# CSCI 3130

## Project Iteration One Report

### Group 6

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# Iteration Plan

## User Stories & Acceptance Tests

### *User Story 1:*

| | |
|---|---|
| ID | US #1 |
| AS A/AN | Admin |
| I WANT TO | Be able to create an election ballot with one or more questions. |
| SO | I can have information about special topics. |

### *Acceptance Test – User Story 1:*

| | |
|---|---|
| **ID** | AT: 1.1 |
| **Given** | We are on the main page of the app |
| **When** | We choose to create an election ballot |
| **Then** | The election ballot page will come up so we can create the questions we want and then press the finish button and the election should be created. |

### *User Story 3:*

| | |
|---|---|
| ID | US #3 |
| AS A/AN | Admin |
| I WANT TO | Freeze the election whenever I want. |
| SO | I can stop it at a specific time. |

*Acceptance Tests – User Story 3:*

| | |
|---|---|
| **ID** | AT: 3.1 |
| **Given** | The election tab |
| **When** | After we choose the election we want and press the freeze button |
| **Then** | Check that no one can vote on the election |

| | |
|---|---|
| **ID** | AT: 3.2 |
| **Given** | The election tab |
| **When** | After we choose the election we want and press the freeze button (An election that we already froze before) |
| **Then** | Check that nothing has changed |

*User Story 18:*

| | |
|---|---|
| ID | US #18 |
| AS A/AN | Admin |
| I WANT TO | Be able to set an open date for each election |
| SO | I can choose when students can start voting. |

*Acceptance Tests – User Story 18:*

| | |
|---|---|
| **ID** | AT: 18.1 |
| **Given** | At the election tab/page |
| **When** | We click the “edit open date” and after filling the date and pressing done for a new election object |
| **Then** | Check the database that the open date matches the one we entered. |

| | |
|---|---|
| **ID** | AT: 18.2 |
| **Given** | At the setting the date page. |
| **When** | We create a new election and enter a date that has already passed and press the done button. |
| **Then** | Give an error and stay on the same page.. |

| | |
|---|---|
| **ID** | AT: 18.3 |
| **Given** | At the election tab/page |
| **When** | We click the “edit open date” - we choose one that has already been set before. |
| **Then** | Check the database that the open date matches the one we entered. |

*User Story 20:*

| | |
|---|---|
| ID | US #20 |
| AS A/AN | Student |
| I WANT TO | be able to vote on polls |
| 0SO | I can cast my ballot as I intend. |

*Acceptance Tests – User Story 20:*

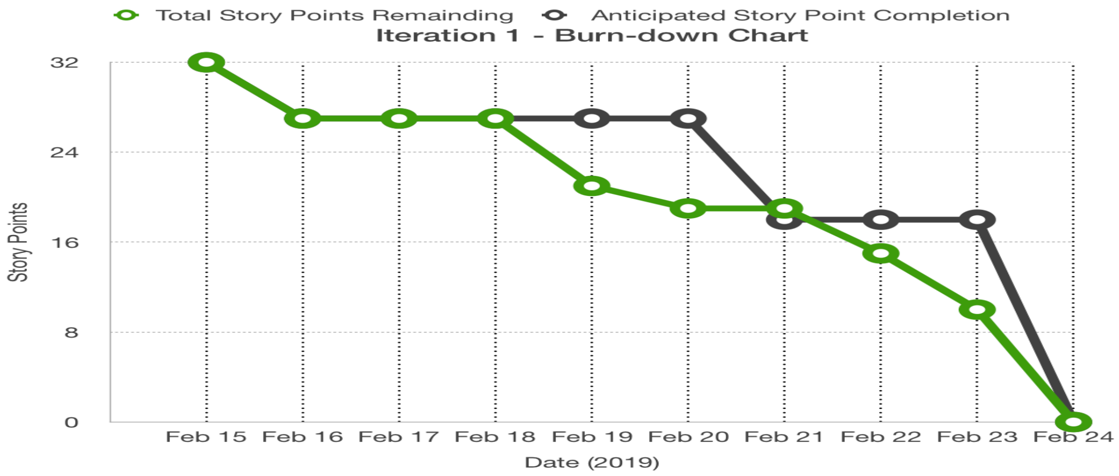
| | |
|---|---|
| **ID** | AT: 20.1 |
| **Given** | We are at the last page of the election |
| **When** | After we enter the finish button |
| **Then** | Check the database that the votes incremented by one and the choices are incremented too. |

## Tasks

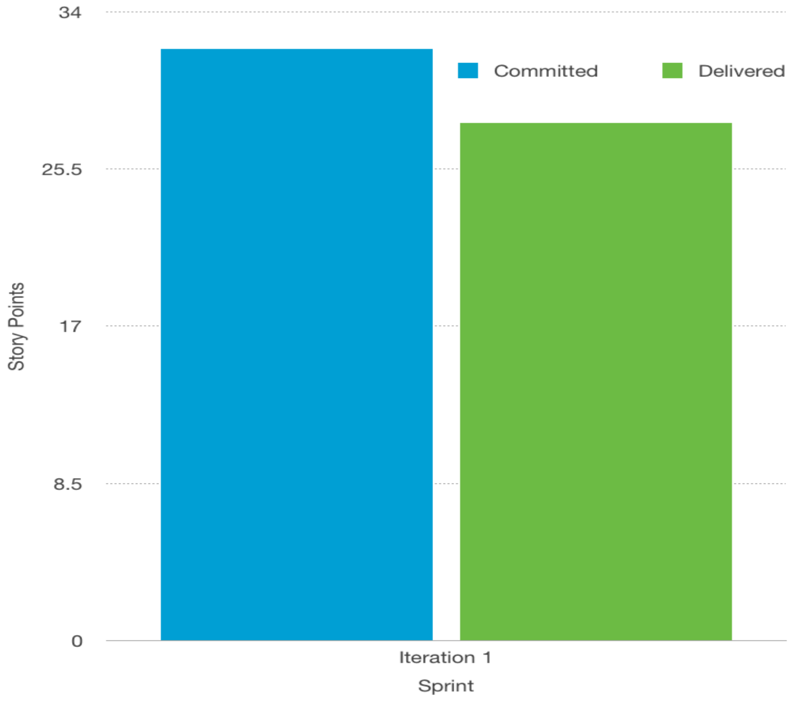
| User Story | Task(s) | Estimate | Dev. Pair | Start | Expected | Status |
|---|---|---|---|---|---|---|
| US 1 | Create election ballot with questions | 9 | Aisha + Sydney<br>Sean + Liam | Feb. 4 | Feb. 25 | Completed |
| US 3 | Freeze the poll | 6 | Hibah + Aisha | Feb. 13 | Feb. 25 | Completed |
| US 18 | Set election open date | 6 | Hibah + Amy | Feb. 17 | Feb. 25 | Completed |
| US 20 | Vote in poll | 12 | Alec + Joy<br>Amy + Liam | Feb. 10 | Feb. 25 | Completed |
| US 17 | Sent poll end date | 6 | Amy + Hibah | Feb. 4 | | Dropped |
| US 10 | Login | 9 | Sydney/Joy | Feb. 4 | | Dropped |
| US 9 | Login | 9 | Sydney/Joy | Feb. 4 | | Dropped |
| US 25 | Create societies | 9 | Amy/Liam | Feb. 4 | | Dropped |

# Progress Charts

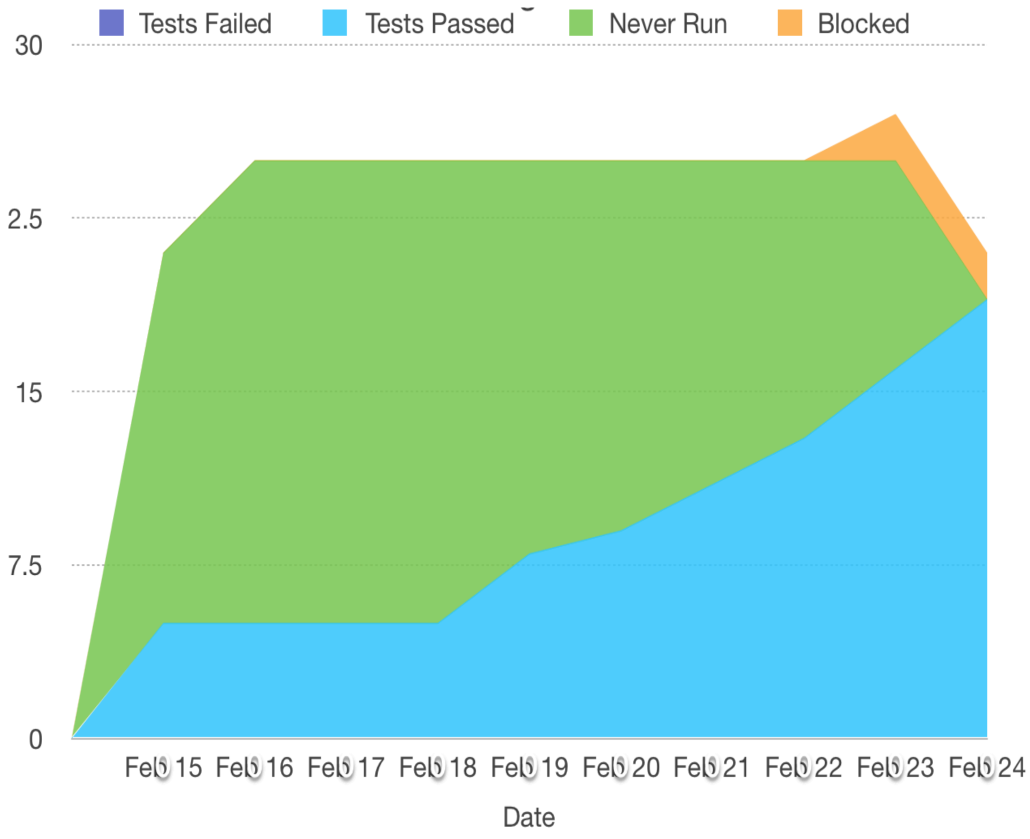
## Burndown Chart



## Velocity Chart



## Testing Chart



# Meeting Minutes

| | |
|---|---|
| Meeting ID | 1. |
| Date | Feb 6, 2019 |
| Who was present | Everyone. |
| Previous pairs | NA |
| Next pairs + work to do | Alec & Sean (create the election and end date for the election), Amy & Liam (Create societies), Sydney & Joy (log in), Aisha & Hibah (set open and student voting system) |
| Time worked (Start – End) | 4:12 – 5:25 |
| Notes | We had our stand-up meeting and finished the user stories and set the confidence and points for each one. |

| | |
|---|---|
| Meeting ID | 2. |
| Date | Feb 8, 2019 |
| Who was present | Sean, Amy, Hibah, Sydney and Aisha. |
| Previous pairs | Alec & Sean (create the election and end date for the election), Amy & Liam (Create societies), Sydney & Joy (log in), Aisha & Hibah (set open and student voting system) |
| Next pairs + work to do | Same. Each group will do the acceptance tests for the user story they have and break it into tasks. |
| Time worked (Start – End) | 4:12 – 5:25 |
| Notes | We had our stand-up meeting, and we will be doing user stories: 17, 10, 9, 25, 3, 18, 20, 1 |

| | |
|---|---|
| Meeting ID | 3. |
| Date | Feb 15, 2019 |
| Who was present | Everyone except Aisha, and Alec. |
| Previous pairs | Alec & Sean, Amy & Liam, Sydney & Joy, Aisha & Hibah |
| Next pairs + work to do | Sean & Liam (create the ballot, and the java interface), Amy & Hibah (Android UI, open date, close date, create the CI), Sydney & Aisha, Alec & Joy (Worked on the student voting user story, and worked on the report) |
| Time worked (Start – End) | 4:10 - 5:25 |
| Notes | We had our stand-up meeting, and we dropped the following user stories: 10, 9 (they are the same one), 25, 17 |

| | |
|---|---|
| Meeting ID | 4. |
| Date | Feb 26, 2019 |
| Who was present | Everyone (Sydney through discord) except Joy, and Alec (Was stuck in a Toronto airport). |
| Previous pairs | Liam & Sean, Amy & Hibah, Sydney & Aisha, Joy & Alec |
| Next pairs + work to do | |
| Time worked (Start – End) | 4:00 - 5:00 |
| Notes | We merged the branches and decided what to do with the report. We also discussed our weaknesses to avoid in the next iteration. |

# Post-Mortem Review

## Issues with Development

1. *Busy with Midterms/Assignments*

   We found that our team members were busy with midterms and deadlines in the time of this iteration. It was hard to find times when pairs were able to get together and use paired programming to work on the assignment as people were busy in different times.

2. *Structuring Election Object*
   When developing the Election object, we had to decide how to structure it in a way that can allow multiple questions that may have multiple options to choose. Originally, we created a HashMap with a key as the election title and the value was another HashMap. This second HashMap would have a key that contained the questions and the values would be the options for the question. We decided this was a bit messy and could lead to confusion.

3. *Ordering User Stories*
   Another issues we ran into this iteration was the way we divided up and worked on user stories. We decided at the first meeting which pairs would work on what user story. However, we forgot to take in to account that some user stories depended on the completion of another user story before that pair could work on it. This meant that team that got together had to reschedule as the code they required had yet to be worked on by another pair.

## Solutions

1. *Utilize Lab Times*

   We decide that we would better utilize the lab times in order to work on the project. This way we could ensure that all pairs are working on their code since everyone has to be available at the same time as it was our mandatory lab time.

2. *ArrayList*
   We decided to create a Question object that would hold the question itself as a string and the options as an ArrayList, also allowing us to create an ArrayList for the votes that have corresponding indices with the question's options. The Question object would then be stored in an ArrayList within the Election object.

3. *User Story Timeline*

   In order to avoid this issue, we had to go back and coordinate the user stories and better understand who is doing what. That way we were able to communicate with the other pairs working on the project as needed to ensure that code that had to come first would be worked on earlier.

### Goals for Upcoming Iterations

This iteration was definitely a learning curve for all of us. Most of our team members have never worked on a project with this many other people. There was, therefore, a lot of extra care that needed to be put into the project. For the next iteration, we are hoping to better communication with team, so everyone knows what is going on. This is why the stand-up meetings are key, but also it is important that everyone stay up to date with our Discord chat. Our second goal is to better manage our time. Due to the fact that we have to do paired programming, we must find times that work for everyone. If we better manage our time, we are more likely to have times we can get together. Finally, we plan to do the bulk of our work during the lab times. This way we can all communicate and ask questions within the lab and work with our partner as well as the other team members to get the project moving.

## Links

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

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