

PROJECT REPORT

Surfing-couch



Rosalie Peree (258377) Grégoire Cartier (258378)

Supervisor & Academic advisor: Kasper & Jakob

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- 2.2 Problem Description
- 2.3 Limitations and Delimitations



3 Methods

The following table presents our choice of model and methods for the problems that we listed in our project description (see Appendix #1):

Why	Which
Why study this problem	Which models/theories did
	you use to solve the problem?
How to make the application	We have to pay attention to
_	all the following problems to
users?	be able to develop an appli-
	cation that will address all of
	them as good as possible.
	We conducted a survey via
	Google Forms to gather peo-
<u> </u>	ple's opinion on that subject.
-	
_	
	We conducted a survey via
	Google Forms to gather po-
·	tential user's opinion on that
Ţ.	subject.
~	We have to set up a way
_	for the users to enter their
like application. We have to	city/location and look for
localize the user to be able	hosts in cities they want to
to provide a service for them	visit.
in a specific area.	
Users don't want their per-	No personal data is displayed
	on the application for users
to strangers.	to see. We implemented an
	internal messaging system so
	people can communicate di-
If you have to best so	rectly on the application.
-	We implemented a system of
- ·	user reviews - with grades - so people can report how
	they experience was with
· -	that specific user - hosts and
	_
haved correctly or not before	travelers.
	How to make the application interesting for our potential users? As our application is mainly targeted to travelers, it is interesting to know what is important for them, so that we cant try to implement those things in the final application. As we want hosts to offer services to travelers, we have to meet with what they want to encourage them to do so. This problem is the main problem for a couch-surfing-like application. We have to localize the user to be able to provide a service for them in a specific area. Users don't want their personal data to be forwarded



What	Why	Which
Problem	Why study this problem	Which models/theories did
		you use to solve the prob- lem?
How can we define the point-value of the provided services?	As the system is based on a reward, all services must have a fixed value.	We defined a value for each service - sleep, shower and laundry. The points are given to the host once the booking is completed.
How can we exchange the points for gifts?	The system is based on rewarding hosts with gifts for providing a service.	We set up an online shop where users can exchange their points for goods.
How will the user interface be implemented?	The user interface has to be easy to get and use.	The interface will be an Android application.
What kind of tool will be used for this implementation?	The tools used to develop can make the process of developing the application more or less easy.	We decided to develop the application using Android Studio, as it is the platform we are both most familiar with.
How will the interface be user-friendly?	The interface has to be easy to use and understand for any user.	The interface is simple, with buttons and labels that are easy to understand.
How is the social interaction going to take place?	The point of the assignment is to enable a social interaction.	In our application, the social interaction will take place in the form of direct messaging between two users, a common chat for all the users and the possibility of reviewing experience with other users.
What kind of database will be implemented?	We need a database that is free and easy to integrate in Android.	The chosen database is Firebase for our project.



4 Requirements

- 4.1 List of Requirements
 - 4.1.1 Functional Requirements
 - 4.1.2 Non-Functional Requirements



5 Analysis



6 Design

- **6.1** Architecture
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10 Conclusion