



Imperium

Team 15

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Sprint Overview

This sprint we will begin to implement features more specifically related to our desired end product. This means features directly related to students looking for jobs and recruiters posting jobs. On top of that we will be putting in a lot of work to make sure that our app is as stable and predictable as possible for the best possible UX experience.

Scrum Master

Anthony Popilov

Meeting Schedule

Weekly meetings on Monday @6pm as well as Thursday @6pm.

Risks and Challenges

In this sprint we will see if the foundation we laid in the previous sprint is designed well enough to extend to the use cases of our web app. If we find that it is lacking in some areas, that will create extra work for us to extend the functionality to encapsulate those areas.

Current Sprint Detail

User Story 1

I would like to upload my resume so that companies can learn more about me

| Description | Assignee | Work Estimate |
|---|----------|---------------|
| Create view to accept resume uploads | Jacob | 3 hours |
| Create handler for resume uploads in the backend | Jeremy | 4 hours |
| Create logic to store uploaded resumes in Firebase | CJ | 2 hours |
| Write tests to ensure the upload resume handler functions correctly | Peter | 3 hours |

Acceptance Criteria

- Given that the logic to upload resumes is implemented correctly, when a user attempts to upload a resume, then that resume should show up in their preferences view.
- Given that the logic to upload resumes is implemented correctly, when a user attempts to upload a resume that is not a PDF, then they shouldn't be allowed to upload that resume.
- Given that the logic to upload resumes is implemented correctly, when a user uploads their resume, then recruiters who view their account should be able to view their resume.

User Story 2

As a user, I would like to upload a photo of myself/my company so that companies can see more about me.

| Description | Assignee | Work Estimate |
|--|---------------|---------------|
| Create view to accept pictures via Camera or uploading from the user's computer. | Jacob/Anthony | 2 |
| Create handler for photos in the backend | CJ | 2 |
| Create logic to store uploaded photos in Firebase | Jeremy | 2 |
| Create view to see/update uploaded photo | Anthony | 3 |
| Write tests to ensure that the photo was successfully updated | Peter | 2 |

Acceptance Criteria

- Given that the photo upload logic is implemented correctly, a user will be able to upload a photo from their camera as well as computer.
- Given that the photo upload logic is implemented correctly, once a user has uploaded a photo, they will be able to view this photo in an enlarged view.
- Given that the photo upload logic is implemented correctly, a user will be able to update their photo to a new version via changing their preferences.

User Story 3

I would like to view student profiles so that I can get a better understanding of a student

| Description | Assignee | Work Estimate |
|--|------------|---------------|
| Create view for viewing student profiles | Jacob/Anth | 6 hours |

| | | |
|--|--------|---------|
| | ony | |
| Write handler for retrieving data for student view to use | CJ | 3 hours |
| Write logic to retrieve student data from firebase | Jeremy | 3 hours |
| Write tests to ensure retrieving student works and doesn't send sensitive data | Peter | 6 hours |

Acceptance Criteria

- Given that the view student logic is implemented correctly, when an employer views a student, they should only receive publicly available information, and not private data such as the hashed password.
- Given that the view student logic is implemented correctly, when a student updates their account, an employer should be able to view that updated information after refreshing the page.
- Given that the view student logic is implemented correctly, a viewer should not be able to edit or alter any of the student's profile/data.

User Story 3.5 -

I would like to be able to sign up as an employer with a criteria instead of bio.

| Description | Assignee | Work Estimate |
|---|---------------|---------------|
| Create view for signing up as an employer | Jacob/Anthony | 1.5 hours |
| Update handler to store employer data in firebase | Jeremy | 1 hours |
| Update logic to retrieve employer data from firebase | CJ | 2 hours |
| Add a list for employer's criteria and which major they are primarily seeking to employ | Jacob/Anthony | 1.5 hours |
| Write tests to ensure successful signup as employer | Peter | 2 hours |

Acceptance Criteria

- Given that the employer sign up logic is implemented correctly, an employer should be able to sign up for Imperium.
- Given that the employer sign up logic is implemented correctly, an employer will be able to sign out, delete account, and edit their preferences with Imperium
- Given that the employer sign up logic is implemented correctly, an employer should be able to successfully edit their criteria as well as college/major preferences.

User Story 4

I would like to be able to view employer profiles so that I can see which companies are hiring and what their preferences are

| Description | Assignee | Work Estimate |
|---|---------------|---------------|
| Create view for viewing employers profiles | Anthony/Jacob | 4 hours |
| Write handler for retrieving data for employers view to use | CJ | 3 hours |
| Write logic to retrieve employer data from firebase | Jeremy | 2 hours |
| Write tests to ensure retrieving employer works and doesn't send sensitive data | Peter | 5 hours |

Acceptance Criteria

- Given that the view employer logic is implemented correctly, when a student views an employer, they should only receive publicly available information, and not secure data such as the hashed password.
- Given that the view employer logic is implemented correctly, when an employer updates their account, a student should be able to view that updated information after refreshing the page.
- Given that the view student logic is implemented correctly, a viewer should not be able to edit or alter any of the student's profile/data.

User Story 5

I would like to create job specific preferences about what I want so that companies can more effectively find me

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add to the account view options for requested wage, full or part time, and start and end dates | Jacob | 2 hours |
| Write a handler for retrieving data for the new options | CJ | 3 hours |
| Add logic to receive more options in the firebase | Jeremy | 2 hours |
| Write tests to ensure the options are updated correctly in the database | Peter | 2 hours |

Acceptance Criteria

- Given that the preferences logic is implemented correctly, a student will be able to add in preferences such as wage, what kind of job they're seeking, and the time period in which they are looking to be employed
- Given that the preferences logic is implemented correctly, a student will be able to update their preferences which will be properly saved in the database.
- Given that the preferences logic is implemented, correctly, when a student tries to update their bio to an empty string, it should remain unchanged.
- Given that the update preferences logic is implemented correctly, when a student signs up they should be able to update preferences on the account view

User Story 6

I would like to specify a radius of where I am interested in having a job

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add an option where the user can select which regions they would like to look for jobs | Jacob | 2 hours |
| Write a handler for retrieving data for the regions | Jeremy | 3 hours |
| Write logic to receive regions in the firebase | CJ | 2 hours |
| Write tests to ensure the region is correctly stored in the database | Peter | 2 hours |

Acceptance Criteria

- Given that the location logic is implemented successfully, a student will be able to select where they would like to search for employment.
- Given that the location logic is implemented successfully, a student will be able to update their location preferences which will properly be stored in the database.
- Given that the location logic is implemented successfully, a student will receive an error message when improperly setting their location preferences.

User Story 7

I would like to specify whether I want a job, internship, or co-op

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add an option where the employer can specify whether they want a job, internship, or co-op | Jacob | 2 hours |

| | | |
|---|--------|---------|
| Write a handler for storing the type of job | Jeremy | 3 hours |
| Write logic to store type of job in the firebase | CJ | 2 hours |
| Write tests to ensure the type of job is correctly stored in the database | Peter | 2 hours |

Acceptance Criteria

- Given that the job preference logic is implemented successfully, a student will be able to select what kind of employment they are looking for.
- Given that the job preference logic is implemented successfully, a student will be able to update their job preferences which will properly be stored in the database.
- Given that the job preference logic is implemented successfully, a student will receive an error message when improperly setting their job preferences.

User Story 8

I would like to specify that I am interested in jobs for more than 1 major

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add an option where the student can specify which major they are | Jacob | 2 hours |
| Add an option where students can specify which minor they are | CJ | 2 hours |
| Add on the view a button that will allow the user to add more than one major or minor if necessary | CJ | 2 hours |
| Write a handler for storing majors and minors | Jeremy | 3 hours |
| Write logic to store majors and minors to firebase | Anthony | 2 hours |
| Write tests to ensure the majors and minors are successfully added in the database | Peter | 2 hours |

Acceptance Criteria

- Given that the major setting logic is implemented correctly, a student will be able to add one or more majors and minors they have obtained or are pursuing.
- Given that the major setting logic is implemented correctly, a student will be able to remove minors and majors once they have been added. Empty majors/minors cannot be set as well.

- Given that the major setting logic is implemented correctly, the majors/minors will be stored in the database

User Story 9

I would like to be able to like employers that I'm interested in so that I can show interest in those employers

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add to the home page view a photo of the company as well as basic information from their bio | Jacob | 2 hours |
| Create buttons to either like or dislike | Jacob | 2 hours |
| After liking or disliking have the next company card show up | Jacob | 2 hours |
| Write a handler for storing the like or dislike on the employer | Jeremy | 3 hours |
| Write logic to store the like or dislike from firebase | Jeremy | 2 hours |
| Write tests to ensure the process of liking or disliking is executed correctly | Peter | 4 hours |

Acceptance Criteria

- Given that the student interest logic is implemented correctly, a student will be able to like or dislike various companies they are searching amidst.
- Given that the student interest logic is implemented correctly, a student will be able to see which companies they have disliked or liked.
- Given that the student interest logic is implemented correctly, after a student likes or dislikes a company, the next company in the stack will show up.

User Story 10

I would like to 'favorite' up to 3 companies to show that I am extra interested

| Description | Assignee | Work Estimate |
|--|----------|---------------|
| Add a button where a user can favorite a company | Anthony | 1 hour |
| Write logic to keep track that only 3 companies may be favorited at a time | CJ | 3 hour |
| Write logic to store that an employer has been favorited to firebase | Jeremy | 2 hours |

| | | |
|--|-------|---------|
| Add an option to remove favorites | CJ | 2 hour |
| Write tests to ensure that the process of favoriting is executed correctly | Peter | 3 hours |

Acceptance Criteria

- Given that the favorited logic is implemented correctly, a user should only be able to favorite 3 companies
- Given that the favorited logic is implemented correctly, a user should be able to unfavorite a company
- Given that the favorited logic is implemented correctly, companies should not be able to favorite students.

User Story 11

I would like to unmatched with an employer so that I can adjust my interests over time

| Description | Assignee | Work Estimate |
|---|----------|---------------|
| Add a button where students can unmatched with employers | Jacob | 1 hour |
| Write a handler for updating the matched status | CJ | 2 hours |
| Write logic that will update the match in the firebase | Jeremy | 3 hours |
| Write test cases that will make sure users are successfully unmatched | Peter | 2 hours |

Acceptance Criteria

- Given that the frontend logic is implemented correctly, an unmatched button will be displayed when looking at matched companies as a student.
- Given that the button logic is implemented correctly, unmatched from a company will remove it from the student's matched list.
- Given that the unmatched logic is implemented correctly, Firebase will update unmatched pairs.

User Story 12

As an employer I would like to create a bio for the specific job/internship

| Description | Assignee | Work Estimate |
|---|----------|---------------|
| Add a text box on the sign up page for the company to | Jacob | 1 hours |

| | | |
|--|---------|---------|
| describe the position which they are advertising | | |
| Write a handler for storing the bio of the position | Jeremy | 2 hours |
| Write logic to store the bio from firebase | CJ | 3 hours |
| Write test cases to ensure that the process of creating a position bio is executed correctly | Anthony | 2 hours |

Acceptance Criteria

- Given that the frontend is implemented correctly, the bio will be passed to the backend without error.
- Given that the bio of the position is implemented correctly, the company would be able to store the bio of a job.

User Story 13

I would like to be able to like students that I'm interested so that we can begin to build a professional relationship

| Description | Assignee | Work Estimate |
|---|----------|---------------|
| Add to the home page view a photo of students as well as basic information from their bio | Jacob | 2 hours |
| Create buttons to either like or dislike | Jacob | 2 hours |
| After liking or disliking have the next student card show up | Jacob | 2 hours |
| Write a handler for storing the like or dislike on the student | Jeremy | 3 hours |
| Write logic to receive the like or dislike from firebase | Jeremy | 2 hours |
| Write tests to ensure the process of liking or disliking is executed correctly | Anthony | 4 hours |

Acceptance Criteria

- Given that the employer interest logic is implemented correctly, a student will be able to like or dislike the students they are searching among.
- Given that the employer interest logic is implemented correctly, an employer will be able to see which students they have disliked or liked.
- Given that the student interest logic is implemented correctly, after an employer likes or dislikes a student, the next student in the stack will show up.

Remaining Backlog

Functional Requirements

1. User Account

As a user,

- ~~a. I would like to be able to create an account for Imperium so that I can find a job or so that I can recruit~~
- ~~b. I would like to be able to login and manage my Imperium account so that I can use Imperium as effectively as possible~~
- ~~c. I would like to be able to reset my password if I forget it so that I won't be locked out of my Imperium account~~
- ~~d. I would like to upload a photo of myself/my company so that companies can see more about me~~
- ~~e. I would like to logout of my account so that others cannot potentially hijack my account~~
- ~~f. I would like to delete my account so that I can no longer be associated with the service~~
- ~~g. I would like to have the option to remember my email for easier login~~

2. Student Account

As a student,

- ~~a. I would like to upload my resume so that companies can learn more about me~~
- ~~b. I would like to create a bio about myself so that companies can quickly understand who I am~~
- ~~c. I would like to create job specific preferences about what I want so that companies can more effectively find me~~
- ~~d. I would like to filter companies based on job listings~~
- ~~e. I would like to specify a radius of where I am interested in having a job~~
- ~~f. I would like to specify whether I want a job, internship, or co-op~~
- ~~g. I would like to specify that I am interested in jobs for more than 1 major~~

3. Employer Account

As an employer

- ~~a. I would like to have a main page for my company if time allows~~
- ~~b. I would like to create sub groups for specific majors that I am interested in so that I can more effectively find potential employees if time allows~~
- ~~c. I would like to create a bio for the specific job/internship~~

4. Student Actions

As a student,

- a. ~~I would like to be able to view employer profiles so that I can see what companies are hiring~~
 - b. ~~I would like to be able to like employers that I'm interested in so that I can show interest in those employers~~
 - c. I would like to chat with employers who I have matched with so that I can talk to companies where there is a mutual interest
 - d. ~~I would like to 'favorite' up to 3 companies to show that I am extra interested~~
 - e. ~~I would like to unmatched with an employer so that I can adjust my interests over time~~
 - f. I would like to view a history of past matches of employers
 - g. I would like to "match" with an employer who has viewed my profile
 - h. I would like to send a calendar that has all my availability windows in the chat
 - i. I would like to be able to see when an employer has favorited me
5. Employer Actions
- As an employer,
- a. I would only want to give certain people access to certain sub groups that they are in charge of if time allows
 - b. I would like to be able to navigate between subgroups if time allows
 - c. I would like to search through students in specified subgroups if time allows
 - d. I would like to "match" with a student who has viewed my profile
 - e. ~~I would like to view student profiles so that I can get a better understanding of a student~~
 - f. ~~I would like to be able to like students that I'm interested so that we can begin to build a professional relationship~~
 - g. I would like to chat with students I've matched with so that I can find employees to hire
 - h. I would like a history of past students I matched with
 - i. I would like to easily schedule interviews with matched students so that I can continue the relationship past our initial meeting
 - j. I would like to unmatched with a student so that I can better keep track of students I'm interested in
 - k. I would like to hide my profile from students for when positions are full
 - l. I would like to be able to see when a student has favorited me
 - m. I would like to remove job listings if the position has been filled
6. Notifications
- As a user,
- a. I would like to get desktop notifications when i get matched or have new messages if time allows
 - b. I would like to receive email notifications that can give me updates about my profile if time allows
 - c. I would like to receive a notification when another user favorites me
 - d. I would like to disable certain notifications as I please if time allows

Non Functional Requirements

1. Performance

As a developer

- a. I would like the website to support thousands of users
- b. I would like the website to act fast between pages and have communication be instant
- c. I would like the website to be bug free so that users are not inconvenienced with crashes

2. Server

As a developer

- a. I would like the application to support real time server client communication
- b. I would like the application to store X students and X employers in the database
- c. I would like the application to interface swiftly between Firebase and Google Cloud
- d. I would like the application to be able to store both employer and student data.

3. Appearance

As a developer

- a. I would like the website to look visually appealing and aesthetically pleasing
- b. I would like the user to be able to switch over to a night theme if time allows

4. Security

As a developer

- a. I would like to verify that they applicant is a valid employer to avoid fake people from creating employer accounts
- b. I would like to limit one account per email to help avoid one person creating multiple accounts if time allows
- c. I would like the password to be hidden when typing it in for login
- d. I would like passwords to be at least longer than 7 characters and contain a number to ensure that user accounts are secure

5. Usability

As a developer

- a. I would like to access Imperium on any device regardless of size or resolution so that I don't need a desktop to use our product
- b. I would like to be able to easily navigate through the website so that I can efficiently find jobs or potential employees