Imperium

Team 15

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User Story 1

As an employer I would like a history of past actions (like/dislike/favorite) I've performed on students

Description	Assignee	Work Estimate
Add history to hamburger menu	Jacob	1 hour
Update action handlers to set history in database	CJ	2 hours
Add view that shows history to user	CJ	4 hours
Write tests to ensure history is correctly stored for liking/disliking/favoriting	Peter	3 hours

Acceptance Criteria

- Given that the history option is added to the hamburger menu, when a user clicks the history option, they will be taken to the history view.
- Given that the history view is implemented correctly, when a user is on the history view, they will be able to view their likes/dislikes.
- Given that the history view is implemented correctly, when a user is on the history view, they will only be able to view their own history and not another users.

User Story 2

As a student I would like a history of past actions (like/dislike/favorite) I've performed on employers

Description	Assignee	Work Estimate
Update student handlers to add action history to database	Anthony	2 hours
Update history view for user specific actions (for example, favoriting)	Anthony	2 hours
Write tests to ensure favoriting is recorded correctly	Peter	1 hour

Acceptance Criteria

- Given that the history view is implemented correctly, when a user is on the history view, they will be able to view their previous likes/dislikes.
- Given that the history view is implemented correctly, when a user is on the history view, they will only be able to view their own history and not another users.

- Given that the history view is implemented correctly, when a student is on the history view, they will be able to view their favorites.

User Story 3
I would like to chat with students I've matched with so that I can find employees to hire

Description	Assignee	Work Estimate
Add chat option to matches page	Anthony	1 hr
Create chatting view	Jacob	5 hours
Write frontend logic to send/receive messages to/from the backend	CJ	6 hours
Write backend logic to store/send chat messages	Jeremy	4 hours
Write tests to ensure messages are sent and received correctly	Peter	3 hours

Acceptance Criteria
- Given that the chat view is implemented correctly, when a user chats with another user, they should see their previous messages if there are any
- Given that the chat backend is implemented correctly, when either user exits a chat, then their messages should persist in the database
- Given that the chat backend is implemented correctly, when user enters a chat, they should only be able to do that with a user of the persona opposite of their own (e.g., employer->user)

User Story 4
I would like to hide my profile from other users when I am no longer seeking employment/employees

Description	Assignee	Work Estimate
Add a checkbox to the options page for allowing you to hide your profile	Anthony	1 hour
Create handler for hiding accounts in the backend	Jeremy	2 hours
Write backend logic to store that an account is hidden	Jeremy	3 hours
Write tests to ensure the account is hidden	Peter	3 hours

Acceptance Criteria

- Given that the checkbox is implemented correctly, it will appear on the preferences page of a logged in user.
- Given that the logic for hiding a profile is implemented correctly, profiles with hiding enabled will not appear for other users.
- Given that the logic for hiding a profile is implemented correctly, unchecking the box on the options page will allow the profile to be seen by others users again.

User Story 5

I would like to easily schedule interviews with matched students so that I can continue the relationship past our initial meeting

Description	Assignee	Work Estimate
Create button and view on chat view for interviewers to create calendar events	Anthony	3 hour
Write javascript code that generates files for students to automatically add the interview events to their calendar	Anthony	6 hours
Write tests to ensure that the created calendar events match with their expected values	Peter	3 hours

Acceptance Criteria
- Given that the interview invite view is implemented correctly, when a student is on the chat view, they should not see the interview invite view.
- Given that the interview invite view is implemented correctly, when an employer clicks the interview invite button, they should be able to adjust the parameters of the interview (for example: date, location, duration).
- Given that the interview invite calendar event generator is implemented correctly, when an interview invite is made, then that invite should be easily addable to a users calendar.

User Story 6

As an employer I would like to be able to see when a student has favorited me

Description	Assignee	Work Estimate
Have an indicator on a student card when a student has favorited the user	Jacob	1 hour
Write a handler for showing being favorited in the backend	Jeremy	2 hours
Write backend logic to display on cards that a user has favorited a company	Jeremy	3 hours

Create tests to ensure that an employer can successfully see that a student has favorited them	Anthony	3 hours

Acceptance Criteria
- Given that the student-favorited logic is implemented correctly, an employer will be able to see that a student has favorited the company profile.
- Given that the student-favorited logic is implemented correctly, the employer will be able to like or dislike the student's profile after having seen the favorite tag.
- Given that the student-favorited logic is implemented correctly, the employer will be able to see if only the current student has favorited the company or not.

User Story 7

I would like to receive email notifications that can give me updates about my profile if time allows

Description	Assignee	Work Estimate
The user will get a email notification when they get a match and or a chat message	Jacob	1 hour
Create handler for email notifications in the backend	Jeremy	2 hour
Write backend logic to send email notifications when necessary	Jeremy	4 hour
Write test cases that properly ensure the user was notified via email	Peter	2 hour

Acceptance Criteria
- Given that email notifications are implemented correctly, a user should get an email to their account that they signed up with
- Given that email notifications are implemented correctly, a user will only get notifications about chat updates or match updates
- Given that email notifications are implemented correctly, the backend will store whether the user should be getting email notifications or not

User Story 8

I would like to get desktop notifications when i get matched or have new messages if time allows

Description	Assignee	Work Estimate
Update react app to allow for showing notifications	Jacob	3 hour

Create handler for desktop notifications in the backend	Anthony	2 hours
Write backend logic to send desktop notifications when necessary	Jeremy	3 hour
Write test cases that properly ensure the user was notified via desktop notification	Peter	3 hours

Acceptance Criteria
- Given that desktop notifications are implemented correctly, when a user gets a notification, it should show up using the system/browsers notification API for better UX.
- Given that desktop notifications are implemented correctly, a user will only get notifications about chat updates or match updates
- Given that desktop notifications are implemented correctly, the frontend will store whether or not the user should be getting desktop notifications or not

User Story 9
I would like to disable certain notifications

Description	Assignee	Work Estimate
Add a checkbox to the preferences page that will let the user turn notifications on or off	Anthony	1 hour
Create handler for notifications being on or off in the backend	Jeremy	1 hour
Write backend logic to keep track of whether notifications are on or off (and act on that accordingly)	Jeremy	5 hours
Write test cases to ensure that a user gets notifications at based on their preference	Peter	3 hours

Acceptance Criteria
- Given that disabling notifications is implemented correctly, a user should be able to use a checkbox from the frontend preferences view to disable email notifications
- Given that disabling notifications is implemented correctly, when a user disables the notifications preference, they should no longer receive notifications
- Given that disabling notifications is implemented correctly, when a user disables then reenables notifications they should not receive notifications twice

User Story 10
I would like to receive a notification when another user favorites me

Description	Assignee	Work Estimate
The user will get a desktop notification when they get favorited	Anthony	3 hours
Create handler for favorite notifications	Jeremy	2 hours
Write backend logic to send favorite notifications when necessary	CJ	4 hours
Write test cases to ensure that a user gets favorite notifications	Peter	3 hours

Acceptance Criteria
- Given that favorite notifications are implemented correctly, a user should get a notification to their account that they signed up with
- Given that favorite notifications are implemented correctly, only employers should get notifications about favorites
- Given that email notifications are implemented correctly, the backend will store whether or not the user should be getting favorite notifications or not

User Story 11
I would like to have a main page for my company

Description	Assignee	Work Estimate
Add ability to navigate to and around a company's home page	Jacob	2 hour
Create frontend view to show company home and their job listings	Jacob	5 hours
Create a handler for retrieving home page data	CJ	3 hours
Write logic to display job postings	CJ	4 hours
Write tests to ensure that the company can successfully see all of their job postings	Peter	3 hours

Acceptance Criteria
- Given that the company main page is implemented correctly, the company upon signing in should be directed to the company home page, not the main page for viewing cards
- Given that the company main page is implemented correctly, they should be able to see all there job postings in a list
- Given that the company main page is implemented correctly, I should be able to navigate to it via the hamburger menu

User Story 12

I would like to create separate job postings so that I can more effectively find potential employees

Description	Assignee	Work Estimate
Have a button that will take you to a new page to create a new job posting	Jacob	1 hour
Create view for creating new job postings	CJ	4 hours
Write backend logic to create and store job postings	CJ	5 hours
Write tests to ensure that a company can successfully create job postings	Peter	3 hours

Acceptance Criteria
- Given that creating separate job postings is implemented correctly, there should be a button on the company main page to create job postings
- Given that creating separate job postings is implemented correctly, the user should be directed to a new page to fill out information regarding the job posting
- Given that creating separate job postings is implemented correctly, the job postings, and not the companies, should show up as cards for students

User Story 13

I would like to be able to navigate between my seperate job postings and search for students within those postings.

Description	Assignee	Work Estimate
Be able to navigate back to the company home page	Anthony	1 hours
Write frontend view to allow for searching for students within a job	Jacob	3 hours
Once a certain job profile has been selected, a user can go to the normal home page and see potential matches for that job	Jacob	4 hours
Write tests that ensure that a user can successfully navigate between job postings	Jacob	4 hours

Acceptance Criteria
- Given that navigation between job postings is implemented correctly, a user should be able to click on a job posting and be able to use actions such as liking for that job

posting
- Given that navigation between job postings is implemented correctly, a user should not be able to go to the searching page until they have selected a job posting
- Given that navigation between job postings is implemented correctly, a user should be able to select a different job posting and the settings and searching page should change based off of the selected job posting

Sprint 2 remaining tasks

User Story 11

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

Description	Assignee	Work Estimate
Write logic to keep track that only 3 companies may be favorited at a time	CJ	3 hour

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.

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 seperate job postings so that I can more effectively find potential employees~~
     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 unmatch with an employer so that I can adjust my interests over time~~
     f. As a student I would like a history of past actions (like/dislike/favorite) I've performed on 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 my seperate job postings and search for students in those postings

      c.   I would like to "match" with a student who has viewed my profile

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

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

      f. ~~I would like to chat with students I've matched with so that I can find employees to hire~~

      g. ~~As an employer I would like a history of past actions (like/dislike/favorite) I've performed on students~~

      h. ~~I would like to easily schedule interviews with matched students so that I can continue the relationship past our initial meeting~~

      i.   I would like to unmatch with a student so that I can better keep track of students I'm interested in

      j. ~~I would like to hide my profile from students for when positions are full~~

      k. ~~I would like to be able to see when a student has favorited me~~

      l.   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