

Software engineering lab

FS22 - Group 21

Milestone 1

Jordi Küffer	20-714-051	jordi.kueffer@uzh.ch
Jasmin Hochuli	20-705-711	jasmin.hochuli@uzh.ch
Christoph Bachmann	20-701-090	christoph.bachmann3@uzh.ch
Lars Bösch	18-921-981	lars.boesch@uzh.ch
Luisa Stückelberger	20-711-421	luisa.stueckelberger@uzh.ch



roomeight

Project Description

roomeight - find a new wave of living

roomeight is a mobile application platform, where room seekers can easily find the flat of their dreams and the community can match with a person fitting perfectly in their group. Flat searching is made a lot easier, funnier and more exciting with roomeight. Once a user has set up a profile, one is able to set its own preferences, which automatically filters the discover page of the different available rooms. On the other side, each member of a shared apartment can also set a profile and discover the people that are interested in joining them. The whole process relies on connecting the best fitting person to the most suiting flat. Both sides are able to approve or dislike a person or flat. Once both parties have committed to a like, they can get in touch through a chat to get to know each other better and talk about the further steps. Since both sides have set up a profile with further information, the process of getting to know each other is accelerated and simplified.

User Stories

Time estimates are given in respect to the fibonacci sequence. See www.productplan.com/glossary/fibonacci-agile-estimation/ for reference.

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2	○ Secure Authentication
3	○ Login / Logout
4	○ Display Preview of Public Profile
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6	○ Customise Public Person Profile
7	○ Create flat profile
8	○ Customize Public Flat Profile
9	○ Discover Page
10	○ Navigation between Profile / Discover / Matches
11	○ Filter on Profiles to Discover
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13	○ Customize Profile: Search Criteria of a Flat
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17	○ Chat

Create Profile

Edit	Assignees
<p>1. Role-Goal-Benefit: As A new User of the Application , I want to be able to create a profile in the app , in order to search for a flatmate or find a flat</p> <p>2. Limitation: This means, a profile can be created, and personal data can be recorded, such that the app can be used</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• I should be able to input:<ul style="list-style-type: none">◦ Name◦ (Username)◦ Email◦ Phone (optional)◦ Profile picture (optional)◦ Birthday◦ Password◦ Gender (m, f, other)• Afterwards I should be logged in and my profile should be registered. <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Backend: User registration <p>5. Effort estimate: 13</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p> <p>🔄 Convert to issue</p> <p>📁 Archive</p> <p>🗑 Delete</p>

Secure Authentication

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user , I want to be able to have my data secured and make all the changes to the app securely , for privacy</p> <p>2. Limitation: This means, the password should be encrypted with a state of the art technology and every change to the app should only be possible when I'm logged in and protected from man-in-the-middle-attacks</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• password encryption• token authentication (Frontend and Backend)• https ? <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• mainly Backend <p>5. Effort estimate: 8</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Login / Logout

Edit		Assignees
<p>1. Role-Goal-Benefit: As A user , I want to be able to log out and log back in , for privacy or in order to be able to switch between different profiles</p> <p>2. Limitation: This means, after registration / creation of the profile, I want to be logged in. There should be a possibility to logout afterwards. When starting the application, I should be able to choose between login or registration / profile creation.</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• There is a logout button• There is a login page from which the registration page can be reached• After logging in, I have access to all the functionality of the app according to my profile <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• mainly Frontend• maybe backend, but secure authentication is a different story! <p>5. Effort estimate: 5</p>		<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Display Preview of Public Profile

Edit		Assignees
<p>1. Role-Goal-Benefit: As a registered User , I want to be able to view my profile as it is displayed to others , in order to know how I present myself</p> <p>2. Limitation: This means, after customizing my profile after creation, I want to be able to view it (a persistent save of the data is needed).</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• There should be a preview page that shows all the public data in my profile <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Backend: API for profile display <p>5. Effort estimate: 8</p>		<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Set User status

Edit	Assignees
<p>1. Role-Goal-Benefit: As A registered User , I want to be able to set the status of my profile , in order to be part of a flat , look for a flat or be inactive</p> <p>2. Limitation: This means, I want to be able to set my status to be part of the right category when using the app</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• After I changed/set my status to:<ul style="list-style-type: none">◦ looking for a flat I will be able to change my profile accordingly and am able to look for potential flats◦ part of a flat I will be able to create/access or Link a flat profile to my user◦ Inactive It will hide my flat profile or <i>looking for flat</i> profile attributes until later reactivation <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Frontend: API for update <p>5. Effort estimate: 5</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Customise Public Person Profile

Edit	Assignees
<p>1. Role-Goal-Benefit: As A User with the status looking for flat , I want to be able to customise my profile in the app , in order to provide accurate information for flats so that they want me as their new flatmate</p> <p>2. Limitation: This means, I want to be able to enter details about myself and optionally an application message.</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• After creation of the profile, I want to have the option to insert further data about myself.• I should be able to input:<ul style="list-style-type: none">◦ Age◦ Hobbies / Interests◦ Pictures of myself◦ Description / application / message <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Backend: API for update <p>5. Effort estimate: 21</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Create flat profile

Edit		Assignees
<p>1. Role-Goal-Benefit: As A registered User , I want to be able to create a flat profile in the app , in order to provide accurate information for people in search of a flat</p> <p>2. Limitation: This means, I want to be able to enter details about the flat and the people who live in it.</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• After the creation of the profile, I want to have the option to insert further data about the flat.• I should be able to input:<ul style="list-style-type: none">◦ Pictures of the flat◦ Pictures of the free room◦ Room specifications (e.g. square meters, ...)◦ Address◦ Price◦ Date from which the room will be available◦ Date until which the room will be available◦ Description• I also should be able to:<ul style="list-style-type: none">◦ Link the user profiles of my flatmates◦ Or add basic information about them such as <i>Name, age, picture</i> <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Frontend: API for update <p>5. Effort estimate: 21</p>		<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>
		<p>🕒 Convert to issue</p> <p>📁 Archive</p> <p>🗑 Delete</p>

Customize Public Flat Profile

Edit		Assignees
<p>1. Role-Goal-Benefit: As A flat profile admin , I want to be able to customize my profile in the app , in order to change or add information</p> <p>2. Limitation: This means, I want to be able to enter/change details about the flat and the people who live in it.</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• I should be able to change all existing fields:• or add information i previously left out <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: UI for user• Frontend: API for update <p>5. Effort estimate: 8</p>		<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Discover Page

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user (in regards of my status) , I want to be able to discover the profiles of people or flats respectively , in order to find the perfect match</p> <p>2. Limitation: This means, on a discover page, profiles who might match are displayed in the style of tinder and I can like or dislike them</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• profiles of the other type are displayed (one at a time)• upon liking / disliking, the next profile is shown <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend <p>5. Effort estimate: 13</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>minor</p>

Navigation between Profile / Discover / Matches

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user , I want to be able to navigate between the profile, discover and matches page , in order to make use of all the functionality of the app</p> <p>2. Limitation: -</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• I want to be able to navigate from profile/discover/matches to discover/profile/matches (all to all) in one click <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend: navigation <p>5. Effort estimate: 5</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>minor</p>

Filter on Profiles to Discover

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user , I want to be able to only see profiles relevant for my search, in order to find the right profiles</p> <p>2. Limitation: This means, The preferences set in the search criteria of the profile (different stories) act as a filter on the discover page</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• After setting search criteria on the profile, no profiles which don't match the criteria should be visible on the discover page <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Backend <p>Effort estimate: 21</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Customize Profile: Search Criteria of a Person

Edit	Assignees
<p>1. Role-Goal-Benefit: As A person user , I want to be able to edit my search criteria , in order to customise which flats should be displayed on the discover page</p> <p>2. Limitation: This means, in the profile page, I want to have an option to enter my search criteria</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">As a person, I want to be able to set the following values for the search<ul style="list-style-type: none">set the location and its area around itset the earliest possible move-in dateset a price rangeThese changes should be saved permanentlyAll the changes are made directly, there is no edit / save button. <p>4. Engineering tasks:</p> <ul style="list-style-type: none">Frontend: UI to enter / displayBackend: API to update data <p>5. Effort estimate: 8</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Customize Profile: Search Criteria of a Flat

Edit	Assignees
<p>1. Role-Goal-Benefit: As A flat user , I want to be able to edit my search criteria , in order to customise which people should be displayed on the discover page</p> <p>2. Limitation: This means, in the profile page, I want to have an option to enter my search criteria</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">As a flat, I want to be able to set the following values for the search (both are optional)<ul style="list-style-type: none">genderage range (at least 4 years)These changes should be saved permanentlyAll the changes are made directly, there is no edit / save button. <p>4. Engineering tasks:</p> <ul style="list-style-type: none">Frontend: UI to enter / displayBackend: API to update data <p>5. Effort estimate: 8</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Matching

Edit	Assignees
<p>1. Role-Goal-Benefit: As a User , I want to be able to see the profiles that I liked and like me back , in order to get in contact with them</p> <p>2. Limitation: -</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• when I like profiles, if they like me back, a match should be generated and saved.• I should be informed that this is a match <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• mainly Backend <p>5. Effort estimate: 13</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Matches Overview

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user , I want to be able to view all my matches , in order to have an overview over them</p> <p>2. Limitation: This means, every match I have appears on the overview page</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">• every match I have appears on the overview page• the matches should be clickable --> further functionality (different stories) <p>4. Engineering tasks:</p> <ul style="list-style-type: none">• Frontend display all matches• Backend fetch all matches <p>5. Effort estimate: 8</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>important</p>

Navigation between Chat and Display of Matches

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user, I want to be able to display the profile of matches, in order to see again who I matched with</p> <p>2. Limitation: This means, from the chat page with a match, I can navigate to the profile page of that match</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">from the chat page I can navigate to the profile of the match with one clickthe profile page displays the public profile of the match <p>4. Engineering tasks:</p> <ul style="list-style-type: none">Frontend: esp. navigationBackend: fetch profile information <p>5. Effort estimate: 5</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>minor</p>

Chat

Edit	Assignees
<p>1. Role-Goal-Benefit: As a user (flat or person), I want to be able to chat with my matches, in order to get in contact with them</p> <p>2. Limitation: This means, upon clicking on a match in the matches overview page (if it exists), I can see the chat history of me and the match, with the possibility to send and receive messages.</p> <p>3. Definition of done: Acceptance Criteria:</p> <ul style="list-style-type: none">I can see all the messages exchanged in the pastI can send messagesAs soon as someone sends me a message, it is visible in the chatI get notified whenever I receive a message <p>4. Engineering tasks:</p> <ul style="list-style-type: none">FrontendBackend <p>5. Effort estimate: 34</p>	<p>Status</p> <p>Product Backlog</p> <p>Type</p> <p>User Story</p> <p>Priority</p> <p>minor</p>