Sprint 1 Report

Video Link: https://youtu.be/sF1zSnAO8QU

What's New (User Facing)

* User Interface for homepage
* Functional login
* Upload matches to user homepage
* Allow students to create short bio

Work Summary (Developer Facing)

This sprint the team accomplished laying the foundation for the future of the project. This includes the initial project workspace set up, foundational classes (such as the RoommateFinderEngine) that will interface with other modules, and the base UI systems that can be built upon. The team also began implementing some of the concrete classes to implement some of the core functionality of the features of the program. These classes include but are not limited to, the Login class, the PaswordManager, the ProfileManager, the MatchManager, and the Survey hub. Each of the before mentioned classes all either control or support the various primary features of the system.

Unfinished Work

If applicable, explain the work you did not finish in this sprint. For issues/user stories in the current sprint that have not been closed, (a) any progress toward completion of the issues has been clearly tracked (by checking the checkboxes of acceptance criteria), (b) a comment has been added to the issue to explain why the issue could not be completed (e.g., "we ran out of time" or "we did not anticipate it would be so much work"), and (c) the issue is added to a subsequent sprint, so that it can be addressed later.

The issue for adding a user log out was not finished this sprint because it was assigned too early. Instead, the survey Hub issues was worked on.

The issue for adding the matching system first was that there was no foundation to get data from. The general survey should have been prioritized first before adding a UI to display potential matches to the user. Instead, I had used a placeholder csv file to compensate this. Since the UI does not reflect properly of how it will be implemented in the final work, I don't consider it complete. This issue will be addressed by actual working on and finishing the general survey and incorporating that with a matching system, then the matching UI can be updated to accurately reflect these changes.

The issue for allowing the user to upload their picture to their profile was not completed because of the time constraints. The profile page was created but nothing outside of the username is displayed on it.

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## Completed Issues/User Stories
Here are links to the issues that we completed in this sprint:

 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/5
 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/6
 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/10
 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/13

 ## Incomplete Issues/User Stories
 Here are links to issues we worked on but did not complete in this sprint:

 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/22
<<Completion reliant on creation of all three surveys>>

 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/14 <<Not
enough time to implement in a completed state>>

 * URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/18 << Log
out system does not save the current state of the system>>

* URL https://github.com/mattboombox/CPT_S-322-Group-Project/issues/4 << Create
profile not fully implemented yet, so nothing on profile to save>

## Code Files for Review
Please review the following code files, which were actively developed during this
sprint, for quality:
 * [Login.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/Login.cs)
 * [Match.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/Match.cs)
 * [MatchManager.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/MatchManager.cs)
 * [PasswordManager.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/PasswordManager.cs)
 * [ProfileManager.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/ProfileManager.cs)
 * [RoomateFinderController.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/RoomateFinderController.cs)
 * [SurveyHub.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/SurveyHub.cs)
 * [UserProfile.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinderEngne/UserProfile.cs)
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 * [HomePage.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/HomePage.cs)
 * [HomePage.Designer.cs]( https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/HomePage.Designer.cs)
 * [LoginForm.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/LoginForm.cs)
 * [LoginForm.Designer.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/LoginForm.Designer.cs)
 * [ProfilePage.Designer.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/ProfilePage.Designer.cs)
 * [ProfilePage.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/ProfilePage.cs)
 * [Program.cs](https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/Program.cs)
 * [matches.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/matches.csv)
 * [passwords.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/passwords.csv)
 * [profiles.cs] (https://github.com/mattboombox/CPT_S-322-Group-
Project/blob/main/RoomateFinder/RoomateFinder/profiles.csv)


## Retrospective Summary
Here's what went well:
  * Learning and working with C# was easier than expected.
  * More progress was made than was previously expected.
  * Delegation of tasks was quick in the beginning of the sprint
  * Autonomy within the group, people were able to execute the implementation of
      functional requirements without direction.

Here's what we'd like to improve:
   * Better selection of issues that can be independently completed for the sake
           of preventing roadblocks
   * Better and more frequent communication on the kanban board
   * Increase number of meetings for status updates
   * Re-balance the workload.

Here are changes we plan to implement in the next sprint:
   * User logout functionality with saving features
   * Creation of a student profile
   * Student image upload functionality
   * Creation of general survey
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