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**Team 12 - Sprint 1 Planning Document**

**Adam Kogut, Arvindh Swami, Darwin Vaz, Hiten Rathod, Kunal Sinha**

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### **Sprint Overview**

During this sprint we intend to have the basic structure of the platform up and running. Users, Companies, and Employees should be able to register successfully with us and interns should be able to input and modify their preferences. The front-end developers will focus on making a smooth, responsive and user-friendly home page and landing page. The back-end developer(s) will focus on getting the socket connections to work so that the client, server, and database are all connected. The database developers will focus on getting the basic functionality of the database running.

#### **Scrum Master**

Kunal Sinha

#### **Meeting Plan**

Tuesday, Thursday, Saturday: 8pm - 10pm

#### **Risks and Challenges**

Since we are just getting started, getting familiar with the languages that we intend to use can be a challenge. The back-end developers have to figure out how socket connection work in Go and how we can make database calls from Firebase in Go. The challenge for the front-end developers will be handling intern and employee events differently in an efficient way by using information from the database which they receive through the server. The main challenge is correctly setting up both the server and frontend for the rest of the project. The backend developers also have to ensure that the encryption works perfectly and is quick enough. Also, the database connections have to be encrypted and secure.

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### **Current Sprint Detail**

#### **User Story #1**

As a company, I would like to be able to send an email invite link to an intern.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create function to send invite link to the intern via email | 3 | Backend | Kunal |
| 2 | Create a function to obtain the list of locations from the server | 2 | Frontend | Arvindh |
| 3 | Create a drop down menu for the company to select location for intern | 3 | Frontend | Arvindh |
| 4 | Create a function to obtain the list of locations from the database | 2 | Backend | Arvindh |
| 5 | Store the intern’s information in the database after they register | 2 | Database | Darwin |
| 6 | Test the database to see if intern list updates; test the invite link works | 2 | Database | Darwin |

##### **Acceptance Criteria**

* Given the invitation system is successfully implemented, when the company invites an intern then I expect them to be added to the Pair platform.
* Given the invitation system is well designed, when the company invites an intern then I expect them to be able to choose the location for the intern.
* Given the invitation system is successfully implemented, when the company invites an intern then it should take the intern to the appropriate registration page.

#### **User Story #2**

As a company, I would like to be able to keep a master list of invited interns.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create a function to check authority to see if they can see the list | 1 | Backend | Hiten |
| 2 | Design and create UI to contain master list | 2 | Frontend | Adam |
| 3 | Create function to obtain the list from the server and format the response | 3 | Frontend | Kunal |
| 4 | Store the intern’s details into the database | 1 | Database | Darwin |
| 5 | Test the calls between the server and database | 2 | Database | Darwin |
| 6 | Test the calls between frontend and server | 2 | Frontend | Kunal |

##### **Acceptance Criteria**

* Given the landing page for the company is properly designed, when an employee logs in they will be able to see the list of invited interns.
* Given that the intern list is stored correctly in the database, when a user tries to access it, it’ll only be visible to the user if they have the required authority.
* Given the intern registration is successfully implemented, when an intern is added the master list, the employee can see the updated list

#### **User Story #3**

As a company, I would like to be able to create a general company profile.

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| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Design and create UI | 2 | Frontend | Adam |
| 2 | Create calls to server and format the responses for the UI (create and retrieve profile) | 4 | Frontend | Kunal |
| 3 | Receive company details from the front end and send to database | 3 | Backend | Arvindh |
| 4 | Store the company details in the database | 2 | Database | Darwin |
| 5 | Test the authentication to be able to modify the profile | 1 | Backend | Hiten |
| 6 | Test the UI and see if it can take correct input | 1 | Frontend | Adam |
| 7 | Test the database to see if updates are correctly stored | 1 | Database | Arvindh |

##### **Acceptance Criteria**

* Given the register page is successfully implemented, when the first employee of a company registers they are able to create a company profile
* Given that the employee is able to successfully create a company profile, when the profile is created the employee can input their company’s details
* Given the employee is able to input their company’s information, when the employee submits the company’s information it is successfully written into the database

#### **User Story #4**

As a user, I would like to be able to reset my password if I forget it.

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| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create UI components | 1 | Frontend | Adam |
| 2 | Create and format requests to the server’s API and handle verification | 2 | Frontend | Kunal |
| 3 | Socket Connections so that people can connect to the server | 4 | Backend | Hiten |
| 4 | Update the database without modifying other details | 3 | Database | Darwin |
| 5 | Test to see if people can connect to the server | 1 | Backend | Hiten |
| 6 | Test each UI component | 1 | Frontend | Adam |

##### **Acceptance Criteria**

* Given the password system is successfully implemented in the server, when a user forgets their password they should be able to reset it.
* Given the login page is successfully implemented, when a user forgets their password they are able to click on a forgot my password button/link
* Given the forgot my password button/link is successfully implemented, when a user clicks on the forgot my password button/link they are able to input their information to reset their password

#### **User Story #5**

As an intern, I would like to create my profile with relevant information about myself.

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| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Design and create UI | 2 | Frontend | Adam |
| 2 | Send form data to the server for database addition/update | 3 | Frontend | Kunal |
| 3 | Create list of preferences for the form | 3 | Database | Arvindh |
| 4 | Input the intern’s preferences into the database | 2 | Database | Darwin |

##### **Acceptance Criteria**

* Given the emailing system from the company worked correctly, when an intern activates the link they will be able to create their profile.
* Given the intern profile page is successfully implemented, when an intern creates their profile, they will be able to input their preferences.
* Given the intern profile page is successfully implemented, when an intern creates their profile, they will be able to add their own bio.

#### **User Story #6**

As an intern, I would like to be able to sign up for Pair using the email invite link.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create a function to determine if its a valid link | 3 | Backend | Hiten |
| 2 | Send the form for preferences to the front end | 1 | Backend | Hiten |
| 3 | Design and create intern profile creation page | 3 | Frontend | Adam |
| 4 | Test validation functions and front-end to server communications | 1 | Frontend | Kunal |

##### **Acceptance Criteria**

* Given the registration system is implemented, when a new person tries to login, the server can pull the list of preferences from the database and send it to the registering intern.
* Given the preferences form is correctly implemented, when the preferences are received by the frontend, they are displayed for the intern to change.
* Given the user can input their information, when they submit the information it is added to the database.

#### **User Story #7**

As an intern, I would like to login and update my profile settings.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Get all details from front end, verify it and encrypt it | 2 | Backend | Hiten |
| 2 | Design and create intern login page | 3 | Frontend | Adam |
| 3 | Make sure the password matches the one in the database | 1 | Database | Darwin |
| 4 | Update the details in the database without modifying unchanged information | 3 | Database | Darwin |
| 5 | Create a unique login hash to keep track of if they are logged in | 4 | Backend | Hiten |
| 6 | Design and create profile edit page | 2 | Frontend | Adam |
| 7 | Test to see if login components work | 1 | Frontend | Kunal |
| 8 | Test to check encryption standards | 1 | Backend | Hiten |
| 9 | Test pulling password details from the database | 1 | Database | Arvindh |

##### **Acceptance Criteria**

* Given that the login and profile pages are working, when a user logins in, they should be able be able to access the profile settings page.
* Given that the profile page is working, when a user accesses the profile page, they should be able to view their current profile settings.
* Given that the profile page is working, when a user accesses the profile page, they should be able to update their profile settings.

#### **User Story #8**

As an intern, I would like to delete my account.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create UI component | 1 | Frontend | Adam |
| 2 | Verify the account exists | 1 | Backend | Hiten |
| 3 | Remove intern from the database | 1 | Database | Darwin |
| 4 | Test the database to ensure no details of the user are left behind | 1 | Database | Arvindh |

##### **Acceptance Criteria**

* Given the profile page is successfully implemented, when the user wants to delete their account there should be a delete account button.
* Given that the database is implemented correctly, when the intern deletes their account their record is removed from all relevant tables in the database.
* Given that the database is implemented correctly, when the intern deletes their account they are removed from the company master list and cannot be seen by the employees anymore

#### **User Story #9**

As an intern, I would like to chose the number of roommates I would like to live with.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create roommate preferences function and handle requesting and sending to the server and database | 2 | Frontend | Kunal |
| 2 | Update/Input choice in the database | 2 | Database | Darwin |

##### **Acceptance Criteria**

* Given the roommate preferences page is implemented successfully, when an intern goes to the roommate preferences page, they should be able to select the number of roommates they would like to live with.
* Give the roommate preferences page is implemented successfully, when an intern goes to the roommate preferences page, their previous selections should be displayed when it is loaded.
* Given the database is implemented successfully, when an intern updates their roommate reference

#### **User Story #10**

As an intern, I would like to have a choice to upload a profile picture.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create UI component to accept profile pictures | 1 | Frontend | Adam |
| 2 | Compress picture to a data type that can be stored in the database | 5 | Backend | Hiten |
| 3 | Store the picture in the database | 3 | Database | Darwin |
| 4 | Test the compression engine to see if the image is compressed | 2 | Backend | Hiten |
| 5 | Test the compressed image to see if it can be stored in the database | 3 | Backend | Hiten |

##### **Acceptance Criteria**

* Given the profile page is successfully implemented, when the user wants to upload a profile picture, there will be a button on the profile page to upload an image.
* Given the profile page is successfully implemented, when the user accesses their profile page, they should be able to view their profile picture (if they have already uploaded an image).
* Given the profile page is successfully implemented, when someone else looks at their profile, they should be able to see the profile pictures.

#### **User Story #11**

As an intern, I would like to include links to other social media sites like Twitter and Facebook.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create UI component to accept links in profile page | 1 | Frontend | Adam |
| 2 | Send the data to the server to be added to the database | 1 | Frontend | Kunal |
| 3 | Store the intern’s links and other details in the database | 1 | Database | Darwin |

##### **Acceptance Criteria**

* Given the intern’s profile page has been created successfully, when a user goes to their profile page they should be able to add their social media links to common websites.
* Given the intern’s profile page has been created successfully, when a user goes to their profile page they should be able to view previous social media links they have added.
* Given the intern’s profile page has been created successfully, when the user clicks the links, they successfully redirect to their respective sites.

#### **User Story #12**

As an intern, I would like to include my preferences for an apartment.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Design and create preference form | 3 | Frontend | Adam |
| 2 | Create classification system for the preferences | 3 | Backend | Arvindh |
| 4 | Input the preferences in the database | 2 | Database | Darwin |

##### **Acceptance Criteria**

* Given that the preferences form is successfully implemented, when an intern inputs their preferences, the server should receive their preferences.
* Given that the preferences form is successfully implemented, when an intern opens their preferences, their previous preferences (if added) should be visible.
* Given that the database is implemented correctly, when an intern inputs their preferences, the preferences should be stored in the database.

#### **User Story #13**

As a company, I would like to be able to create a moderator account for company moderators.

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| --- | --- | --- | --- | --- |
| **#** | **Description** | **Time** | **Team** | **Owner** |
| 1 | Create a new type of account with different authority levels | 2 | Backend | Hiten |
| 2 | Send moderator information to the server | 2 | Frontend | Kunal |
| 3 | Separate employee and moderator accounts in an efficient way in the database | 2 | Database | Darwin |
| 4 | Input moderators in the database | 2 | Database | Darwin |
| 5 | Test different authority levels | 1 | Backend | Hiten |

##### **Acceptance Criteria**

* Given that the database was implemented correctly, when an employee registers with the correct registration PIN their account should be created with moderator status.
* Given that moderator accounts are implemented successfully, when a moderator creates an account, they should be able to login successfully with the correct credentials.
* Given that moderator accounts are implemented successfully, moderators should have the appropriate privileges when the login.

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### Current Product Backlog (13/41 stories completed)

1. **~~As a company, I would like to be able to create a general company profile~~**
2. As a company, I would like to be able to have a separate chat for each company location
3. **~~As a company, I would like to be able to create a moderator account for company moderators~~**
4. **~~As a company, I would like to be able to send an email invite link to an intern.~~**
5. **~~As a company, I would like to be able to keep a master list of invited interns.~~**
6. As a company, I would like to be able to remove interns from the company when the intern’s time at the company is over
7. As a company, I would like to be able to have all of the company location’s interns in a single general chat room.
8. As a company moderator, I would like to be able to control the flow of the company chat
9. As a company moderator, I would like to be able to control who can post and talk in the company chat
10. As a user, I would like the user interface to be simple and intuitive.
11. **~~As a user, I would like to be able to reset my password if I forget it.~~**
12. As a user, I would like to be able to report another user for acting inappropriately in chat
13. As a user, I would like the website to be responsive and snappy.
14. As an user, I would like to have a back to top button on every page.
15. **~~As an intern, I would like to be able to sign up for Pear using the email invite link.~~**
16. **~~As an intern, I would like to create my profile with relevant information about myself.~~**
17. **~~As an intern, I would like to include my preferences for an apartment.~~**
18. As a intern, I would like to update my preferences about my housing as and when needed.
19. **~~As an intern, I would like to login and update my profile settings.~~**
20. **~~As an intern, I would like to chose the number of roommates I would like to live with.~~**
21. As an intern, I would like to be able to form a housing group.
22. As an intern, I would like to only see house listings near the company.
23. As an intern, I would like to see house listings in my price range.
24. As an intern, I would like to see distance from the company for each house listing.
25. As an intern, I would like to be able to join multiple chat rooms based on my preferences.
26. As an intern, I would like to get notifications about house listings I have selected.
27. As an intern, I would like to see how many people want to book the same place as me
28. As an intern, I would like to get notifications about people leaving my housing group.
29. **~~As an intern, I would like to have a choice to upload a profile picture.~~**
30. **~~As an intern, I would like to include links to other social media sites like Twitter and Facebook.~~**
31. As an intern, I would like to be able to send private messages to other interns.
32. As an intern, I would like to view images of houses\apartments that I am interested in.
33. As an intern, I would like to know the approximate locations of all for sale houses\apartments.
34. As an intern, I would like to filter houses/apartments according to my criteria.
35. If time allows, I would like to get suggestions for housing based on my housing preferences.
36. As an intern, I would like to have links that directly target rental properties.
37. **~~As an intern, I would like to delete my account.~~**
38. If time allows, I would like to be able to read reviews of places that I am looking to stay at.
39. If time allows, I would like to be able to write and review places where I have previously stayed.
40. If time allows, I would like to keep my profile through different internships.
41. If time allows, I would like to be able to hide all posts by another user.