

Project Iteration1 Report

Group 6

RuiDa Wang
Chaojun Ma
Jack Xiao
Xinhai Cheng
Haonan Ren
Yanlin Zhu

Date: 2020-02-13

Iteration Plan

User Stories & Acceptance Tests

User Story 1:

Story:

ID	US:1
As A	User
I Want	To be able to create an account on the app
So That	I can start vote from my account

Acceptance Tests:

ID	AT: 1.1
Given	user wants to create an account
When	user did not enter password or email, and click sign up button
Then	error message shows up (remind user email or password is empty)

ID	AT: 1.2
Given	user wants to create an account
When	user enter invalid email, and click sign up button
Then	error message show up (remind user it is an invalid email)

ID	AT: 1.3
Given	user wants to create an account
When	user enter valid email and password, and click sign up button
Then	home page will show up on user screen

User Story 2:
Story:

ID	US:2
As A	User
I Want	To be able to login to the app with a created account
So That	I can save my information in my account

Acceptance Tests:

ID	AT: 2.1
Given	To be able to login to the app with a created account
When	after user type in incorrect password or email, click login button
Then	error message will show up (remind user to enter correct user information)

ID	AT: 2.2
Given	To be able to login to the app with a created account
When	after user type in correct password or email, click login button
Then	home page will show up on user screen

User Story 3:
Story:

ID	US:3
As A	school manager
I Want	to see the voting result, but he won't have right to vote
So That	I can check activities' voting process

Acceptance Tests:

ID	AT: 3.1
Given	school manager want to see the voting result, but he won't have right to vote
When	after manager click the "see voting result" button from sign up page
Then	voting result page would show up on user screen

ID	AT: 3.2
Given	school manager want to see the voting result, but he won't have right to vote
When	after manager click the "back" button from voting result page
Then	sign up page would show up on user screen

Tasks – Iteration 1

Table shows the summarization of completely situation about each user story we focused on Iteration1

<i>User Story</i>	<i>Tasks</i>	<i>Estimate</i>	<i>Start</i>	<i>Expected</i>	<i>Status</i>
US:1	Complete the function that user can sign up to vote	4 hrs	Janaray 30th	February 6th	Complete
US:2	Achieve the function that user can log in the app if he has registered an account	4 hrs	Janaray 30th	February 10th	Complete
US:3	User can see the voting result, but he won't have right to vote	4 hrs	Janaray 30th	February 12th	Complete

Table records daily completion and progress during Iteration1 in detail.

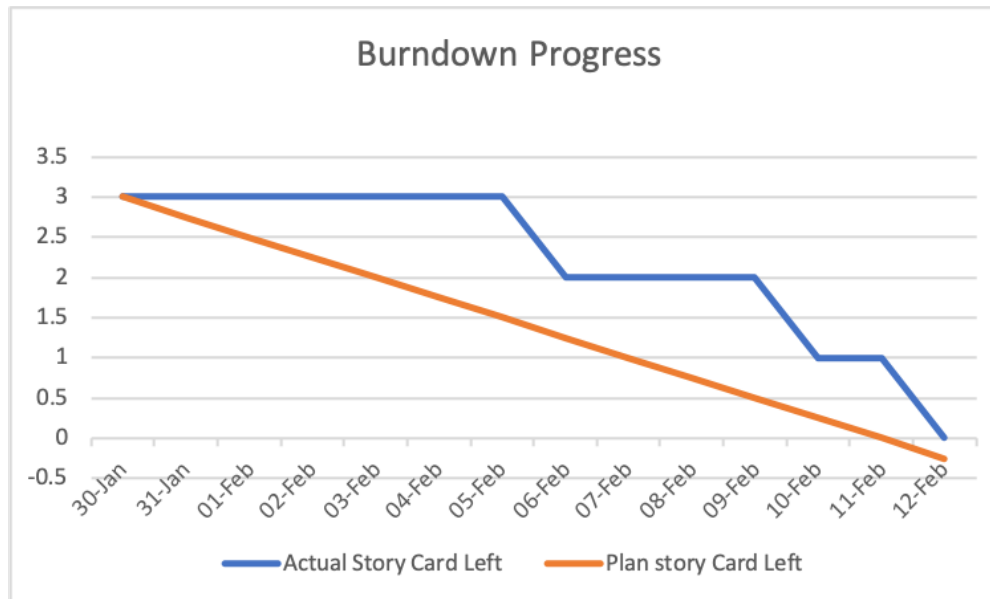
Date	User Story	Task	Pair Member	Status	Remark	Duration
Jan.30	N/A	Finish story Cards and choose iteration 1 task	Ruida & Chaojun & Xinhai & Haonan & Jinaliang & Yanlin	Complete	Approved by the Teaching assistant	1h 30min
Feb.4	N/A	Group discussion for the structure and assign everyone's tasks	Ruida & Chaojun & Xinhai & Haonan & Jinaliang & Yanlin	Complete		1h 30min
Feb.6	US1	Create the Android Studio project.	Haonan & Xinhai	Complete		1h 30min
Feb.6	US1	Recreate GitLab Repo and eliminate the confusion	Haonan & Xinhai	Complete	Setting up an agreement	

		of team members on git.			on git using rules	
Feb.6	US1	Setting up Activities	Yanlin & Chaojun	Complete	Create a basic framework for future develop	
Feb.6	US2	Try using firebase connected the app add data to the database	Ruida & Jianliang	Not complete	Encountered bugs and researched to fix the connection bug.	
Feb.8	US2	Continued: try using firebase connected the app add data to the database	Ruida & Jianliang	Complete	implement save() and load() in firebase	2h 30 min
Feb.8	US3	Drawing UI layout for after vote	Yanlin & Haonan	Complete		
Feb.8	US3	Drawing UI layout for dashboard	Chaojun&Xinhai	Complete	Implement home UI for user voting	
Feb.11	US3	Finished UI layout for dashboard	Yanlin&Xinhai	Complete	Using fragment to finish UI	2h
Feb.11	US3	Writing the test for email validation to	Jianliang & Haonan	Complete	Finished the test for email validation	
Feb.11	US3	Bugfix for homepage and dashboard UI	Ruida & Chaojun	Complete	fix the crash caused the fragment	

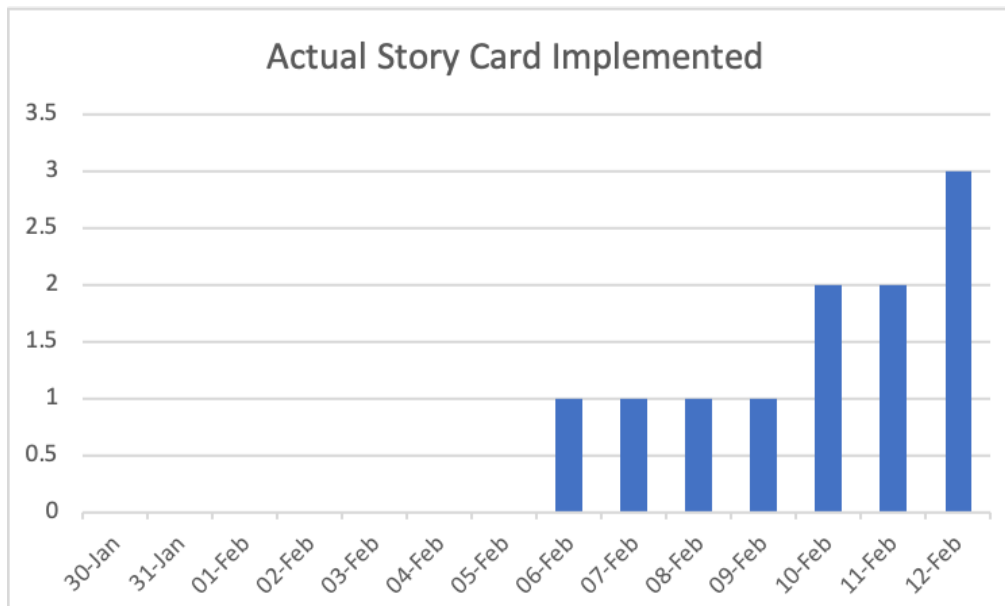
Feb.12	US3	Retouch and redesign the user interface.	Yanlin & Chaojun	Complete	Write tests for login and Main activity	3 h
Feb.12	Refactor the app	Delete unnecessary methods and comments, connect login user interface with home activity, check login data matched with database	Haonan & Ruida	Complete		
Feb.12	Add feature for after voting	Make after voting interface can show some information about users.	Xinhai & Jianliang	Complete	Make after voting interface looked more friendly to users.	

Progress Charts

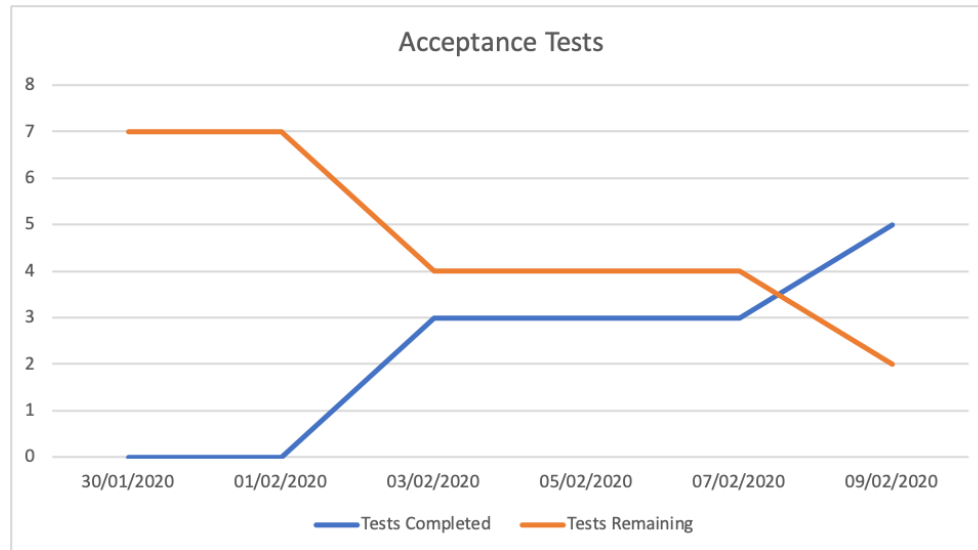
Burndown Chart



Velocity Chart



Testing Chart



Standup Meeting Minutes

Iteration 1

Tuesday, Jan.30, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

We discussed user stories, which need to be done in iteration one. We also corresponded tests and finished all compilation of user story cards by collecting comments from members and summarizing them.

Tuesday, Feb.4, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

We reviewed and discussed user stories written from the last meeting. After that, team members conceived the main structure of the application, established the principle framework of the application development and the approximate distribution of various tasks.

Thursday, Feb.6, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

During this session, Xinhai and Haonan created the project file in Android Studio for the first time and developed it using the Empty Activity template. At the same time, we resolved the permissions issues encountered in the first GitLab and recreated the GitLab Repo. After creating the GitLab Repo, Xinhai added all team members to the Project Repo. At the same time, Yanlin and Chaojun created the basic Activities for the first time, creating a work framework template for future

development work. Most importantly, Jianliang and Ruida first tried to use and integrate firebase into their application.

Saturday, Feb.8, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

Since the Firebase database connection failed last time, we retried to connect and use Firebase in this session. With the efforts of Jianliang and Ruida, we wrote the save() and load() methods using firebase. While completing firebase, the other members started designing the user interface for the pages, with Haonan and Yanlin writing the post-vote interface and Xinhai and Chaojun writing the main Home and Dashboard interface. This meeting is the first time that team members work in pairs simultaneously, greatly improving the efficiency of development.

Tuesday, Feb.11, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

Based on the tasks completed last time, this meeting mainly needs to test and fix bugs on the tasks of the last meeting. By writing test, we verified the Email input validation functionality. At the same time, we found some bugs on the home page and dashboard page that could cause the entire application to quit unexpectedly. After detection, it's due to Fragment problem. The page loading triggered an error, the Bug has been fixed by Chaojun and Ruida. At the same time, during this meeting, we also completed the connection and basic operation construction of each page, making the application more usable.

Wednesday, Feb.12, 2020

Attendance: Xinhai Cheng, Haonan Ren, Chaojun Ma, Ruida Wang, Jianliang Xiao, Yanlin Zhu

We planned to refine the last few tasks and checked that everything works in Iteration1. We refactored the app. Haonan & Ruida deleted unnecessary methods and comments, connected login user interface with home activity, check login data matched with database. Other members have perfected the user interface to make it more comfortable to use. After that, we summarized the tasks we did in iteration1. We discussed what we did and made plans for the next iteration.

Post-Mortem Review

Issues with Development

1. Have issue with combining pair code
2. Take long time to fix bugs
3. Feel difficult to use test-driven development

Solutions

1. We submit our code to our own branch and merge our code into master branch.
2. We write programs in pairs. one person writing the code, the other one checks if any misspelling.
3. Keep using test-driven development instead of the traditional way. Changing the programming way in the past.

Goals for Upcoming Iteration

1. Achieve all user stories we chose in iteration2 and working for some important functions of our application.
2. Further beautify the user interface.
3. Insist on using test-driven development.
4. Team members can work more efficiently, and the division of labor among team members to be more reasonable.
5. Avoid mistakes and bugs found in iteration1.

Links:

Github Repository:

<https://git.cs.dal.ca/xcheng/csci-3130.git>