Appendix



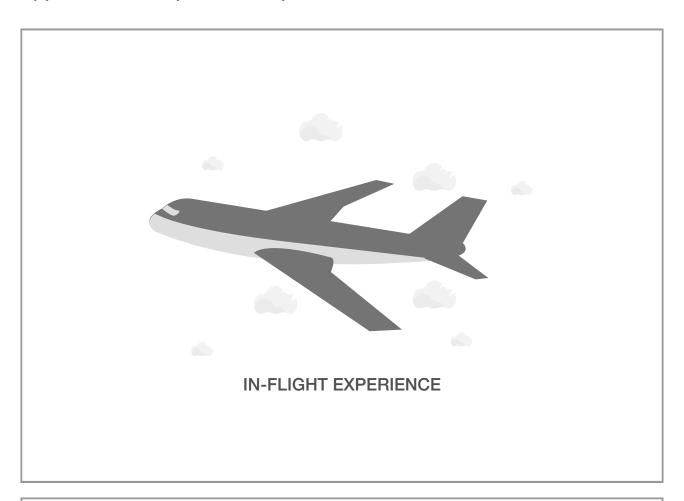
Appendix A. Competitor analysis

Competitor analysis

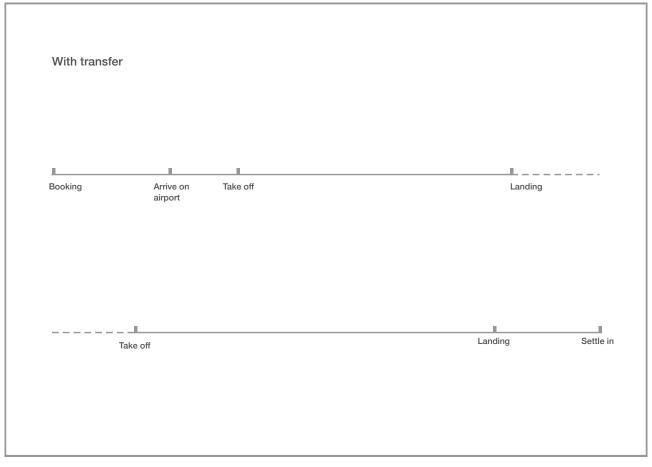
	Advantages	Disadvantages
Delta	+ Movies available on personal devices + Show flight details information and map + Hotel and car rent service + Shopping + Book a flight + Check connected flight service + Miles service	- Mobile version need an app to watch movies
Emirates	+ Free 20 MB (with in 2 hours) + WIFI states	- Only have wifi package purchase function
Air Canada	+ Flight progress bar (time left)+ Book a flight+ Flight status+ 5-days forecast+ Order meals	
Vigin America	+ Flight info + Shopping (link to <u>jet.com)</u>	
Virgin Atlantic	+ Destination info + Airport info + Order drink + Destination guides for inspiration + 5-days forecast + Flight progress bar (time left) + Flight tips + Map	
Southwest	 + free live tv + Paid movie + Game + Flight progress bar (time left) + Destination info + Drinks intro (order not available yet) + Connecting light info + Map + Link to official website (book flight, hotel, car) 	
Alaska	 + Map, flight tracker + Destination info + Internet coverage map + TV/Movies + Personal library + Order food and drink 	- No ancillaries

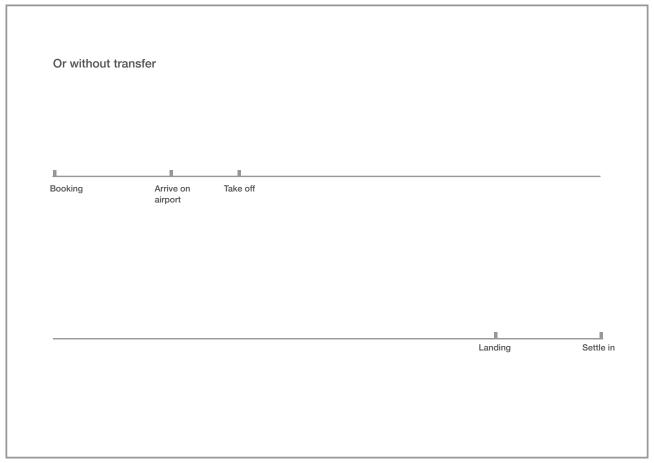
American Airline	 + destination info (weather) + map (flight tracker) + Combine IFE with own device + Book fight + Flight status + Track you bags 	- No gate info - No airport info
Austrian	 + destination info (weather) + Some tips + Austria knowledge + Left time + Travel inspiration + Restaurant info + Seat upgrade (next flight) + Hotel + Rent car 	
Etihad	+ Destination info (weather)+ Left time+ coverage map+ Ebooks	
Jet Airways	+ Left time + Tv + Movie + Games + Music + Destination info (weather) + flight tracker (map) + Edujetter	
Qatar Airways	+ message notification+ 30 min free wifi+ Destination info (weather)	
United	+ Left time + Destination info (weather) + flight tracker (map) + switch devices + Free entertainments (movie) + 3rd party service (car rental, shopping, travel activities)	
ANA	 + flight Info + weather at destination - news + flight time left + destination time - business info + art & culture info - technology info sports info 	

Appendix B. Competitor analysis



We would like to know more about you!	
Age:	
Gender:	
I travel times a year	
For my last [Medium-Haul Flight (3-6 hours) or Long-Haul Flight	
(over 6hours)] experience, I traveled	
from: to:	
with:	
It is a plane. (new, old, big, small, etc.)	F17144
My aims of this trip:(have a meeting, travel, visit	
a friend, etc.)	





Step 2: How is your experience? Could you share some certain moments during this journey? You could use the stickers to indicate your feelings in these moments. Please also write down the reason why you feel this way on that moment. Please mark down some detail moments you have in your flight journey. The tags may help your remember some certain moments Use the sticker to show you feeling at the moment. You can use multiple stokers to illustrate the degree of your feelings. To show you feel good/bad at this certain moment.

Step 3: Best and worst moments After go through your flight journey, could you explain more about the moments you like and dislike the most? Worst I don't like this moment, because I feel...... Best I like this moment, because I feel..... ☐ happy satisfaction ☐ hope ☐ relaxed ☐ dissatisfaction ☐ boredom ☐ shame pride ☐ novelty contempt ☐ fear or: or: What happened? What happened? Why do you feel this way? Why do you feel this way?

Step 4: Your ideal trip experience You have reflected your last experience of flight trip. Could you also image what an ideal flight experience can be? What kind of service you would expect? At which moment and in what way? Please feel free to write or draw down everything in your mind.

Step 5: Some questions

- 1. Have you use WIFI during your flight journey?4. How do you feel about the current onboard portal? (people connect the wifi through the onboard portal website)
- 2. If so, when do your use it? and in which airline's flight?
- 5. Besides purchasing the WIFI service, have you tried other services on the onboard portal? (rent a car, check flight info, etc.)
- 3. And use the WIFI for what purpose?(Check emails, follow news, check social media, entertainment, etc.) with what device?
- 6. If so, when and why did you try them?

Appendix C. Online questionnaire

In-flight experience questionnaire

I would like to know more about your In-flight experience!

In this questionnaire, you will be asked several questions about your long-haul flight experience and

WIFI usage on the plane. Filling in the questionnaire will take 10-15 minutes. The results are anonymous and will be used to support my graduation project. If you have any questions or feedbacks, feel free to send me massages.
Please don't forget to click the submit button.
Thank you very much!
Yu
*Required
1. How old are you? *
2. What is your gender? * Mark only one oval.
Male
Female
Prefer not to answer
3. How often do you travel by plane? * (like 4-5 times a year, etc.)
Skip to question 4.
How is your last long-haul flight experience? Long-haul flight take over 6 hours
4. What was your origin? *

	How did the airplane look like? *
	(Like new, old, big, small, clean, etc.)
	What was your aim of this trip? *
	(Like having a meeting, traveling, visiting a friend, etc.)
Skip	to question 8.
Be	st and worst moments
Be	st and worst moments
Be :	st and worst moments
Be :	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be: Coul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Be Coul For 8.	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most What happened? *
Becoul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most
Becoul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most What happened? * How did you feel at this moment? *
Becoul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most What happened? * How did you feel at this moment? *
Becoul	st and worst moments d you explain more about the moments you like and dislike the most during this in-flight journe r the moment you like the most What happened? * How did you feel at this moment? *

10. Why did you	ı feel this way? *		
or the mo	ment you dislike t	the most	
11. What happe	ned? *		
2. How did vou	ı feel at this moment? *		
=		, shame, contempt, fear, etc.)	
3. Why did vou	ı feel this way? *		
	·		
kip to question 1	14		
in to question i			
VIFI usage)		
	er used WIFI during your f eral in-flight experiences, ins e oval.		
Yes	Skip to question 16.		
O No	Skip to question 15.		

WIFI usage

15.	Why did you not use the WIFI on the plane? (Like it was too expensive, I didn't need it, etc.)	
		-
Stop	o filling out this form.	-
ΝI	FI usage	
16.	When did you use it during the in-flight journ	ey? *
	(Like after take-off, when I got bored, etc.)	
		-
		-
17.	In which airline's flight? *	
		-
		-
		-
		-
18.	For what purpose did you use WIFI during the (Like checking emails, sending messages, follow	=
	etc.)	ing news, checking social media, entertainment
		-
19.	With what device? *	
	(Like iPhone, iPad, etc.)	

Skip to question 20.

Onboard portalWhen people connect the WIFI on the airplane, this onboard portal website will pop out. People can choose different WIFI packages through this website.

20.	Anything you like or dislike	ortal? *
21.	Besides purchasing the WIFI service, have yo	u tried other services on the onboard portal?
	(Like rent a car, check flight info, book tickets for Mark only one oval.	travel activities, etc.)
	Yes Skip to question 22.	
	No Skip to question 25.	
Whe	nboard portal en people connect the WIFI on the airplane, this cose different WIFI packages through this website.	nboard portal website will pop out. People can
22.	What services did you try? * (Like rent a car, check flight info, book tickets for	travel activities, etc.)
23.	When did you try it? *	
	(Like when the plane was about to land, etc.)	
24.	Why did you try it? *	

Stop filling out this form.

Onboard portalWhen people connect the WIFI on the airplane, this onboard portal website will pop out. People can choose different WIFI packages through this website.

25.	Why did you not use the onboard portal for of (Like it was too expensive, I didn't notice them, I didn't notice them.	

Powered by Google Forms

Appendix D. Interview questions

How is your last long-haul flight experience?

What was your origin?

What was your destination?

How did the airplane look like?

What was your aim of this trip?

What is your best moment during this flight trip? How did you feel at this moment? Why did you feel this way?

What is your worst moment during this flight trip? How did you feel at this moment? Why did you feel this way?

Have you ever used WIFI during your flight journey? Why do you try it? How do you feel about it?

How do you feel about the current onboard portal?

Besides purchasing the WIFI service, have you tried other services on the onboard portal? If so, why? If not, why not?

Appendix E. Detailed clusters

Personal travelers

	Pre-fl	ight expe	erience		In-flight experience							
Booking	Preparing	Transporting	Waiting	On boarding	Settle down	Take off	Eating	Toilet	Sleeping	Entertaining	Other activities	La
Late pooking	Difficult Packing tasks	Afraid of missing the flight	Long waiting time	Annoying complexed security check	Store luggage	Concerns of safety	lousy food	Crowed bathroom	Food vs. sleep	Not attractive entertainment on IFE	Narrow space of seat	Ca
25: too late of find hheap inline ckets 210: spent lot of time of find the uitable cket 212: cannot look the heap ticket it is atte	p1: had to arrange baggage for limited space P2: packing was boring and time- consuming, you need to check every thing	P1: in a hurry, and dropped the bag P12: worried if I can get here on time	P1: Too long line P6: 2h waiting	P12: a mess when pass the security check (so complicated and bothering)	P1: late boarding, no space to put baggage on top	P5: feel nervous, since it is the time most accident happens P17: I met heavy turbulence and I am little scared	P3: I don't like the food P20: the food was not tasty	P3: too narrow space, have too wait P8: too many people	P1: cannot sleep immediately because I don't want to miss the meal	P1: nothing interesting on the IFE P15: the movies are outdated	P1: seat is too narrow that I can't pick up my pillow	P44 IFE cld
		Bad feelings of surroundings	Look after the luggage		Problems of search seats		Missing food	Guilty of bothering others	Intermittent sleep	Noisy	stuck in the seat	C
		P2: dirty shuttle bus	P6: tired, too much baggage		P5: find the wrong seat		P6: missed a meal because of sleeping	P10: I want to go to the toilet but my neighbor was sleeping P16: I have to bother my neighbor to get out	P5: always wake up and feel boring	P2: it is too noisy to watch a movie P3: when listen to the music, there is a child crying	P10: I sit for a long time and feel uncomfortable P20: I don't like the feeling of being binded	P5 sir mo ha
		Problems of carrying luggage					Bad trash collecting service	Narrow space of seat	Narrow space of seat	Limited WIFI service	Uncomfortable temperature	
		P8: too much luggage to carry by train. Feel unsafe P12: too much luggage to carry					P11: after I finished my meal, it took too long for flight attendant to take back the waste. I cannot do anything when the tray table is full P14: I waited a long time before flight attendant take back the plate	P13: too limited space, it is hard to get out to the toilet	P7: uncomfortable, cannot have a good position P8: not so comfortable P9: uncomfortable sleep P13: cannot sleep well	P10: only 20M of free wifi	P10: I feel cold since the wind is blowing my head, and flight attendant cannot help	
									Noisy	Inconstant entertainment	cannot clean myself	
									P15: cannot sleep well since a baby was crying	P19: couldn't continue watching the content from the previous flight.	P11: I wanted to wash my face and take a shower, but I cannot	
arly ooking			Happy activities to kill time		Empty space		Little surprise of food		Sleep on multiple seats	Attractive entertainment	Chance to Stretch body and walk around	А
2: online booking arly, cheap ckets 3: 6 onths nead, neap ckets			P5: shopping, feel excited P8: play with my phone		P4: the plane is empty, so I chawed my seat to the middle		P1: happy that I was served with Swiss chocolate(little surprise) P2: Get "football" chocolate because of world cup		P4: lay on 3 seats P10: the seats next to me is empty, so I lay down P6: there was no man sitting next to me, so I lay down	P3: watch a good movie p4: good movie and games P8: it is nice to watch movies and play games P13: happy to use my device to watch movies	P1: stand up and walk around P9: it's nice to stretch my body P10: I fin ally can walk around after landing P11: I need to stretch my body	P1 P2 the P5 P2 arr
Order food eforehand					A little relief		Satisfying meal			Brought own entertainment	Chat with other passengers	Nic
9: ordered good meal					P13: it is nice to finally settle down		P2: nice yo have different kinds of fruit P13: got ice cream as dessert P21: I had some fruit			P13: happy to use my device to watch movies P19: play mobile games P19: use kindle to read books	P7: it is nice to talk with my neighbors, and get new friends P8: I chat with other passengers P22: I had a good conversation with the guy sit next to me	P1 ov thi wi
											Contact friends P1: it is nice to chat with my friend through my	
											phone Nice view	
											P13: saw gorgeous dawn	

		Trans	ferring	Post-flight experience				
ding	Check baggage	Go to the waiting room	Waiting	On boarding	Waiting	Transporting	Settle in	
not use facility	Worry about luggage	Afraid of missing the flight	Bad waiting room		Wait luggage too long	Not easy to find local transport information		
cannot use and toilet ed	P8: I didn't know if I need to collect my luggage	P1: always worry about if I go to the right hall	P3: no seat when I was waiting		P8: spend too much time waiting the luggage	P13: confused to where to go		
cerns of safety		Cannot find the right way to the gate	Bordem					
feel nervous, e it is the time tt accident pens		P2: cannot find the right gate P8: cannot find the gate	P5: get bored later					
		Delay of previous flight	Exhausted					
		P8: the previous plane was delayed, I was in a hurry to go to the gate, I was afraid I can catch the next flight P12: afraid of late because the first flight was delayed	need to wait 3 hours in the					
			Missed the connecting flight					
			P18: missed the connecting flight and have stay in the airport					
tle relief			Happy activities to kill time		Luggage store service		A little relief	
finally arrived finally get e finally : finally red!			P5: have fun shopping, eating and exploring at the beginning		P11: I stored my luggage and have dinner with my friends		P4: pretty smooth P5: home, sweet home	
e view								
c excited to look the city ugh the dow								

Business travelers

	Pre-fl	ight expe	erience		In-flight experience							
Booking	packing	Transporting	Waiting	On boarding	Settle down	Take off	Eating	Toilet	Sleeping	Entertaining	Other activities	Lan
	Difficult Packing tasks	Afraid of missing the flight	Long waiting time (inefficient)	Annoying complexed security check		Concerns of safety	lousy food	Crowed bathroom	Narrow space of seat	Bad control of IFE	Hard to work on the plane	Con
	P12: anxiety about packing, making sure to bring everything needed.	P1:stressful and calculating the time	P3 - waiting time is too long P5: waiting is so inefficient	P12: I hated security check		P15: A little scared because of turbulence when climbing	P5, 6: food can be improved P9: The food was bad	P15: people blocked the aisle. P15: had to wait too long	P9: I hurt my neck no matter what type of pillow I bring P10: suffered from all kind of issues from being squeezed in a seat for 14, 15 hours	P9: The controls on the in flight system were sometimes lousy	P3: privacy was a concern P1: it was unsafe to open laptop p5: made font size small to protect privacy	P15 turb desc
				Cannot choose food when check in				Unclean bathroom	Bad sleeping interfered working	Limited WIFI service		
				P14: vegetarian options not possible				P5: dirty bathroom	P10: this bit (sleep) typically interfered with that (working)	P14: Wifi cannot work		
									Intermittent sleep	Noisy		
									P11: wake up every hour	P14: nearby children were noisy, parents didn't stop them		
			Take a coffee break	Had fast past	Have a good seat		Satisfying meal (fit preference)		Better seat for better sleep for next day's work	Brought own entertainment	Talk to other passengers	Get
			P4: had a cup of nice coffee P1: Relaxed and have coffee	P6: felt the pride of passing it efficiently P2: felt happy to past it quickly, though at the end we take off at the same time	P14: good seat with a lot of leg room in economy class		P14: vegetarian options were available as standard		P11: first class is to get a night's sleep for next days work	P2,6: carried a small book that can fit into the pocket P8: It was nice to use spotify (offline mode) P14: use iPad watch dowloaded netflix	P2: talked to other business traveler is interesting	P7: : to ge
			Found place to work								Enjoyable offline moment	
			P3: good to find a place with not too much people P7: less crowed place P5: found a cozy and private place to work								P7.8: offline moment, more efficient P4: offline moment to relax a little bit	
											Chance to Stretch body and walk around	
											P9: preferred LESS Products and Services and MORE physical space and comfort."	
											WIFI for work	
											P12: got the wifi pass for 2 hours, finished the work I have to get done	
											Work on the plane	Э
											P1: able to work on laptop	
											Nice view	
											P16: take a picture of sunrise	

		Trans	ferring		After	flight exper	ience
ding	Check baggage	Find the right way	Waiting	On boarding	Waiting	Transporting	Settle in
cerns of safety			Waste time		Wait luggage too long	Not easy to find local transport information	
: fear of ulence when cending			P15: don't like wast time on waiting		P13: waited too long	P7: had to figured out the transportation there P13: felt like I am totally a foreigner (look for all the information of the airport.)	
off first			Found place to work				
sit in front seat et off easily			P7: Find a nice quiet place				

When you are traveling as a tourist... *Required

() A

1.	What is your name? *
2.	How old are you? *
3.	Nationality *
4.	I am open to make friends with people I meet in my flight journey. * Mark only one oval.
	Sure Not really
5.	In my flight journey, I would rather * Mark only one oval. Put on the earphone and get less attention.
	Involve in an active atmosphere with people around.
6.	I feel good to start my trip when I have * Mark only one oval.
	A detailed plan about the trip
	A rough structure about the trip
7.	The way I arrange my luggage is more close to * Mark only one oval.

_____ B

8. In air traveling, I think I am more close to * Mark only one oval.
A not that strict person
A strict person
9. Some people sitting around are talking loudly on the flight, I would * Mark only one oval.
Let it be
Try to stop them
10. If we offer a meal you haven't tried before, you would * Mark only one oval.
Try out the new meal
Choose rather "safe" option
11. I prefer a peaceful life, but if I have to choose, I would rather * Mark only one oval.
Have challenges every single day
Repeat my daily routine
12. In my flight journey, I tend to * Mark only one oval.
Worry about small stuff
Feel confident
13. When the flight is in a turbulence, your mindset is more close to * Mark only one oval.
I am afraid of crashing
I wonder how the pilot flies

For question 4, 5. People who choose "Sure" and "Involve in an active atmosphere" will be recognized as high in extraversion. People who choose "Not really" and "Put on the earphone" will be recognized as low in extraversion. People who did not give a consistent answers will be identified as a semi-extraverted person.

For question 6,7. People who choose "A detailed plan about the trip" and "Organize" will be recognized as high in conscientiousness. People who choose "A rough structure about the trip" and "Mess" will be recognized as low in conscientiousness. People who did not give a consistent answers will be identified as a semi-conscientiousness person.

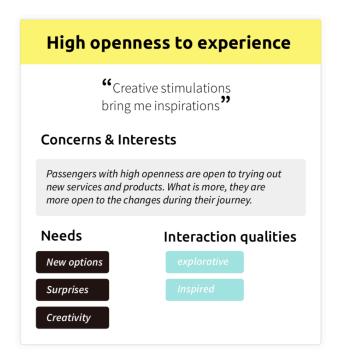
For question 8,9. People who choose "A not that strict person" and "Let it be" will be recognized as high in agreeableness. People who choose "A strict person" and "Try to stop them" will be recognized as low in agreeableness. People who did not give a consistent answers will be identified as a semi- agreeableness person.

For question 10, 11. People who choose "Try out the new meal" and "having challenges every single day"

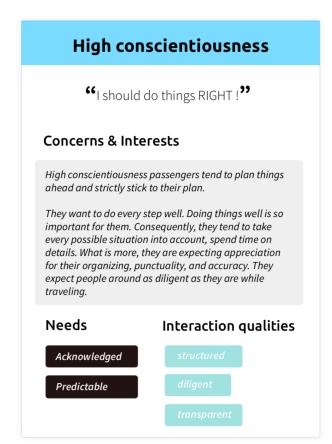
will be recognized as high in openness. People who choose "Choose a rather safe option" and "repeating my daily routine" will be recognized as low in agreeableness. People who did not give a consistent answers will be identified as a semi- openness person.

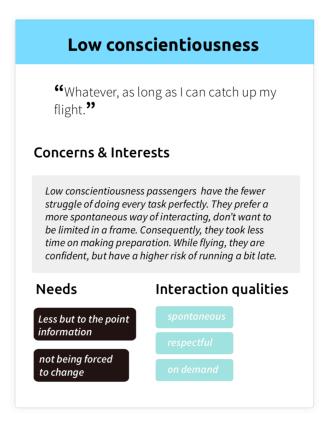
For question 12, 13. People who choose "Worried about things" and "I am afraid of crashing" will be recognized as high in neuroticism. People who choose "Feel confident" and "Wonder how the pilot flies" will be recognized as low in neuroticism. People who did not give a consistent answers will be identified as a semi- neuroticism person.

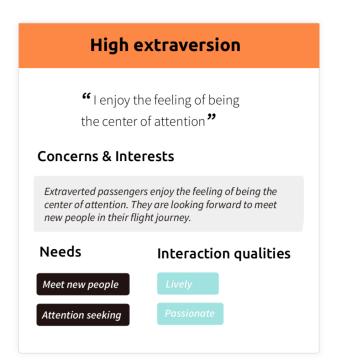
Appendix G. The principle of personality-driven design

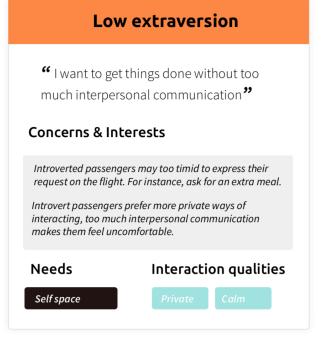


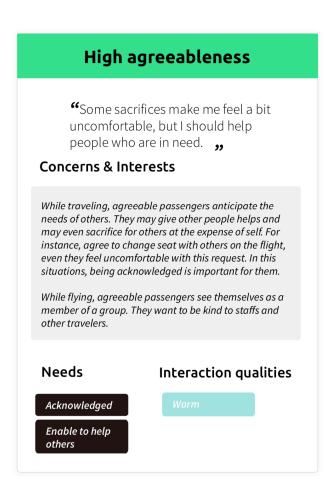


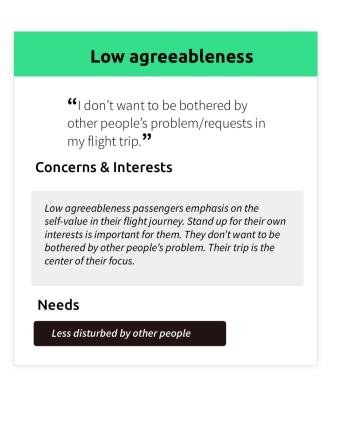


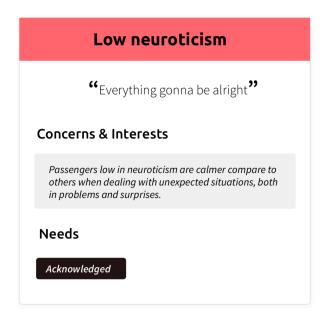


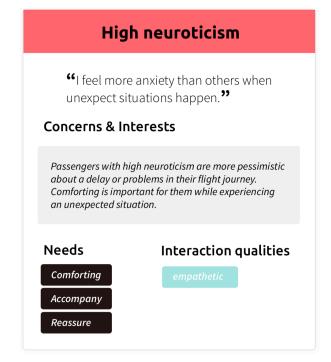












Appendix H. Questionnaire for acceptance of ancillaries and the results

How much are you willing to try these services on the airplane?

When you were traveling as a tourist, and It is a long-haul flight (over 6 hours). All these services might be provided via Onboard Portal website. On this site, you are able to connect to WIFI and check other additional services.

In this questionnaire, there are 6 sections and you will be asked 15 questions about services provided on the plane. Filling in the questionnaire will take about 15 minutes. The results are anonymous and will be used to support my graduation project. If you have any questions or feedbacks, feel free to send me massages.

Please don't forget to click the submit button.

Thank you very much for your participating!

Yu

*Required

For the transfer experience

The aim of these services is helping you enjoy your transfer time

Please fill this section only when you have transfer experiences

	1	2	3	4	5	
really						I want it

3.	When I am on the plane, I would like to check the restaurants on my transfer airport
	Mark only one oval.

	1	2	3	4	5	
Not really						I want it

If possible,													
When I am better envir Mark only o	ronment				ay for th	ie lounge	on	the t	tran	ısfeı	r air _l	port to	have
	1	2	3	4	5								
Not really						I want it	- :						
If possible,	nloseo	ovnlain	why ye	su think	50								
ii possible,	piease	expiain	wny yc	ou mink	SO								
or the po					tranence	artation on	VOL	r do	eting	ation	n		
					e transpo	ortation on	you	r de:	stina	atior	n		
aim of these	service	s is help	oing you	arrange	·		•	r de:	stina	atior	n		
aim of these	service	s is help	oing you	arrange	·		•	r de:	stina	ation	n		
aim of these	service	s is help	oing you	arrange	·		•	r de:	stina	ation	n		
aim of these	e service on the page on the page on the oval.	s is help	oing you	arrange	ent a cai		rip*	r de:	stina	ation	n		
When I am Mark only of	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	atior	n		
when I am Mark only on	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	ation	n		
when I am Mark only on	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	ation	n		
when I am Mark only on	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r des	stina	ation	n		
when I am Mark only on	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	ation	n		
When I am Mark only of	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	ation	n		
When I am Mark only of	on the pane oval.	s is help	would I	ike to re	5	for my tr	rip*	r de:	stina	ation	n		
When I am Mark only of	on the pne oval. 1 please	s is help plane, I 2 explain	would I 3 why you	ike to re	so	I want it	rip*		stina	ation	n		
When I am Mark only of Not really If possible,	on the property of the property of the property on the property on the property of the propert	s is help plane, I 2 explain	would I 3 why you	ike to re	so	I want it	rip*		stina	ation	n		
When I am Mark only of Not really If possible,	on the property of the property of the property on the property on the property of the propert	s is help plane, I 2 explain	would I 3 why you	ike to re	so	I want it	rip*		stina	ation	n		

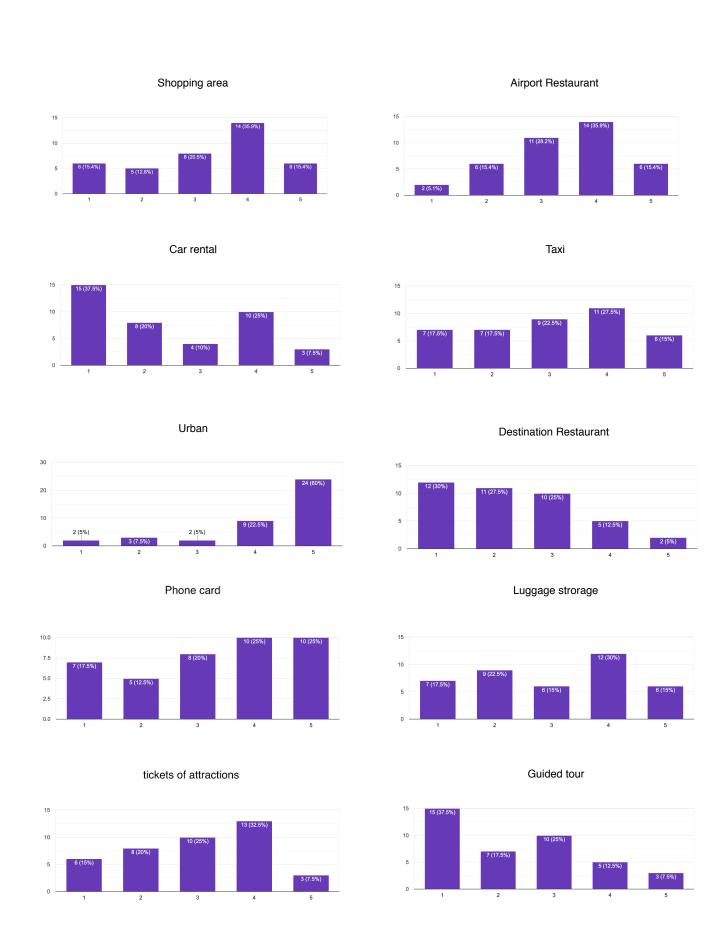
lf possible,	please	explain	why yo	ou think	so				
When I am my trip *	on the _l	plane, I	would l	ike to b	uy inter	city transpo	rtation	(bus, train) tio	kets
Mark only o	ne oval.								
	1	2	3	4	5				
Not really						I want it			
lf possible,	please	explain	why yo	ou think	so				
day tickets Mark only o	for my	trip *	3		5	·		metro) tickets	
Not really		_				Lucant it			
Not really						I want it			
If possible,	please	explain	why yo	ou think	so				
r the po	st₌fli¢	aht ex	kneri	ence					
aim of these					own and	have good	meals		
When I am Mark only o			would I	ike to b	ook res	taurants on	my des	tination *	
	1	2	3	4	5				
Not really	1	2	3	4	5	I want it			

,	piease	ехріаііі	why yo	ou tnink	so				
. When I am of Mark only of	-		would l	ike to b	ook hote	els on my	destina	tion *	
	1	2	3	4	5				
Not really						I want it			
If possible,	please	explain	why yo	ou think	so				
. When I am	on the i	olane, I	would l	ike to b	uy a loc	al phone c	ard wit	h data	package :
. When I am o trip * Mark only or			would l		uy a loc	al phone c	ard wit	h data	package [,]
trip *	ne oval.					al phone c	ard wit	h data	package [;]
trip * Mark only or Not really	1	2	3	4	5		ard wit	h data	package [,]
Mark only or	1	2	3	4	5		ard wit	h data	package [;]
trip * Mark only or Not really	please	2 explain	3 why yo	4 Du think	5 so	I want it			
Not really Not really Not really . When I am attractions	please	2 explain	why yo	4 Du think	5 so	I want it			

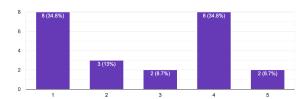
the po											
gifts or po	on the postcards	plane, l *				e post offi	ce/de	livery	/ serv	ice fo	r sending
Aark only (one ovai. 1	2	3	4	5						
Not really						I want it					
			would l	ike to b	ook tick	ets of attr	actio	ns on	ı my d	lestin	ation *
					ook tick	ets of attr	ractio	ns on	ı my c	lestin	ation *
Mark only (one oval.					ets of attr		ns on	ı my c	lestin	ation *
Mark only o	one oval.	2	3	4	5			ns on	ı my c	lestin	ation *
Mark only o	one oval. 1 p, please	explain	3 why yo	4 Du think	5 so	I want it	hoste	ed by	local		
When I am Mark only of Not really If possible When I am experience Mark only of	one oval. 1 e, please n on the pelocal cr	explain	3 why yo	4 Du think	5 so	I want it	hoste	ed by	local		

our recom	mendatio	ns				
Our recom			plane, feel f	ee to write	them dow	vn.
9. If you have m		ervices on the		ree to write	them dow	vn.
9. If you have m	ore wanted se	ervices on the		ree to write	them dow	vn.
9. If you have m	ore wanted se	ervices on the		ree to write	them dow	vn.

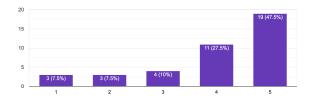
The results



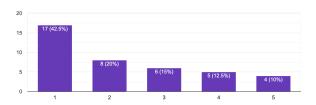
Lounge



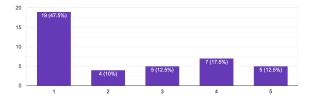
Intercity



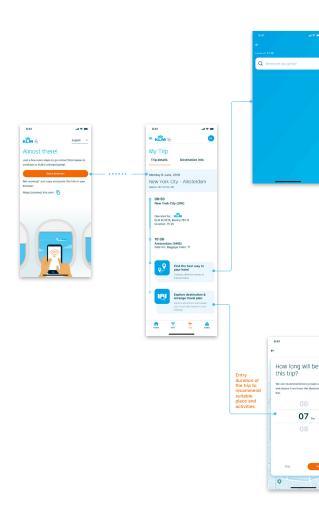
Hotel

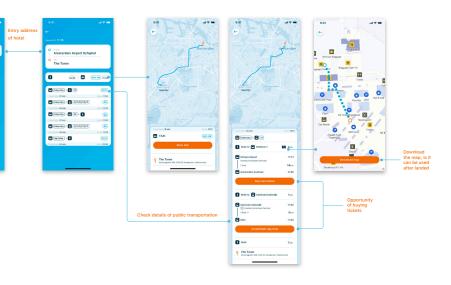


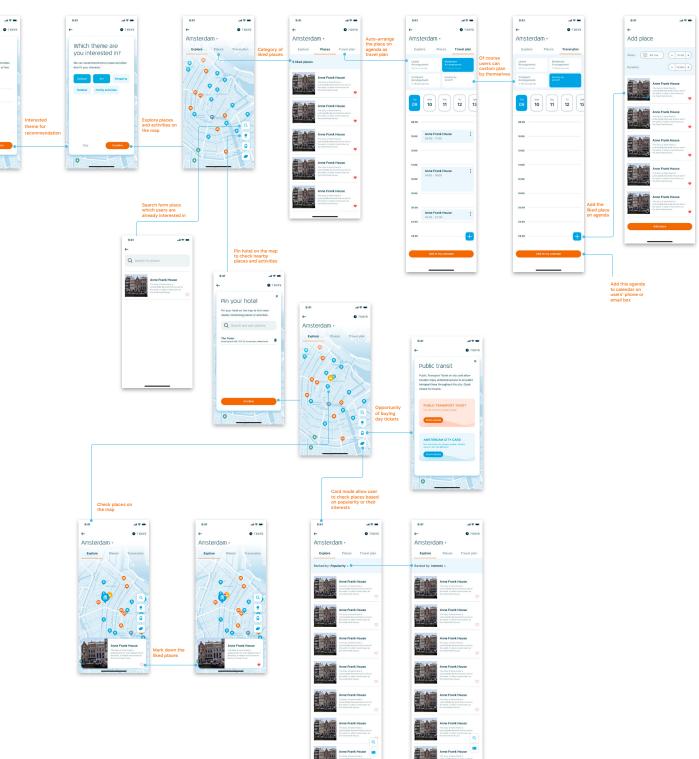
Post office



Appendix I. High fidelity Concept

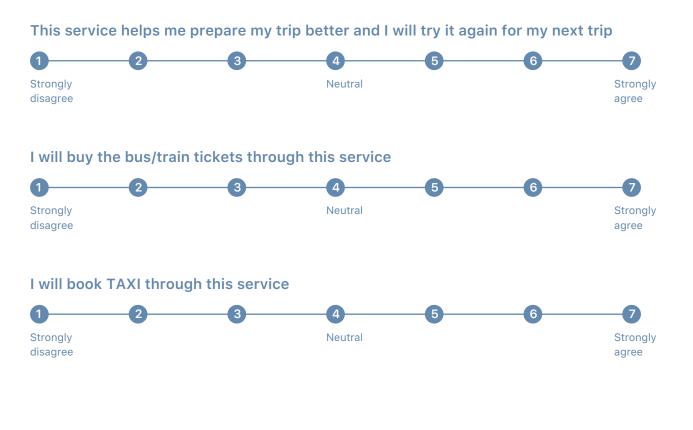






Appendix J. Questionnaire for customer evaluation







The function of searching for fun place and activities is interesting and helpful for my trip



"Pin hotel" function is relevant to the trip and useful for me to explore my destination



"Recommendations based on interests" is helpful for me to explore my destination



The function of booking activity/entrance ticket is convenient and helpful for my travel preparatio



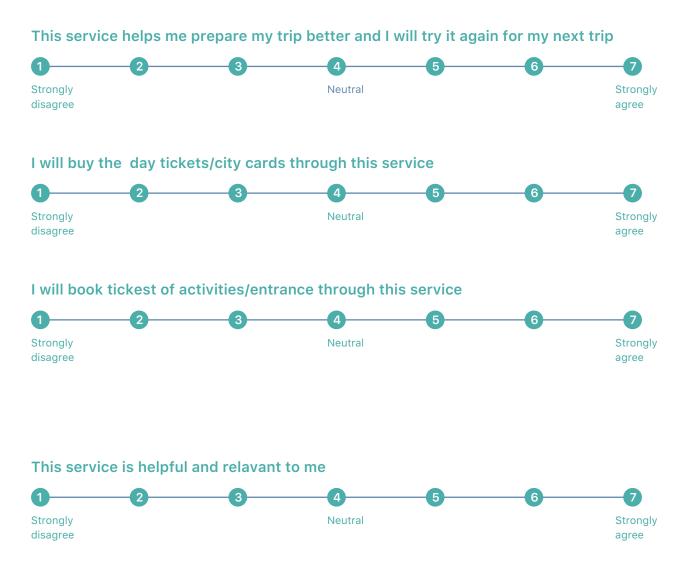
The function of buying day tickets/city cards is convenient and helpful for my travel preparation.



Arrange my travel plan is fun and give me a sense of achievement





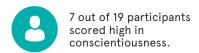


Appendix K. Questionnaire to measure conscientiousness

When you are traveling as a tourist... *Required

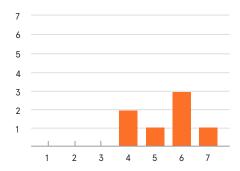
1. How old are you?	*							
2. Nationality *								
3. I feel good to start Mark only one oval.		when I	have	*				
A detailed pl	an abou	t the trip						
A rough stru	cture ab	out the t	rip					
4. The way I arrange <i>Mark only one oval.</i>		age is r	nore cl	ose to	*			
A 5. I see myself as del Mark only one oval.		e, self-c	lisciplin	ned. *	В			
	1	2	3	4	5	6	7	
Disagree strongly								Agree strongly
6. I see myself as dis Mark only one oval.		ed, care	eless. *					
	1	2	3	4	5	6	7	
Disagree strongly								Agree strongly

Appendix L. Test result of customer evaluation

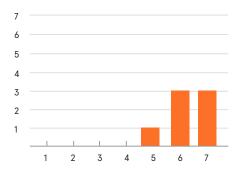


Result of first step transportation guidance function

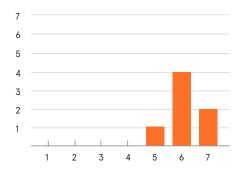
This service helps me prepare my trip better and I will try it again for my next trip.



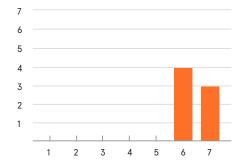
The booking bus/train tickets function is helpful for my travel preparation.



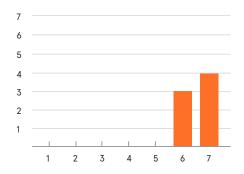
This service is convenient for my trip

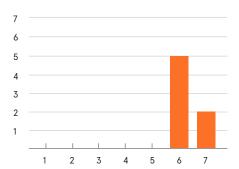


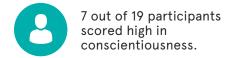
The function of guiding me to the right platform is helpful and reduce the hassle.



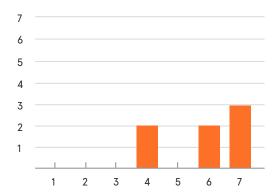
The comparing function can help me find better mode of transportation to go to my residence



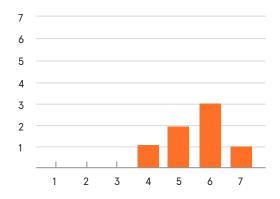




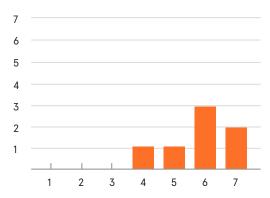
I will buy the bus/train tickets through this service

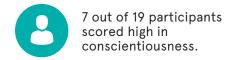


I will book TAXI through this service

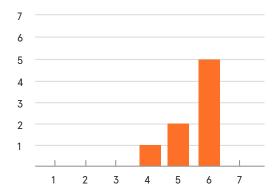


This service is helpful and relevant to me

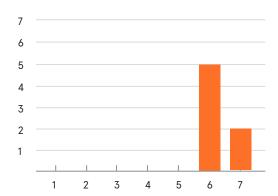




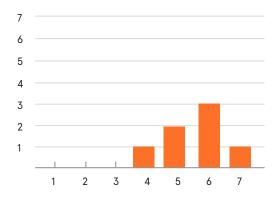
This service helps me prepare my trip better and I will try it again for my next trip



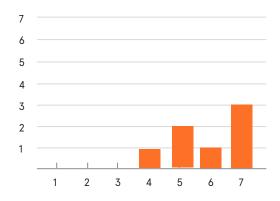
"Recommendations based on interests" is helpful for me to explore my destination



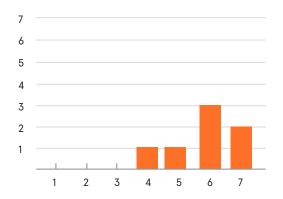
The function of searching for fun place and activities is interesting and helpful for my trip



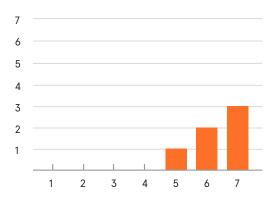
The function of booking activity/entrance ticket is convenient and helpful for my travel preparation.

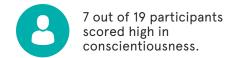


"Pin hotel" function is relevant to the trip and useful for me to explore my destination

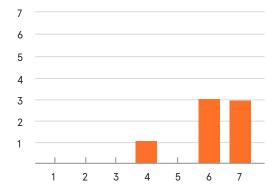


The function of buying day tickets/city cards is convenient and helpful for my travel preparation.

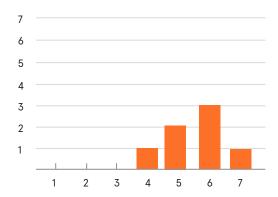




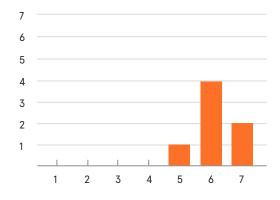
Arrange my travel plan is fun and give me a sense of achievement



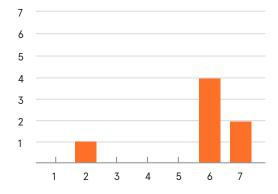
I will book tickets of activities/entrance through this service



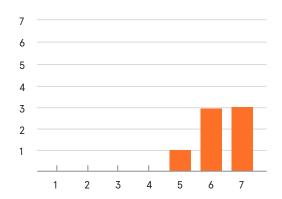
This function make Onboard portal more interesting

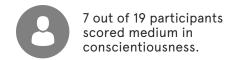


This service is helpful and relevant to me

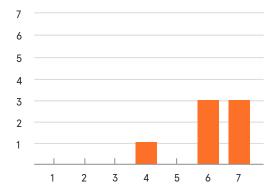


I will buy the day tickets/city cards through this service

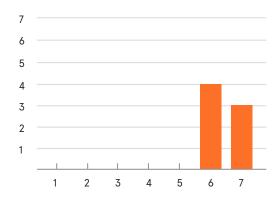




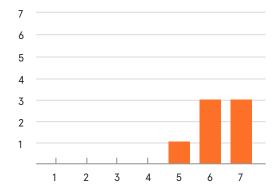
This service helps me prepare my trip better and I will try it again for my next trip.



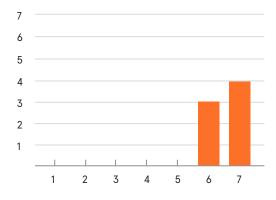
The booking bus/train tickets function is helpful for my travel preparation.



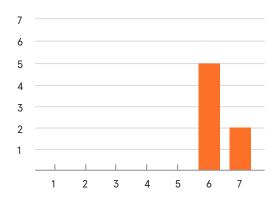
This service is convenient for my trip

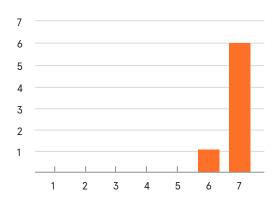


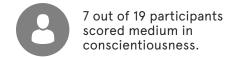
The function of guiding me to the right platform is helpful and reduce the hassle.



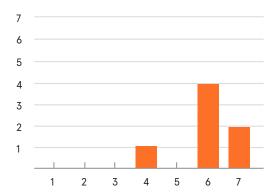
The comparing function can help me find better mode of transportation to go to my residence



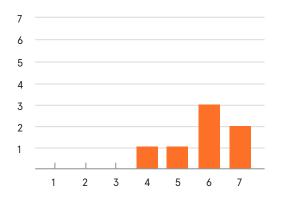




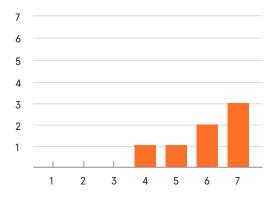
I will buy the bus/train tickets through this service

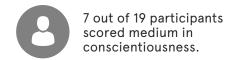


I will book TAXI through this service

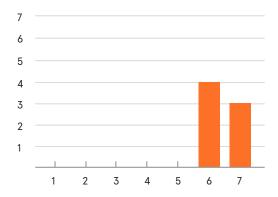


This service is helpful and relevant to me

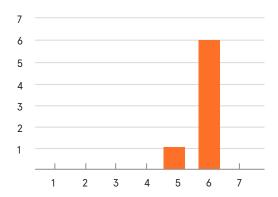




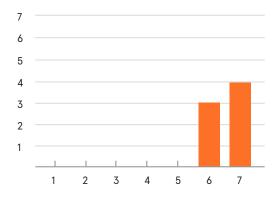
This service helps me prepare my trip better and I will try it again for my next trip



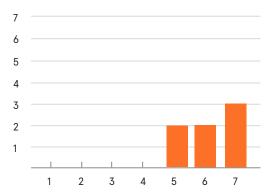
"Recommendations based on interests" is helpful for me to explore my destination



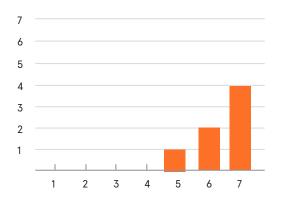
The function of searching for fun place and activities is interesting and helpful for my trip



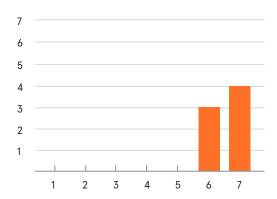
The function of booking activity/entrance ticket is convenient and helpful for my travel preparation.

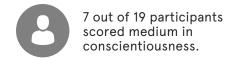


"Pin hotel" function is relevant to the trip and useful for me to explore my destination

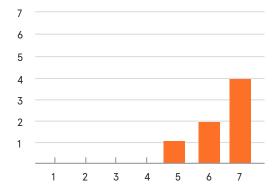


The function of buying day tickets/city cards is convenient and helpful for my travel preparation.

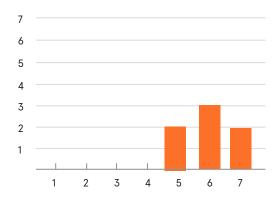




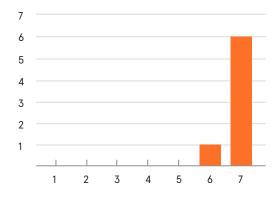
Arrange my travel plan is fun and give me a sense of achievement



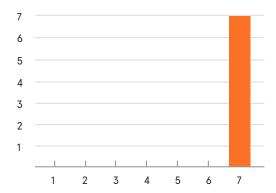
I will book tickets of activities/entrance through this service



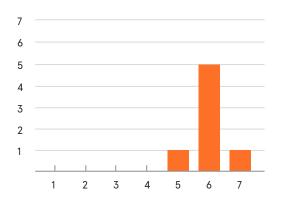
This function make Onboard portal more interesting

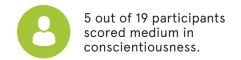


This service is helpful and relevant to me

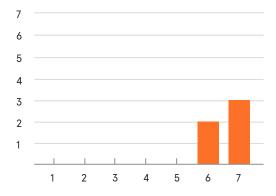


I will buy the day tickets/city cards through this service

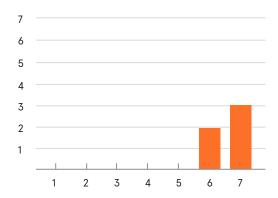




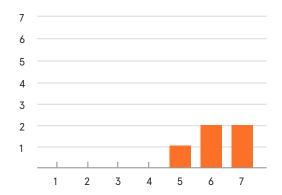
This service helps me prepare my trip better and I will try it again for my next trip.



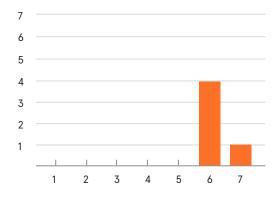
The booking bus/train tickets function is helpful for my travel preparation.



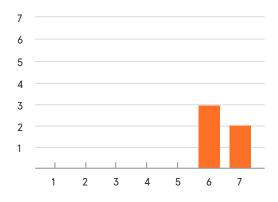
This service is convenient for my trip

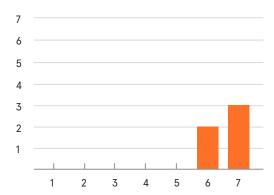


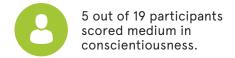
The function of guiding me to the right platform is helpful and reduce the hassle.



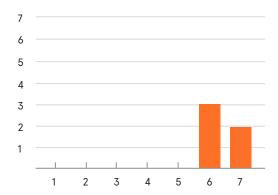
The comparing function can help me find better mode of transportation to go to my residence



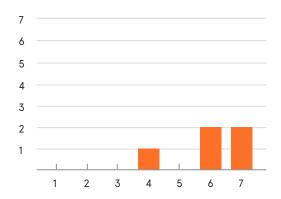




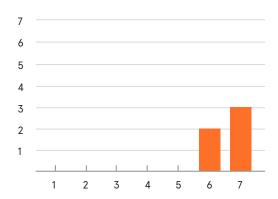
I will buy the bus/train tickets through this service

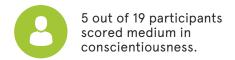


I will book TAXI through this service

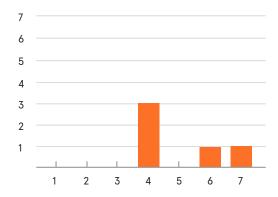


This service is helpful and relevant to me

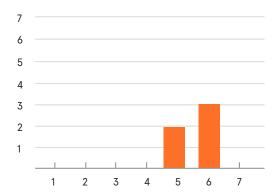




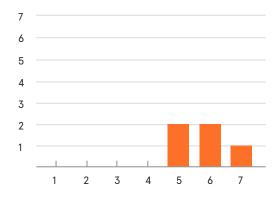
This service helps me prepare my trip better and I will try it again for my next trip



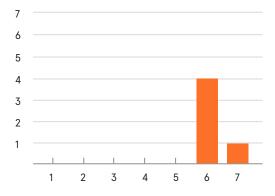
"Recommendations based on interests" is helpful for me to explore my destination



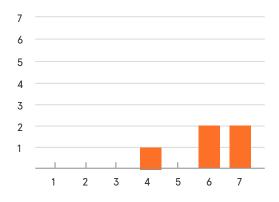
The function of searching for fun place and activities is interesting and helpful for my trip



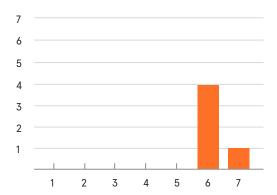
The function of booking activity/entrance ticket is convenient and helpful for my travel preparation.

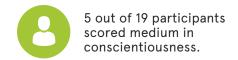


"Pin hotel" function is relevant to the trip and useful for me to explore my destination

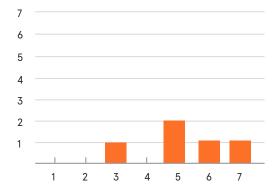


The function of buying day tickets/city cards is convenient and helpful for my travel preparation.

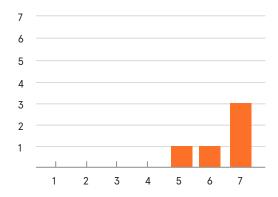




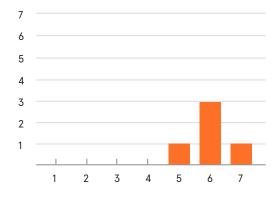
Arrange my travel plan is fun and give me a sense of achievement



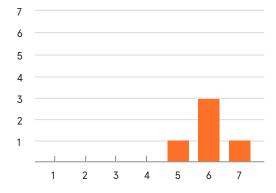
I will book tickets of activities/entrance through this service



This function make Onboard portal more interesting



This service is helpful and relevant to me



I will buy the day tickets/city cards through this service

