CSCI 3130
Project Iteration Three Report
Group 6

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Iteration Plan

User Stories & Acceptance Tests

User Story 17:

ID	US #17
AS A/AN	Admin
I WANT TO	I want to be able to set a close date for each election
SO	They automatically close at the right time.

Acceptance Tests – User Story 17

ID	AT: 17.1
Given	We are on the election list page for the student and the poll end date has passed.
When	After we click the "Vote" button
Then	The user is prompted to a page where it tells them that the poll is closed for now.

ID	AT: 17.2
Given	We are on the election list page for the student and the poll start date did not come yet.
When	After we click the "Vote" button
Then	The user is prompted to a page where it tells them that the poll is closed for now.

ID	AT: 17.3
Given	We are on the election list page for the student and the poll is currently open (today's date is between the start and end date)
When	After we click the "Vote" button
Then	The user is prompted to the voting page so they submit their votes.

ID	AT: 17.4
Given	We are on the election list page for the student and the poll has been frozen by the admin (today's date is between the start and end date)
When	After we click the "Vote" button
Then	The user is prompted to a page where it tells them that the poll is closed for now.

User Story 9 + 10:

ID	US #9
AS A/AN	Admin
I WANT TO	Be able to log in.
SO	Keep track of the elections I created, and no random person can change the questions.

ID	US #10
AS A/AN	Student
I WANT TO	Be able to log in.
SO	Keep track of the elections I have voted for.

NOTE - The combined user story will be:

ID	US #9/10
AS A/AN	User
I WANT TO	Be able to log in.
SO	Keep track of the elections I created or voted on.

Acceptance Tests – User Story 9 & 10

ID	AT: 9/10.1
Given	Admin is on the main page of the app
When	they enter an admin login info
Then	They get directed to admin page

ID	AT: 9/10.2
Given	Student is on the main page of the app
When	they enter an admin login info
Then	They get directed to Student page

ID	AT: 9/10.2
Given	Users on the main page of the app
When	they enter any login info
Then	They won't get directed anywhere and have to re-enter the login information correctly

User Story 7:

ID	US #7
AS A/AN	Admin
I WANT TO	See which election has the greatest number of voters.
SO	I know what the topic of the season is.

Acceptance Tests – User Story 7

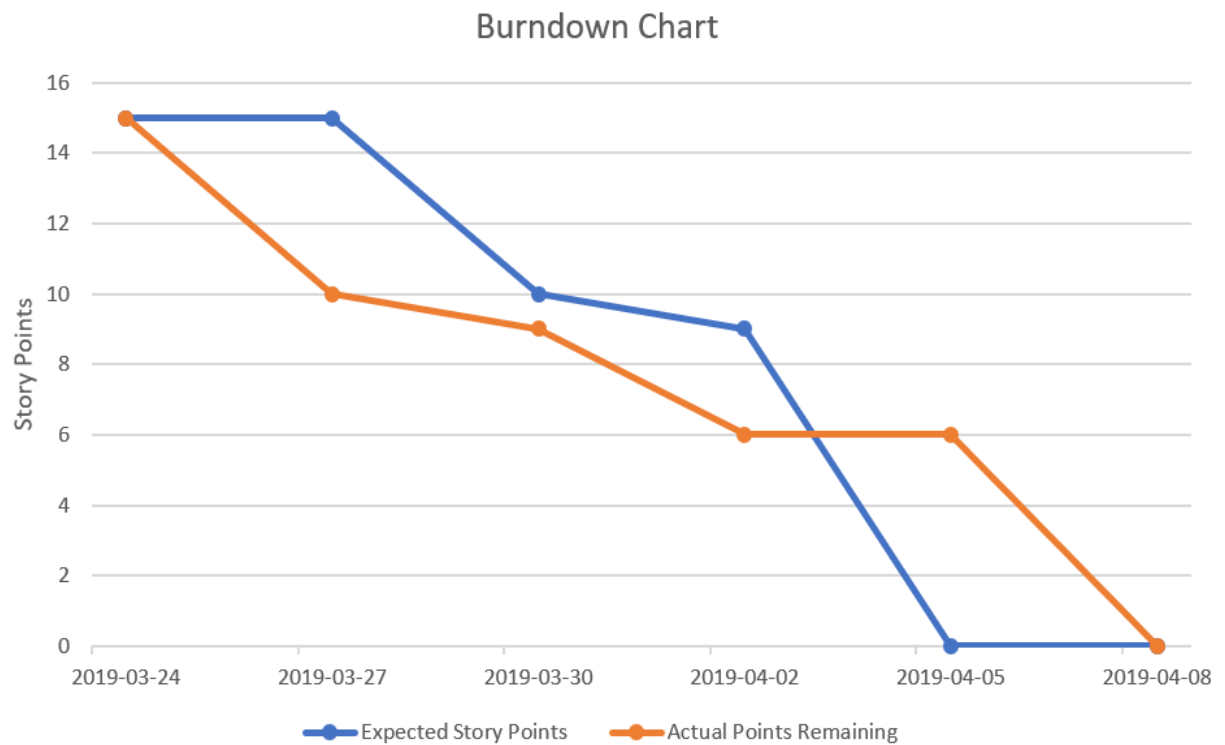| ID	AT: 7.1
Given	We are on the election list page for the admins.
When	After they scroll through the list, and the polls are closed.
Then	The admin will be able to see the number of total votes under each election title

User Story 8:

ID	US #8
AS A/AN	Admin
I WANT TO	Keep track of how many people have finished the elections.
SO	I can freeze the election if I have enough votes.

Acceptance Tests – User Story 8

ID	AT: 8.1
Given	We are on the election list page for the admins.
When	After they scroll through the list, and the polls are still open.
Then	The admin will be able to see the number of total votes under each election title

Tasks Tracker

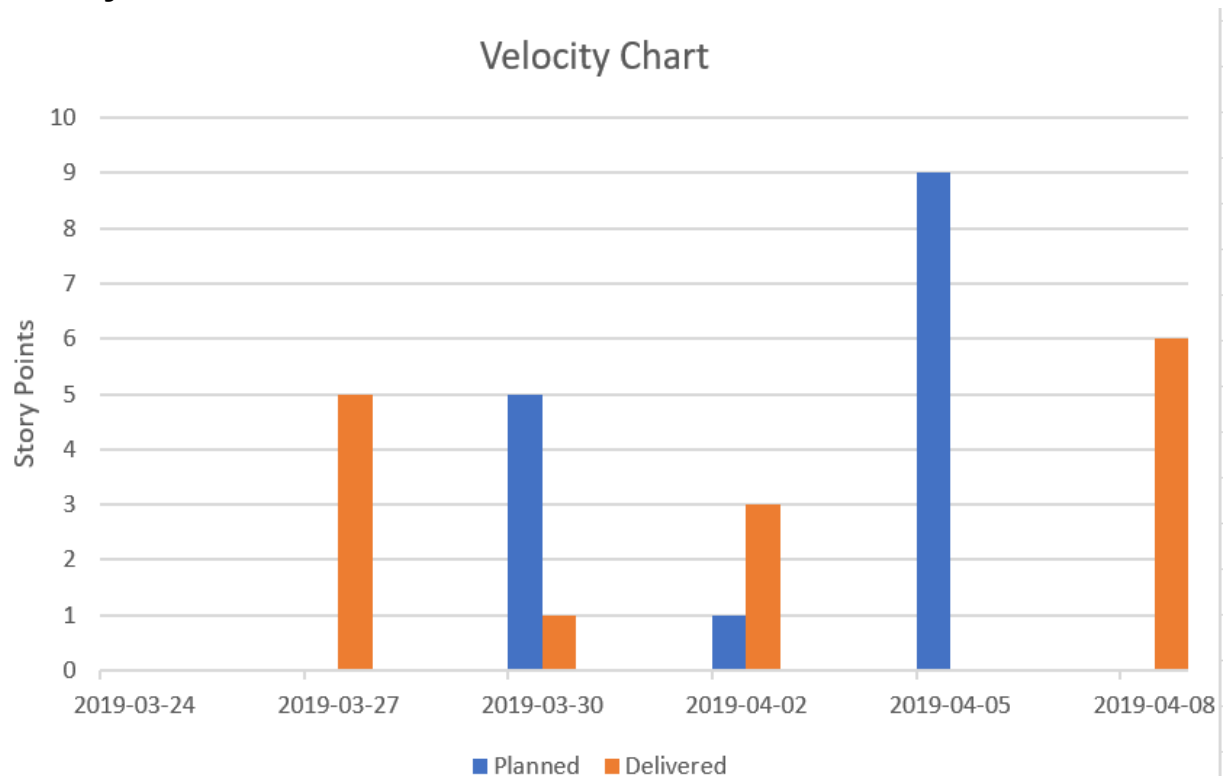| User Story	Task(s)	Estimate	Dev. Pair	Start	Exp.	Status
7	- Add a text field the holds the title "total number of votes" -Add a text field that holds the number of votes -connect the total number of fields to actual number by creating a method to count	Points: 1.5 (We had 1 at the beginning of iteration 1 but after re-evaluating we got 1.5)	Hibah And Sydney	2019-04-01	2019-04-03	COMPLETE
8	- Add a text field the holds the title "total number of votes" -Add a text field that holds the number of votes -connect the total number of fields to actual number by creating a method to count	Points: 1.5 (We had 1 at the beginning of iteration 1 but after re-evaluating we got 1.5)	Hibah And Sydney	2019-04-01	2019-04-03	COMPLETE
17	-Create an error page UI with all the proper buttons and fields -Create a connection between the error page and getting back to the main page -Create a method for checking the dates properly -Create an election with an expired end date -Create an election that did not start yet, the start date is in the future -Create an election that is open and has proper dates	Points: 5	Hibah And Alec	2019-03-23	2019-03-29	COMPLETE

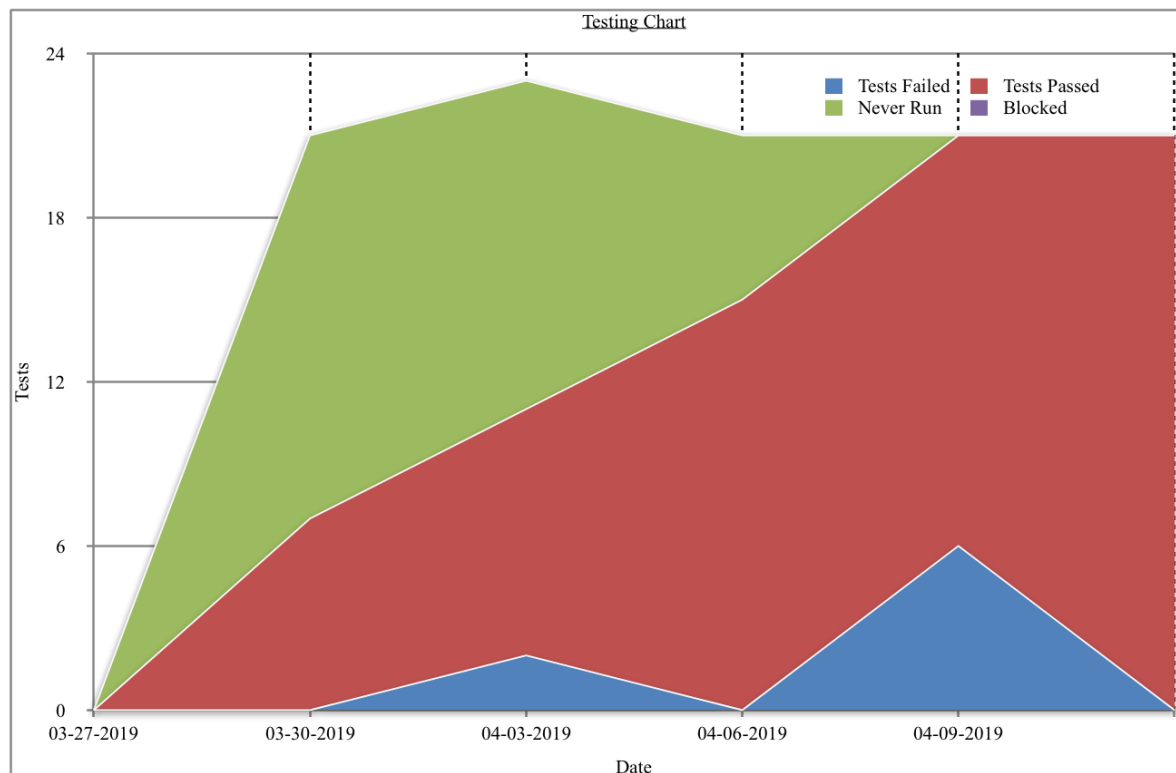|						
	-Create an election that is open and has proper dates and that was frozen by the admin					
10+9 (Combined into one)	-Created an interface for the user to build off of -Created a user class to hold the details for each user -Created a user manager class to handle actions like login, logout, employing the singleton pattern -created an activity to allow users to login -implemented the activity functions (login, logout, register, delete) -pull information for the login and check if its admin and redirect -pull information for the login and check if its student and redirect -pull information for the login and check if its user and don't redirect	7		Liam And Joy Liam And Aisha	2019-03-29	2019-04-05	COMPLETE

Progress Charts

Burndown Chart

Velocity Chart

Testing Chart

Meeting Minutes - Hibah

Meeting ID	11.
Date	Mar 20, 2019
Who was present	Everyone except Amy.
Previous pairs	Liam & Amy, Hibah & Aisha, Sean & Alec, Joy & Sydney
Next pairs	Liam & Aisha, Hibah &Alec, Sean & Joy, Sydney & Amy
Time worked (Start – End)	4:00 - 5:25
Notes	We had a stand-up meeting. We had a client meeting. We are doing user stories (14, 10+9,17,21) user story 17 (Hibah & Alec), user story 10+9 and later 21 (Liam & Aisha), user story 14 (Sean & Joy)

Meeting ID	12.
Date	Mar 22, 2019
Who was present	Everyone.
Previous pairs	Liam &Aisha, Hibah &Alec, Sean & Joy, Sydney & Amy
Next pairs	Liam &Aisha, Hibah &Alec, Sean & Joy, Sydney & Amy
Time worked (Start – End)	4:00 - 5:25
Notes	We had a stand-up meeting. Everyone gave an update on the user stories they were working on.

Meeting ID	13.
Date	Mar 27, 2019
Who was present	Everyone.
Previous pairs	Liam &Aisha, Hibah &Alec, Sean & Joy, Sydney & Amy
Next pairs	Liam &Aisha, Hibah &Alec, Sean & Joy, Sydney & Amy
Time worked (Start – End)	4:00 - 5:25
Notes	We had a stand-up meeting. User story 17 is done. We stayed with the same partners at this meeting.

Meeting ID	14.
Date	Mar 29, 2019
Who was present	Everyone.
Previous pairs	Liam &Aisha, Hibah & Alec, Sean & Joy, Sydney & Amy
Next pairs	Alec & Aisha, Amy & Sean, Hibah & Sydney, Liam & Joy.
Time worked (Start – End)	4:00 - 5:25
Notes	We had a stand-up meeting. We dropped user story 21, 14. Added user story 8 &7. Aisha worked on the report and coordinate the tasks that need to be complete for the final iteration report, presentation and demo. Hibah will work on the UI and the progress sheet and the admin view of the results. All parts of the report are signed to different people.

Meeting ID	15.
Date	Apr 3, 2019
Who was present	Everyone except Hibah.
Previous pairs	Alec & Aisha, Amy & Sean, Hibah & Sydney, Liam & Joy.
Next pairs	Alec & Aisha, Amy & Sean, Hibah & Sydney, Liam & Joy.
Time worked (Start – End)	4:00 - 5:25
Notes	We had a stand-up meeting. User stories 7 and 8 are done. Pairs were rotated at this point of the project. Pairs that were not working on user stories took on a greater role in the documentation and project sign-off phase.

Meeting ID	16.
Date	Apr 5, 2019
Who was present	Everyone.
Previous pairs	Alec & Aisha, Amy & Sean, Hibah & Sydney, Liam & Joy.
Next pairs	Alec & Aisha, Amy & Sean, Hibah & Sydney, Liam & Joy.
Time worked (Start – End)	4:00 - 5:25
Notes	We merged the branches. The login is almost done but for the demo, just a mock will be ready.

Post-Mortem Review

Issues with Development:

1. *Concentration:*

    A common problem has been staying on topic in labs. Getting close to the end of the term means a lot more work and stress, with generally less sleep. This led to some confusion and imbalanced workload.

2. *Formatting Inconsistencies:*

    There was a small challenge using the date's syntax. There was discrepancy in if dates should be labelled MM-DD-YYYY or DD-MM-YYYY.

3. *User Story Dependencies*

    At points in development some people's user stories relied on members of other user stories having their portions complete. This made time management and completion of tasks on time an issue.

4. *Similar User Stories*

    User story 9 and 10 were found to accomplish the same overall goal. It was realized that if user story 9 and 10 were implemented separately it would create repeating code segments.

5. *Team Communication*

    Discord has been used throughout this project as our form of communicating outside of class. Our group members use of discord is inconsistent. Some group members only created discord accounts for the purpose of this course and do not use it for non-academic reasons. This makes reaching team members instantaneously a problem, and some questions may not be answered for hours.

6. *Scheduling Conflicts*

    We have team members from 3 different majors with very different schedules. Some of our team members also have jobs, and other major commitments outside of class. These created some minor issues for timelines and deciding times to meet.

Solutions

1. *Communicating Personal Needs to Team Members*

   When team members were faced with difficulties with school or life and needed support with the project, it was important these needs were communicated. This included team members being sick or facing other difficulties that made it difficult to finish user stories so other team members could help support completion. This communication was key in successfully completing the project on time.

2. *Actively Contributing in Stand-Up Meetings*

   We began talking as a group, with more involvement in stand-up meetings. This helped to keep people on track and know what stage of completion each team member was in. During this project many of us have become friends. Even though it was great team building, we decided to make sure we socialized enough before and after labs to support completion and production during labs.

3. *Determining Formatting Guidelines*

   Converting the string to a date object was a small issue we faced during iteration 3 because of date formatting inconsistencies creating errors. Deciding to change and use dates as "MM-DD-YYYY" fixed the problem and allowed us to fix this bug.

4. *Merging User Stories*

   User stories 9 and 10 were merged into user story 9/10. This allowed for the main goal of the user stories to be accomplished without creating extra code or tasks.

5. *Determining a Time Each Day to Check Discord and Enabling Notifications*

   Due to inconsistencies checking discord we made sure to set an expectation that each team member checked discord at least once a day. For some team members this meant committing to a certain time each a day to check discord, for example checking it every day at 2:00pm. Team members also downloaded the discord mobile app and enabled notifications to make it easier for them to be reached about time pressing issues.

6. *Following the Timeline*

   To make sure all user stories were complete on time and didn't create blockage we made sure to follow a strict timeline. This allowed the potential issues around user story dependencies to be mitigated. Throughout this process our group has learned to talk to each other about our schedules and plan pair rotations around who will be available to meet up. This allowed for pair programming to be accomplished and contributed to success in our project.

Future Goals

This project was a great learning experience for the entire team. Although all of us have been part of group projects in Computer Science in the past, this has been a new and challenging experience. The main challenge was that we were working with such a large team who each had important things going on in their own lives. We also were expected to follow an agile method and the software principles and practices we learned in class to implement this project. Finally, this project was divided into three iteration over an extended period. All three of these factors combined for a great learning opportunity in how to work in a team, how to produce good quality code and how to manage a client project from start to finish. In terms of updating the code if there were to be future iterations, we have a few ideas. Looking at the freeze feature, it would be nice to have an unfreeze ability where polls could be reopened. Furthermore, we had also wanted to implement a society feature for grouping polls together so users could subscribe to societies they want to participate in. Overall this was a great project to work on.

Links

GitHub Repository Link: https://git.cs.dal.ca/alammori/project

Continuous Integration (CI) Link: https://git.cs.dal.ca/alammori/project/pipelines