Requirements and Analysis Document

for NNN

Version:
Date
Author
This version overrides all previous versions.

1 Introduction

The Mobile version of the two main sites for acquiring student accommodations in Gothenburg isn't what they should be and people need to browse multiple sites to do the same thing. Most students tend to do the initial browsing for accommodations on their phones, which is why the lacking mobile implementation of these websites cause frustration among its users.
The solution to this issue is simply to gather both sites in one app, meaning it's optimized for use on the go. Students will no longer need to struggle with poorly implemented websites and the common mess of tabs. Since the search for a place to live is something you ideally don't want to do, you wouldn't mind doing it at times where you would spend your time doing basically nothing. Like on your way home after class or on the way to some of your activities. The application is therefore built to suit your mobile needs and aim to be as little in your way as possible. With features like notifications when accommodations that suit your preferences are published and powerful search tools to let you choose what's important.

Background explaining why this application is needed (besides mandatory in course). What's the problem addressed (use imagination)? What will it do? Who will benefit/use from this application? In what situation will the application be used? Define the application. General characteristics of application.

1.2 Definitions, acronyms and abbreviations

Create word list to avoid confusion.

2 Requirements

2.1 User interface

Sketches, drawings and explanations of the application user interface (possible navigation).

2.2 Functional requirements

The user will be able to search for student accommodations using different search criteria and select the accommodations that look promising for more details.
On the detailed page the user can see all the details about the accommodations such as the floor plan and description, as well as more images. Here the user can swipe left or right to see other accommodations from their search or do a couple of other actions. They can save the accommodations for later, meaning that they can find it in their favorites section at the bottom of the screen. They can apply for it, if they do they will be sent to the respective website where they apply as usual, or they can press the X in the top left corner to return to their search results. If they want to continue browsing for accommodations they can use the common left or right swipe to look at other accommodations.
There's another section named watchlist where you can view your already created tracks and create new. If the user approves they can be notified when an accommodation that suit their preferences is available. These can also be accessed from this page
The last section in the navigation bar is the settings where the user will be able save their credentials for the different websites for student accommodations and handle how notifications are handled.

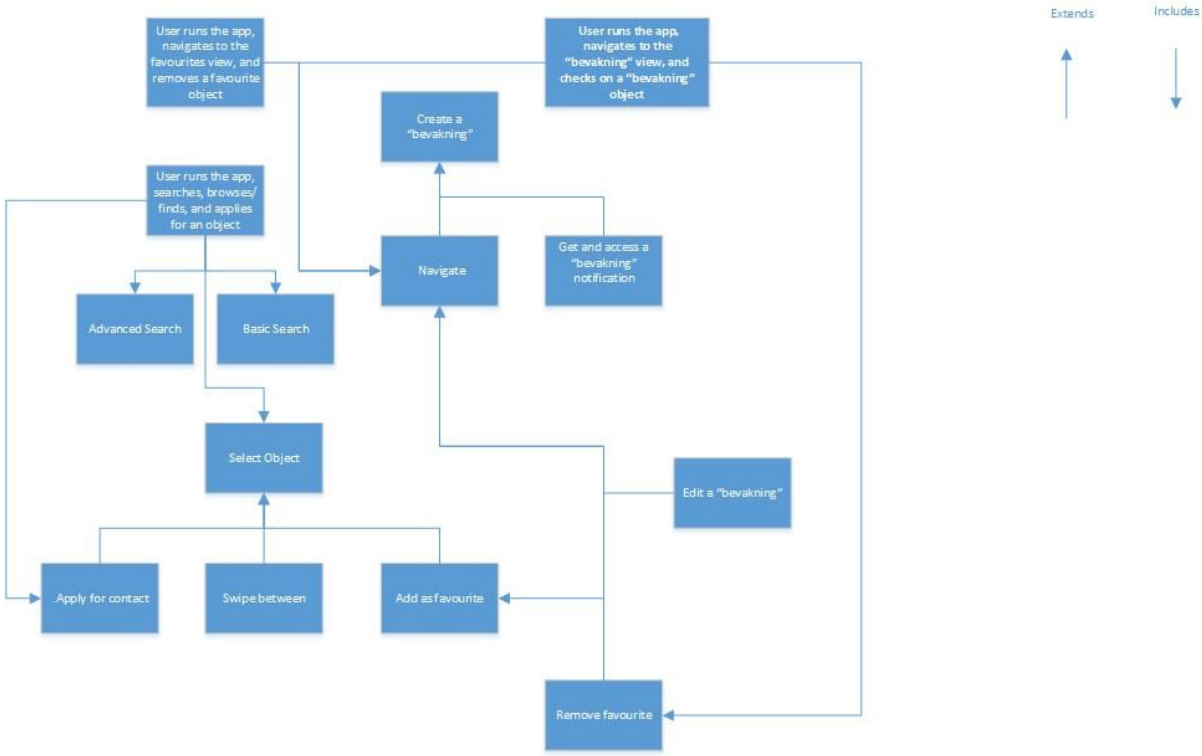
What will the user be able to do ? Write a list of use case names (id's) in the language of the customer. The specific flows for each use case is recorded below.
Specify a use cases in priority order.

2.3 Non-functional requirements

Any special considerations besides functionality? Usability, reliability, performance, supportability, legal, implementation, …
NOTE: Testability mandatory (must have tests)

Our app has to be testable, easy to use, reliable and fast. Performance is extra important since it's a mobile app and mobile users are know to be inpatient.
It has to follow the policies of the sites we're gathering data from as well as any laws and rules regarding data handling.

3 Use cases



3.1 Use case listing

Use case texts (using the use case template)

4 Domain model

An UML class diagram.

4.1 Class responsibilities

Explanation of responsibilities of classes in diagram

5 References