**CS683 Project Assignment   
Homies  
Andrew Ouellette**

**Instructions**

* This is the template of your final project report.  As this document will be constantly updated during the semester, please enable the “track changes” in your doc. Or if you prefer to use the md file, we can also see the change in the commit history.
* Please name your report as CS683\_<Last Name><First Name>\_<ProjectTitle>. It can be either a PDF or Word document.
* Make sure to push all your code into your github repository, create a release/tag and submit the link on blackboard.
* Please provide your feedback in the “Add comments” section when submitting your report. Thanks!

[**Overview 2**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.g6igqliy7rm)

[**Related Work 2**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.bf21eadgjj29)

[**Requirement Analysis and Testing 2-7**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.9dheewbiht5g)

[**Design and Implementation 8**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.312k3b3li0xh)

[**Project Structure 8**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.hkcglxnjhrt2)

[**Timeline 8**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.tp0jpote18vj)

[**Future Work (Optional) 8**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.wx5fnmke6x6g)

[**Project Demo Links 8**](https://docs.google.com/document/d/1Cz2e2-gvIBUlTj4ofTjKJ4agpVAG0EUV7WUPrNy32t4/edit#heading=h.nl6zntsisnrv)

1. **Overview**

Homies is an application that helps homies living together stay up to date on all information relevant to people living together. Things like when bills are due and who to reimburse, events planned at home, chore duty for the week and important reminders will all be localized in one location. Normally these types of details are scattered between group chats, calendars, notes posted on the fridge and casual conversation. With all this information in all these different locations it can be easy to forget something important and potentially result in an argument. Homies can ensure a peaceful, respectful, courteous, and conscious coexistence that will prevent any sort of issues and conflict. Finding good homies is not easy, and it is a shame to have an honest mistake be the reason for not continuing an arrangement that otherwise works great. The application’s existence is a statement that the people we choose to live with are special and they deserve a unique place to connect.

1. **Related Work**

Homies typically interact with each other often by virtue of living together in proximity through a few different mediums. It would not be uncommon for a group of people living together to communicate reminders in a group chat, events at their home on a Google Calendar and a Google Sheets document for bills. The difference and importance of having Homies is that it is a centralized location of knowledge for all to have on their phone. All the methods mentioned above of communication, via existing applications or more traditional modes, are great. Homies is not an application that is trying to reinvent the wheel but rather integrate existing practices into one ecosystem. The crucial difference with Homies is that its purpose is to keep the people involved connected. When a person goes to their group chat messages, their calendar or even their documents, it is not necessarily because they are thinking about their homies. When a person logs into their Homies application it is precisely because they want to know what is going on with their homies.

1. **Requirement Analysis and Testing**

|  |  |
| --- | --- |
| Title | Create home (Essential) |
| Description | As a user I want to be able to create a home so that I can connect with my homies. |
| Mockups |  |
| Acceptance tests | Given a user opens Homies and clicks on “Create Home” they can then fill out a form to create a home by giving it a name and listing the homies that live there. |
| Test Results |  |
| Status |  |

|  |  |
| --- | --- |
| Title | View home (Essential) |
| Description | As a user I want to be able to view my home to see important information my homies share with me. |
| Mockups |  |
| Acceptance tests | Given a user is shown a list of homes on the screen and they click on one from the list they will be brought to the home where they can view all the posts they made regarding their homies. |
| Test Results |  |
| Status |  |

|  |  |
| --- | --- |
| Title | Create home post (Essential) |
| Description | As a user I want to be able to make a post in one of my homes for me to not forget some information my homie has shared with me. |
| Mockups | A screenshot of a cell phone  Description automatically generated |
| Acceptance tests | Given a user is in a home and they click on “Post” they will be brought to the form where they can make and save a post. |
| Test Results | A screenshot of a cell phone  Description automatically generatedA screenshot of a cell phone  Description automatically generated |
| Status |  |

|  |  |
| --- | --- |
| Title | Create Homie account (Desirable) |
| Description | As a user I would like to create a Homies account so I can enjoy all that Homies has to offer. |
| Mockups |  |
| Acceptance tests | Given a user opens Homies and is not logged and clicks “Sign Up” they will be brought to the “Sign Up” page where they can create an account. |
| Test Results |  |
| Status |  |

|  |  |
| --- | --- |
| Title | Connect Homes (Optional) |
| Description | As a user I would like to be able to actually connect with my homies so that I can view not just my posts but theirs. |
| Mockups |  |
| Acceptance tests | Given a user is in a home and clicks “Connect with homies” they will be brought to the “Connect” page where they can request for another user to join their home. |
| Test Results |  |
| Status |  |

1. **Design and Implementation**

* Homies will be implemented using MVC architecture.
* I will need to be able to create multiple pages that a user can interact with for any of the actions mentioned above.
* If I can, I will have to support a database that will be able to store user emails and passwords and logins.
* I will also need some way to support users to connect with other users so they can join homes.

1. **Project Structure**
2. **Timeline**

|  |  |  |
| --- | --- | --- |
| Iteration | Application Requirements | Android Components and Features to be used |
| 1 | Essential | Create views for pages |
| 2 | Essential | Create logic to support features |
| 3 | Essential | Create model to hold data |
| 4 | Essential | Test and fix issues in application |
| 5 | Optional | Support user account creation |
| 6 | Desired | Support connecting accounts |