

Sprint 2 Planning

Sublettr

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Sprint Overview

| Task Area | Team Members | Estimated Work Hours |
|-----------|---------------|----------------------|
| Front End | Michael, Josh | 56.5 |
| Server | Jeremy, Joel | 41 |
| Database | Joel, Josh | 30 |

Sprint Details

1. As a user, I would like to see images of the property.

| Team | Hours | Description |
|-----------|-------|--|
| Front End | 4 | Create service that can upload pictures to AWS S3 |
| Front End | 3 | Create service that will retrieve all photos for a property from AWS S3 |
| Front End | 3 | Create service that can retrieve thumbnails for the landing and search pages from AWS S3 |
| Front End | 2 | Be able to handle multiple image access at any given time. |
| Front End | 2 | Update sublet posting page to include image uploading |
| Front End | 2 | Update sublet model to include image links |
| Server | 2 | Update sublet model to include image links |
| Server | 2 | Update API to return image links with sublet |
| Database | 2 | Set up AWS S3 bucket to hold photos |

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|----------|---|--|
| Database | 3 | Add join table for relating image links with sublets |
|----------|---|--|

Acceptance Criteria:

- Successful listing of images that displays information about a property.
- Thumbnails are displayed of properties on the landing/search pages
- A lister can upload photos of their listed properties

2. As a lister, I would like to post my residence for a sublease.

| Team | Hours | Description |
|-----------|-------|--|
| Front End | 3 | Build an interface for inputting data about subleases for posting. |
| Server | 4 | Update controller to accept sublet posting |
| Database | 4 | Update sublet data table and architect an organized way to store data. |

Acceptance Criteria:

- Multiple dialog boxes to input data into.
- Data is accepted and post is stored in db.

3. As a user, I would like to be able to save subleases I am interested in

| Team | Hours | Description |
|-----------|-------|---|
| Front End | 1 | Have a clickable button intended to save the post. |
| Front End | 2 | Create a "Saved" page on user's profile |
| Server | 3 | Return saved pages from database when requested on user's page. |
| Server | 2 | Update full account model to include saved posts |
| Database | 3 | Create join table for saved sublets |

Acceptance Criteria:

- Sublets are able to be saved to user profile and returned when viewing “Saved” section inside the user’s profile.

4. As a lister, I would like to be able to add tags to properties

| Team | Hours | Description |
|-----------|-------|---|
| Front End | 2 | Allow for tags to be attributed to sublets on the post or when creating a post. |
| Front End | 4 | View and sort by tags. |
| Server | 3 | Handle multiple tags being attributed to a single sublet. |
| Server | 1 | Update full sublet model to include tags |
| Server | 3 | Update api to return tags with full sublet |
| Database | 3 | Add or remove from sublet’s tags in the database and return them. |
| Database | 3 | Add join table for tags |

Acceptance Criteria:

- Tags can be attributed to properties and can be used to sort by, or view certain features of sublets.

5. As a lister, I would like to be able to edit posts of properties

| Team | Hours | Description |
|-----------|-------|---|
| Front End | 3 | Create a dialog to edit data on a post. |
| Server | 5 | Handle requests to edit pre-existing data. Validate user editing data is the original poster. |
| Database | 1 | Update sublet data rows |
| Database | 2 | Update AWS S3 photo bucket if applicable |

Acceptance Criteria:

- Sublet data is able to be manipulated and saved by the poster.

6. As a lister, I would like to be able to have a profile

| Team | Hours | Description |
|-----------|-------|--|
| Front End | 3 | Create profile page so users can view their profile as well as other users |
| Front End | 2 | Create an edit profile page to edit profile details after creation |
| Server | 4 | Add POST/PUT for user to create/edit user info |
| Database | 3 | Update tables for user info |

Acceptance Criteria:

- Given a user has added profile information, when they navigate to their profile, then a user will see their own profile information
- Given a user has added profile information, when they edit their profile, save it, and navigate to their profile, then the information should be updated
- Given a user can click on another user's name, when they click on their name, then they will see that user's public profile

7. As a user, I would like to see how many roommates, if any, are going to be in the apartment i'm subletting and some anonymous information about them.

| Team | Hours | Description |
|----------|-------|---|
| Frontend | 2 | Create a roommate button that shows number of roommates on posting page |
| Frontend | 4 | Create modal that displays roommate info on roommate button click |
| Server | 6 | Create API to access roommate info |
| Database | 4 | Create join table for anons that will be roommates in a house |

Acceptance Criteria:

- Given a user is looking at a post, when they look at the house info, then they should see a button with the amount of roommates and the roommate symbol
- Given a user is looking at a post, when they click on the roommate button, then then a modal will appear
- Given a user has clicked on the roommate button, when they look at the modal, then they will see anonymous info about any roommates at the current location

8. As a lister, I would like to post open houses of apartments

| Team | Hours | Description |
|-----------|-------|---|
| Front End | 1 | Create field in sublet creation for open house date |
| Front End | 2 | Create field in sublet details for open house date |
| Front End | 1 | Create field in sublet edit for open house date |
| Server | 2 | Update sublet creation api for open house date |
| Server | 2 | Update sublet model with open house date field |
| Server | 2 | Update sublet update api for open house date |
| Database | 2 | Update sublet data table to include open house date field |

Acceptance Criteria:

- Given a user is viewing a sublet, they should see a date for an open house.
- Given a poster owns a sublet, they should be able to edit the open house date.

9. As a user, I would like my website flow to be straightforward and never be confused about site navigation.

| Team | Hours | Description |
|-----------|-------|---|
| Front End | 3 | Create breadcrumbs for areas of the site that are difficult to navigate |
| Front End | 3 | Create navbar at the top of the site for common navigation endpoints |

Acceptance Criteria:

- Given that a user is on a certain part of the site, they have a breadcrumb trail to view their
- Given a user is on a page, they can navigate to any other part of the site in three clicks or less

10. As a developer, I would like the front end to be using bootstrap and primeng instead of angular material for easier maintainability and quicker workflow.

| Team | Hours | Description |
|-----------|-------|--|
| Front End | 4 | Migrate every Angular Material component to its bootstrap and primeng counterpart. |
| Front End | .5 | Remove any reference to Angular Material |

Acceptance Criteria:

- Given a user is on a page, they should be only using the bootstrap and primeng components.
- Given a user is on a page, they will not be using any angular material component.

Remaining Backlog Items

| Backlog ID | Functional Requirements |
|------------|---|
| 1 | As a user, I would like to search through sublease listings in my area. |
| 4 | As a user, I would like to message property owners. |
| 6 | As a user, I would like to sort and filter posts on different criteria; distance, rating, cost. |
| 9 | As a user, I would like to be able to sort properties by location. |
| 12 | As a user, I would like to be able to tell if a property I am interested already is in the process of being reserved |
| 13 | As a lister, if my property is scraped from an external website, I would like to be notified if my apartment is being displayed (time permitting) |
| 14 | As a user, I would like to see posts from Facebook pages. (Purdue Housing |

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| | Rent/Sublease) |
| 15 | As a user, I would like to see posts from other apartment sites such as BoilerApartments, ApartmentGuide, etc |
| 16 | As a user, I would like to see apartment complexes and wholesale apartment lessors that have subleases available |
| 20 | As a user, I would like to enable a heatmap on the apartment map with the highest subleased or most desirable apartments highlighted. |
| 22 | As a lister, I would like to request a membership or a flat fee that gives me priority in search results over other subletters when users of the site search for apartments like mine. (Time Permitting) |
| 23 | As a lister, I would like to view statistics on the web traffic of my listing and if those users are visiting any similar listings. (Time Permitting) |
| 24 | As a user, I would like to be able to access the website on a production server |

| Backlog ID | Non-Functional Requirements |
|------------|--|
| 1 | As a developer, I would like to scrape local sublet listings from Facebook, etc. |
| 2 | As a developer, I would like the server to handle up to ~200 concurrent users without decrease in latency. |
| 5 | As a user, I would like the website to have animations. |
| 8 | As a developer, I would like to have a fast and automatic recovery if the site goes down for any reason. |
| 9 | As a user, I would like the website UI to be mobile ready (Time Permitting). |
| 10 | As a user, I would like the website to have a 2 second or less loading time for all pages. |