Iteration 1

Group 13

Christopher Phillips

Haoran Zhang

Khaleda Efat Jahan

Mohammed Al-Ajmi

Ruizhe Wu

Seif Elbayomi

Vishwa Patel

Date: February 19, 2023

Iteration Plan

1. **User Stories & Acceptance Criteria**

Provide your git project dashboard link:

GitLab repo: https://git.cs.dal.ca/alajmi/group13project

2. Tasks Assignment: Acceptance test and Engineering task

[Necessary Field --> labels,task description, member assigned, start date, end date(expected),

   status [pending,completed,in progress]]

Corresponding UserStory and Acceptance Criteria	Task(s)	Estimate	Member Assigned	Start	Expected	Status

US 1: As a user, I want the application to have a visually appealing and user-friendly signup page, so that I can create a new account and access the features of the app easily and efficiently.	Visual design of application sign-up page.	1 hour	Christopher Phillips, Seif Elbayomi	January 28th	February 8th	Completed
AT 1:1 Given a new user of Quick Cash, when they access the signup page, the page should have a visually appealing and user-friendly form with clear inputs for name, email, and password, and an easy-to-find "Signup button"	Visual design of application sign-up page.	1 hour	Christopher Phillips, Seif Elbayomi	January 28th	February 8th	Completed

AT 1:2: Given that I am a new user of the Quick Cash app, when I input my name, email, and password into the signup form and click the "Create Account" button, I should be redirected to the login page	Visual design of application sign-up page.	1 hour	Christopher Phillips, Seif Elbayomi	January 28th	February 8th	Completed
US 2: As a user, I want the application's login page to have a functional and secure system for logging into my account, so that I can access the features of the app efficiently.	Designing of the login page in android studios and adding functionality like connecting to firebase.	6 hours	Vishwa Patel	January 28th	February 16th	Completed
AT 2:1: Given an existing user of Quick Cash, when they access the login page, the page should have	Designing of the login page in android studios and adding functionality like	6 hours	Vishwa Patel	January 28th	February 16th	Completed

a functional and secure login system that allows the user to input their email and password and an easy-to-find "Login" button.	connecting to firebase.					
AT 2:2: Given an existing user of Quick Cash, when they input their email and password and click the "Login" button, the app should redirect them to the application home page, and their login credentials should be verified and kept secure.	Designing of the login page in android studios and adding functionality like connecting to firebase.	6 hours	Vishwa Patel	January 28th	February 16th	Completed
US 3: As a user, I want the application to have a functional home page with clear and intuitive navigation, so that I can easily access	Basic Employee & Employer Dashboard view created.	2 hours	Khaleda Efat Jahan	February 2nd	February 9th	Completed

and use its features.						
AT 3:1: Given a user of Quick Cash, when they login into the app, the page should have clear and intuitive navigation that allows the user to easily access both the Basic Employee and Employer Dashboard views.	Basic Employee & Employer Dashboard view created.	2 hours	Khaleda Efat Jahan	February 2nd	February 9th	Completed
US 4: As a user, I want the application to have a visually appealing and easy to use login page, so that I can access my account and use the app's features efficiently.	Visual design of application login page.	1 hour	Haoran Zhang	January 28th	February 8th	Completed
AT 4:1: Given a user of Quick Cash, when they access the	Visual design of application login page.	1 hour	Haoran Zhang	January 28th	February 8th	Completed

login page, the page should be visually appealing with a user-friendly interface that allows the user to easily input their email and password and an easy-to-find "Login" button.						
AT 4:2: Given a user of Quick Cash, when they successfully log in to the app, they should be redirected to their account dashboard	Visual design of application login page.	1 hour	Haoran Zhang	January 28th	February 8th	Completed
US 5: As a user, I want the application to be seamlessly linked to Firebase's database, so that I can have an efficient and reliable experience	Firebase Database Connectivity /Integration	1 hour	Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed

while accessing and managing my data in real-time.						
AT 5:1: Given a user of Quick Cash, when they access the app's database, the database should be seamlessly linked to Firebase and provide efficient and reliable real-time data access and management.	**Firebase Database Connectivity /Integration**		Mohammed Jasim Al-Ajmi	**January 28th**	**February 15th**	**Completed**
AT 5:2: Given a user of Quick Cash, when they input, update, or delete data from the app, the changes should be immediately reflected in Firebase's database, and the app should provide clear feedback and error messages if any issues occur.	**Firebase Database Connectivity /Integration**		Mohammed Jasim Al-Ajmi	**January 28th**	**February 15th**	**Completed**

US 6: As a user, I want to be able to sign up for the application easily and securely so that I can access the features of the app.	Secure sign-up and login functionality	2 hours	Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed
AT 6:1: Given a new user of Quick Cash, when they access the sign-up page, the page should have secure sign-up functionality that allows the user to easily and securely input their personal information, and an easy-to-find "Sign up Button"	Secure sign-up and login functionality		Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed
AT 6:2: Given a new user of Quick Cash, when they complete the sign-up form and create an account, the account	Secure sign-up and login functionality		Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed

should be securely stored and encrypted, and the app should redirect them to the login page						
US 7: As a user, I want the application to have a seamless integration with Firebase for real-time data storage and management, so that I can have an efficient and reliable experience while using the app.	Connection/ Integration with Firebase for data storage functionality	1 hour	Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed
AT 7:1: Given a user of Quick Cash, when they use the app to input, update, or delete data, the app should have seamless integration with Firebase for real-time data storage and	Connection/ Integration with Firebase for data storage functionality		Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed

management, providing efficient and reliable data access and management.						
AT 7:2: Given a user of Quick Cash, when they access their account dashboard, the dashboard should display real-time data stored in Firebase, and the app should provide clear feedback and error messages if any issues occur with the data connection.	Connection/Integration with Firebase for data storage functionality		Mohammed Jasim Al-Ajmi	January 28th	February 15th	Completed
US 8: As a user, I want to see a welcome page that gives me the option to either sign up or login so that I can easily create an account	Functionality implementation and Espresso test	8 hours	Ruizhe Wu	February 2nd	February 14th	Completed

or login to my account.						
AT 8:1: Given a user of Quick Cash, when they access the app's welcome page, the page should have clear and prominent options for signing up or logging in, making it easy for the user to create an account or log in to their existing account.	**Functionality implementation and Espresso test**	**8 hours**	**Ruizhe Wu**	**February 2nd**	**February 14th**	Completed
AT 8:2: Given a user of Quick Cash, when they select the sign-up or login options on the welcome page, the app should direct them to the appropriate page and display a form that allows the	**Functionality implementation and Espresso test**	**8 hours**	**Ruizhe Wu**	**February 2nd**	**February 14th**	Completed

user to input their information, and the Espresso test should verify that the form inputs and buttons are functioning correctly.						
US 9: As a user, I want a modern, consistent, and visually appealing design for all pages in the Android app to improve my user experience.	Redesign the pages to have a consistent and modern design	2 hours	Seif Elbayomi	February 10th	February 14th	Completed
AT 9:1: Given a user of Quick Cash, when they access any page in the Android app, the page should have a modern and visually appealing design that is consistent across all pages, improving the user's experience and making	Redesign the pages to have a consistent and modern design	2 hours	Seif Elbayomi	February 10th	February 14th	Completed

the app more user-friendly.						
AT 9:2: Given a user of Quick Cash, when they navigate between pages in the app, the design should remain consistent in terms of color scheme, fonts, and layout	Redesign the pages to have a consistent and modern design	2 hours	Seif Elbayomi	February 10th	February 14th	Completed
US 10: As a user, I want the development team to have a base project set up in Android Studio, so that they can efficiently start building the app and delivering a high-quality product.	Creation of Project environment	1 hour	Seif Elbayomi	January 28th	February 4th	Completed
AT 10:1: Given a development team working on Quick Cash, when they	Creation of Project environment	1 hour	Seif Elbayomi	January 28th	February 4th	Completed

open Android Studio, they should have a base project set up that includes all the necessary dependencies, frameworks, and libraries required for the app development process.						
AT 10:2: Given a development team working on Quick Cash, when they run the app on the base project in Android Studio, the app should run without any errors or issues	Creation of Project environment	1 hour	Seif Elbayomi	January 28th	February 4th	Completed
US 11: As a user, I want the development team to effectively manage code changes, merge and	Group proficiency with shared codebases and version control tools	3 hours	Seif Elbayomi	January 28th	February 8th	Completed (Ongoing)

collaborate with others through the use of branches in GitLab, so that the project is delivered with high quality and efficiency.						
AT 11:1: Given a development team working on Quick Cash, when they make changes to the app's codebase, they should use GitLab branches to effectively manage code changes, collaborate with others, and ensure that the project is delivered with high quality and efficiency.	Group proficiency with shared codebases and version control tools	3 hours	Seif Elbayomi	January 28th	February 8th	Completed (Ongoing)
AT 11:2: Given a development team working on	Group proficiency with shared codebases	3 hours	Seif Elbayomi	January 28th	February 8th	Completed (Ongoing)

Quick Cash, when they use GitLab branches to merge code changes, the app should run without any errors or issues	and version control tools						
US 12: As a user, I want the development team to have a clear understanding of the project requirements through well-defined user stories, so that they can efficiently work towards meeting the objectives and delivering a high-quality product.	Customer requirement research (in order to develop a satisfying product)	2 hours	Seif Elbayomi	February 2nd	February 8th	Completed (Ongoing)	
AT 12:1: Given a development team working on Quick Cash, when they receive well-defined user stories that clearly outline the	Customer requirement research (in order to develop a satisfying product)	2 hours	Seif Elbayomi	February 2nd	February 8th	Completed (Ongoing)	

|						
project requirements , they should have a clear understandin g of the project objectives and requirements , allowing them to efficiently work towards meeting the objectives and delivering a high-quality product.						
AT 12:2: Given a development team working on Quick Cash, when they use the user stories to guide the development process, the app should have all the required features and functionalitie s specified in the user stories	Customer requirement research (in order to develop a satisfying product)	2 hours	Seif Elbayomi	February 2nd	February 8th	Completed (Ongoing)

Progress Charts

1. Testing Report
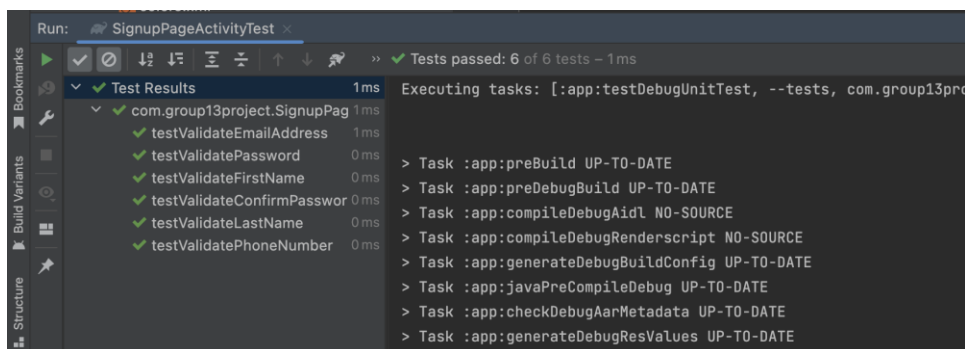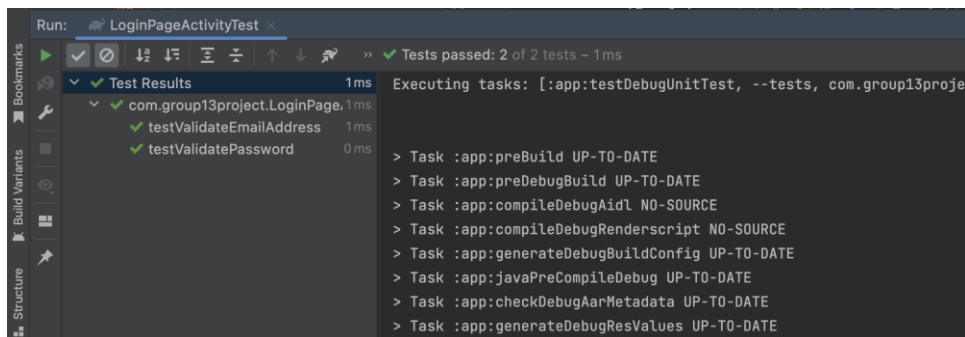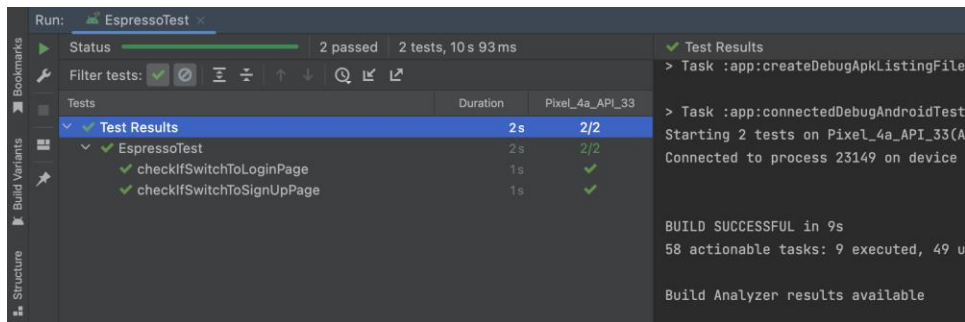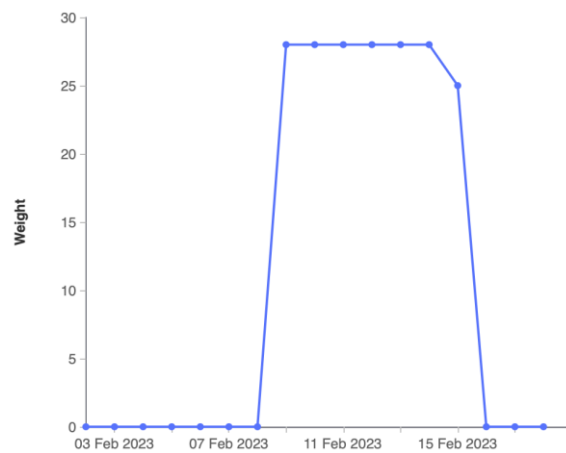
2. Burndown Chart
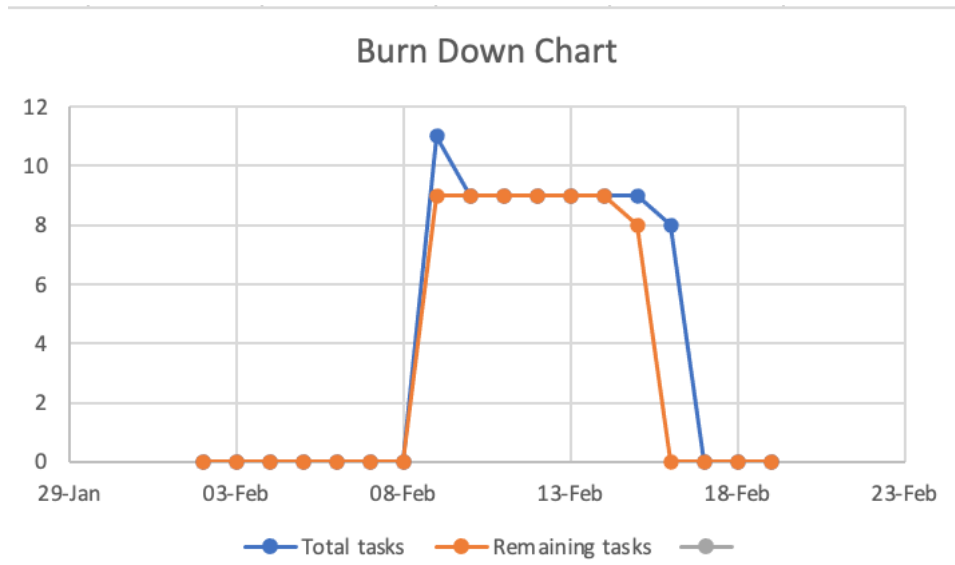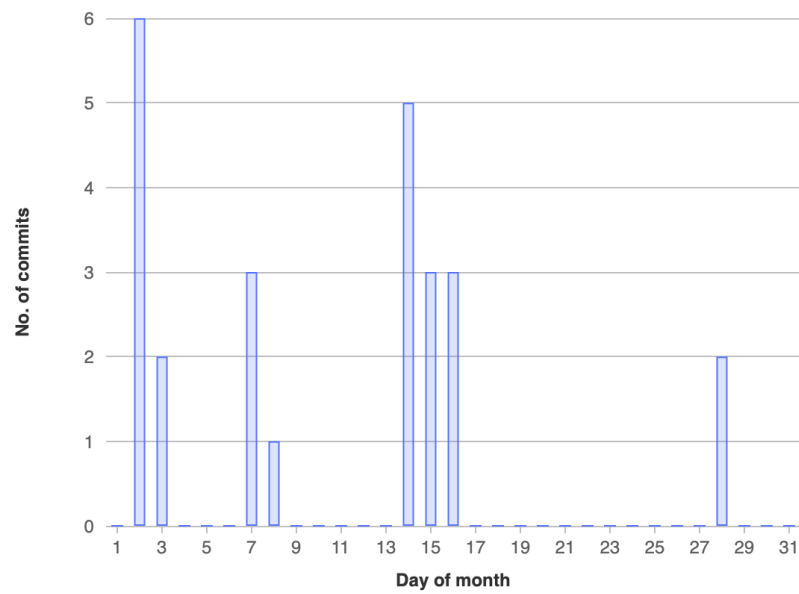
Burn Down Chart
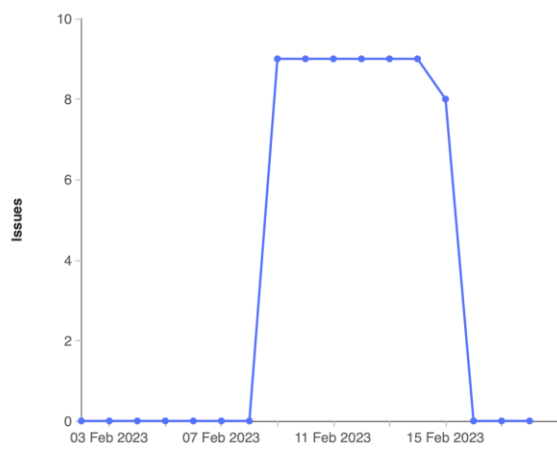
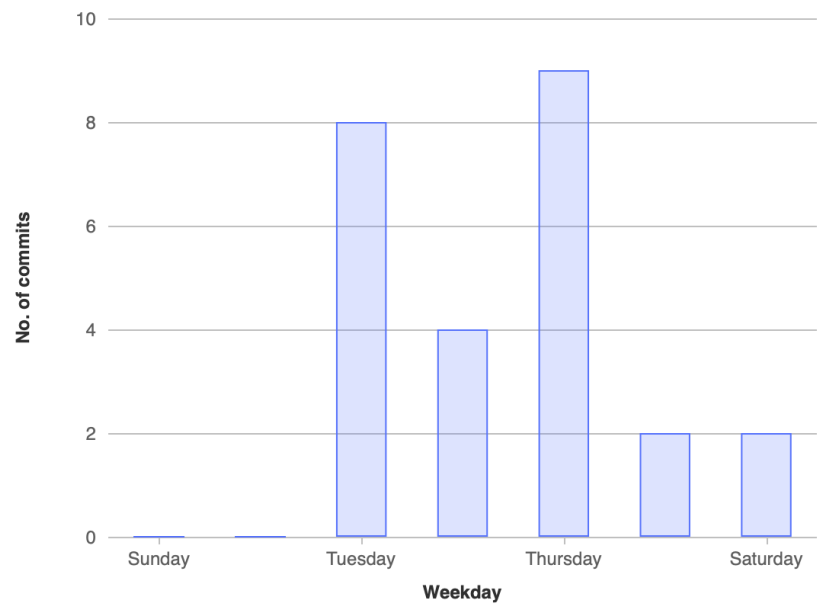# Burndown chart

Burndown chart
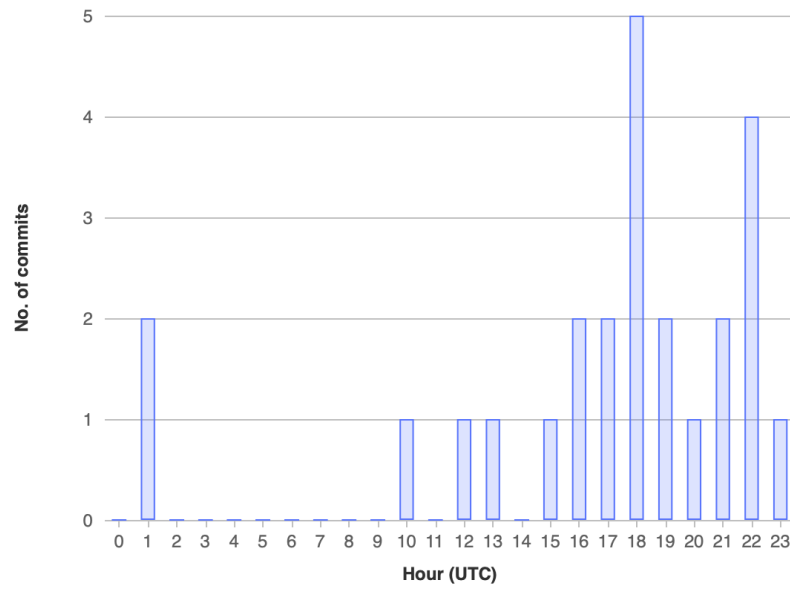

3. Velocity Chart

Commits per day of month

Commits per weekday

Commits per day hour (UTC)

Iteration 1
Feb 2, 2023–Feb 19, 2023

11 Issues · 9 Merge requests   100% complete   Close Milestone

Issues 11   Merge requests 9   Participants 6   Labels 1

| Unstarted Issues (open and unassigned) | 0 | Ongoing Issues (open and assigned) | 0 | Completed Issues (closed) | 11 30 |

Regular Standup Meetings

1. General Meeting Minutes: 2023-02-02

Time and location: Teams

Attendance: Ruizhe Wu, Mohamed Jasim, Seif ELBayomi, Haoran Zhang, Christopher Phillips, Khaleda Efat Jahan

Documented by: Christopher Phillips

Summary: (30mins)

As this was one of our first real meetings, we discussed the core materials which would be required to start the project. We then came up with a series of preliminary tasks to be completed, and assigned each of said tasks to respective group members.

What to do after meeting:

- Create/set up base software project in Android Studio IDE (Seif ELBayomi)

- Design of aesthetically appealing login page (Christopher Phillips)

- Creation of functional and secure app login page. (Vishwa Patel)

- Design of aesthetically appealing login page (Haorang Zhang)

- Creation of simple, efficient sign-up page. (Mohammed Jasim Al-Ajmi)

- Establish connection to Firebase's services to utilize real-time database functionality (Mohammed Jasim Al-Ajmi & Seif Elbayomi)

- Creation of functional, easily navigable home page. (Khaleda Efat Jahan)

- Creation of a welcome page which provides user login and sign-up functionality (Mohammed Jasim Al-Ajmi)

- Implementation of consistent visual page designs.

2. General Meeting Minutes: 2023-2-8

Time and location: Teams

Attendance: Ruizhe Wu, Mohamed Jasim, Seif ELBayomi, Haoran Zhang, Christopher Phillips, Khaleda Efat Jahan

Documented by: Haoran Zhang

Summary: (30mins)

We read the documentation about the project together, and assigned each of us a task

What to do after meeting:

- Assign Doing Unit Tests for someone (Ruizhe Wu)

- Create the Shared Word Document for the Iteration Report (Seif)

- Write User Stories & Acceptance Criteria as in the rubric (Each Member is assigned their own tasks Group-13-3130)

- Search for how to import the tasks Tasks Assignment table from GitLab (Khaleda Efat Jahan)

- Search for how to import the Burn Down chart & velocity chart (Khaleda Efat Jahan)

- Document the Stand-up meetings (Haoran Zhang- Christopher Phillips - Seif)

- Close the issues once we are done with them to reflect on the charts (Group-13-3130)

- Ask TA about (Code Refactoring, Test-Driven Development, Test-Driven Development, Testing Reports, Revise the Rubric with him if possible)

3. General Meeting Minutes: 2023-02-14

Time and location: Teams

Attendance: Ruizhe Wu, Mohamed Jasim, Seif Elbayomi, Vishwa Patel, Haoran Zhang, Christopher Phillips, Khaleda Efat Jahan

Documented by: Ruizhe Wu

Summary:

- **Iteration planning (30 min)**
  - Meet up client and show our current progress.
  - Finished functionality of switching from main activity to sign up page activity.
  - Finished functionality of switching from main activity to log-in page activity.

- **What to do after the meeting**

- o Improve documentations.
- o Seif will work on Junit test for the JAVA file
- o Ruizhe will work on the Espresso test.
- o Seif will reimplement the design enhancements.
- o Mohamed will push the modified XML files.
- o Vishwa will work on retrieving the login credentials.
- o Mohamed will work on the signup functionality with the fire base.

4. General Meeting Minutes: 2023-2-16

Time and location: Teams

Attendance: Ruizhe Wu, Seif Elbayomi, Haoran Zhang, Christopher Phillips, Khaleda Efat Jahan, Vishwa Patel, Mohammed Al-Ajmi

Documented by: Mohammed Al-Ajmi

Summary: (30mins)

- Met up with client TA and showed him the progress of the app, he was satisfied with the functionality. The application met the requirements of the Client TA for iteration 1.
- Client TA pointed out that we still need to add tests and testing report.

What to do after meeting:

- Decided as a team that Mohammed Al-Ajmi is going to refactor some code in the signup page in order to facilitate the testing (JUnit).
- Reminded the whole team of the importance of filling their specific parts in the iteration report.

Iteration Post-mortem Review [4/100]

Issues With Development

1. Sometimes members could not show up to meeting for various reasons.
2. The Java version is not compatible with some members.

Solutions

1. Record the meeting and write down each member's task after the meeting so everyone knows what they have been assigned.
2. Unified the Java version of each member.

Goals for Upcoming Iteration

1. Improve code quality.
2. Write code base on SOLID principle.
3. Implement more functionality for the app base on TDD.

Links