Project Backlog

All information is extracted straight from case study and important bits highlighted. We need to now make these more concise and shorter. Then turn into Gherkin Scenario. This is just a draft and format might need to be changed.

**Project Goal:**

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**System Features:**

Users

**Searchers**

Searchers can be students or working professionals who are searching for suitable accommodation.

System Features

***Basic Search***

Searchers can search by start and end date, price range and postcode for their accommodation.

***Advance Search***

Other search preferences such as smoking/non-smoking, undergraduate/postgraduate, quiet/lively atmosphere, room type etc will be required to help facilitate more detailed searchers.

***Map***

Which will generate a graphical representation of their results on a map, along with generated distances to work and university. Public transport and local amenities should also be illustrated on the map to provide the user with more concise information about the area. The information can be rendered on an OpenStreetMap customized for the system and results shown.

***Buddy Feature***

Searchers have the option to ‘buddy-up’ with other searchers on the site. For this, a buddy-up button should be implemented which will alert users that someone is interested in buddying up with them. They will initially select that they are interested in the potential of buddying up when setting up their account. Searchers must also be able to message one-another. Buddies will be suggested to one another depending on their requirements and preferences.

***Express Interest/LIKE feature***

Searchers should be able to express an interest in a property without messaging a landlord directly. For this, an ‘express interest’ button must be implemented when a Searcher is viewing a property. This will alert the landlord that a Searcher is interested in their property.

***Activity Wall***

Users can view statistics of their account such as profile views, property views, properties ‘looked at’ history etc.

***GPS***

The web site must implement GPS tracking which helps a searcher to:

* Find the location of a property via a planned route in real-time while the app displays turn-by-turn directions.
* Display nearby properties within an adjustable radius which match their search requirements, as well as their distances from an entered university or workplace.
* Display all local amenities and transport links on the map in the local area.
* Generate statistics such as popular houses (most looked at), popular areas and whether an area is mainly students or working professionals.
* Express interest quickly by clicking on a property on the map, viewing the property page and clicking “express interest”.
* Switch views on the map between long-term stay and short-term stay properties.

**Landlords**

Landlords will advertise their properties on the site.

System Features

***Add property***

Landlords must be able to upload both information and images about their property. Information includes: Price per month/week, number of rooms, room dimensions, floor plan, dates available, address, information about local area, etc.

**Administrators**

Administrators will be able to monitor the content across the software system, receive reports from Searchers and Landlords and will be able to delete/suspend accounts.

System Features

***Report Notification and Suspending Accounts***

Administrators must be able to receive ‘report’ notifications from Searchers and Landlords. They have the ability to message all user accounts as well as suspend or delete accounts. Administrators can expire accounts after a predetermined time (one month etc.)

***Website Statistics***

Administrators can view confidential statistics such as overall users on the site, active users, etc.

**All Users**

***Register and Login***

All user accounts must be able to register and have security measures in place, i.e. login, password encryption, password recovery etc.

***Messaging***

All user accounts must have their own individual inboxes displaying received mail, sent mail and notifications through button-presses (buddy-up, interest in property, report).

The software system should use information provided by users:

* On the amount of time taken between to get between houses and university/workplaces.
* Inject information into maps such as local amenities and facilities
* Give feedback/ratings on both accommodation and amenities.