

FilmedIn

Team 8 - Sprint 1 Planning Document

Shreya Shankar, Bhavana Kakubal, Parth Kenkere, Prashast Vaidya, Manu Aggarwal

Sprint Overview

For the first sprint, we want to be able to implement some of the most fundamental functionalities of our website. On the frontend front, we aim to design and create an interface to allow users to login to the website, and then be able to create student portfolios. They will enter information such as name, date of birth, location, age, gender, and upload their resume. Users will also be able to post available job opportunities with descriptions, time frame, required roles etc. On the backend front, we will write the database logic to implement these features.

Scrum Master: Parth Kenkere

Meeting Plan: Tuesdays/Thursdays during the scheduled CS 307 class (3:00 pm - 4:15 pm), and as when necessary.

Risks and Challenges:

As we are new to the software development process we will run into many challenges. We will particularly find starting the project the most difficult as we first need to learn new languages we plan to implement the web application in. We have also taken on a significantly large amount of work in this first sprint to enable us to implement the more difficult features in the sprints to come. Since we have planned that the frontend and the backend team will work simultaneously on the same section, neither team will have the other teams completed product to test theirs with. This will hinder our testing procedure and effectiveness.

Current Sprint Detail

Login Tasks

User Story #1 and #5

As a user, I would like to login to the website. **AND**

As a user, I would like the server to perform account verification during login

#	Task	Time Required	Team	Owner
1	Create a Database to store username and passwords	2	Backend	Parth
2	Identify the profile corresponding to login request and fetch and return the profile	2	Backend	Parth
3	Create an API endpoint for the user login	4	Backend	Manu
4	Setup a login verification system	4	Backend	Prashast
5	Create a login form (includes signup option) and its styling	3	Frontend	Shreya
6	Create a landing page for login and styling for it	3	Frontend	Shreya
7	Create a GET RESTful Api call to the backend for the login	2	Frontend	Bhavana

Acceptance Criteria:

- Given that the login verification system is implemented, the user should be able to type in their username and password and be granted access to the profile if the details are valid and exist in the database.
- Given that the profile identification is implemented, registered users should be granted access to their own profile and no one else's.
- Given that the login form and styling for the login page are implemented, users should be able to see an appealing login screen when they try to login.

User Story #2

As a user, I would like to reset my password (if forgotten) by sending an email to the user.

#	Task	Time	Team	Owner
1	Write API controller logic to handle "forgot password" requests	2	Backend	Parth
2	Update the User table with the new encrypted password	2	Backend	Parth
3	Validate email id entered by the user and send an error if invalid	2	Backend	Manu
4	Create a functionality that sends an email to the user showing steps to reset password (includes updating the database)	2	Backend	Manu
5	Create a clickable link for user to reset password which in turn calls the corresponding API	2	Frontend	Bhavana
6	Set up a Password Reset page	2	Frontend	Bhavana

Acceptance Criteria:

- Given that the password reset feature has been added, the user should receive an email containing instructions at the email address associated with their valid account when they click the forgot password link.
- Given that the user opts to reset their password, he or she should be redirected to a web page containing a form to enter in their new password.
- Given that the user enters in a new valid password, immediately update the database to reflect the change.

User Story #3 and #4

As a user, I would not like my password to be displayed when logging in. **AND**

As a user, I would want my password to be safely stored.

#	Task	Time	Team	Owner
1	Write logic for password encryption and decryption	5	Backend	Prashast
2	Hide the password characters when being typed	2	Frontend	Shreya

Acceptance Criteria:

- Given that the password hiding functionality is implemented, the user should not be able to read the password they are typing in the login screen.
- Given that the password encryption protocol is implemented, any alien entity should not be able to readily read the passwords stored in the database without having proper access.
- Given that the password decryption functionality is implemented, the user should be able to login successfully after entering their correct password, and this string should be translated into the encrypted version in the database.

User Profile Tasks

User Story #6

As a job seeker, I would like to create a profile.

#	Task	Time	Team	Owner
1	Implement the database schema in MongoDB	5	Backend	Parth
2	Implement functionality such that the user is identified as a Job Seeker or Admin	2	Backend	Manu
3	Write the API controller for User profile	5	Backend	Prashast
4	Create a User profile page	6	Frontend	Bhavana
5	Create navigation between pages	3	Frontend	Shreya

Acceptance Criteria:

- Given that the database schema is implemented, the user's profile data should be successfully stored in the database for future retrieval.
- Given that the creating a user profile page is implemented, the user should be able to view his or her profile on the website on request.
- Given that the navigation between pages functionality is implemented, the user should be able to switch between viewing their profile and other pages of the website.

User Story #7

As a user, I would like the option to edit my profile.

#	Task	Time	Team	Owner
1	Edit user details in the database accordingly	3	Backend	Manu
2	Create a drop down menu with the different profiling options	1	Frontend	Bhavana
3	Create an edit button that converts the profile to an edit mode	4	Frontend	Shreya

Acceptance Criteria:

- Given that the drop down menu is implemented, the user viewing their own profile should be able to hide their information.
- Given that the drop down menu is implemented, the user viewing someone else's profile should be able to report the respective user.
- Given that the edit button is implemented, the user should be able to change his/her profile details such as email address, username, etc in the edit mode.
- Given that the edit mode is implemented, upon saving the edited changes, the user should be able to instantly view the changes he/she just made.

Job Posting Tasks

User Story #8

As a user, I would like to post a job opportunity and provide a brief description of the role that is required, and the production

#	Task	Time	Team	Owner
1	Create Job related tables in the database	3	Backend	Prashast
2	Create a functionality such that user gets to make a new Job posting	5	Backend	Manu
3	Create the Web API endpoint for getting the details for job postings	5	Backend	Parth
4	Make POST call to the API for entering the job posting details in the database	2	Frontend	Bhavana
5	Set up a Post Job page	6	Frontend	Shreya
6	Set up a Post Preview System	4	Frontend	Bhavana

Acceptance Criteria:

- Given that the Job Posting pages are implemented, a user can create a job posting.
- Given that the Job Posting pages are implemented, all users can view the different jobs that have been posted.
- Given that the Job Posting pages are implemented, the users can apply to the jobs posted by other users.

Searching Tasks

User Story #9

As a job seeker, I would like to search through all the jobs/opportunities posted.

#	Task	Time	Team	Owner
1	Create filtering/search logic for job opportunities	4	Backend	Prashast
2	Query the database to search according to conditions	2	Backend	Parth
3	Return the result for the search through the API endpoint	2	Backend	Manu
4	Create a search option where the user can select/filter according to different criteria	4	Frontend	Bhavana
5	Call and get the results of the search from the API endpoint	2	Frontend	Shreya
6	Display the results for the given search filters	4	Frontend	Shreya

Acceptance Criteria:

- Given that the job search has been implemented, a user should be able to search for jobs based on location, time frame, genre etc.
- Given that the job filter function is implemented, only a selected few jobs that match the search criteria should be visible to the user.
- Given that the job filter function is implemented, a user should be able to remove an applied search filter and all the job postings would be visible.

User Story #10, #11 and #12

As a user, I would like to search through all the available profiles based on age, gender, name and other criterias

#	Task	Time	Team	Owner
1	Create filtering/search logic for all the categories needed	3	Backend	Manu
2	Query the database of the user to search according to conditions	2	Backend	Prashast
3	Return the result for the search through the API endpoint	2	Backend	Parth
4	Create a search option where the user can select/filter according to different criteria	4	Frontend	Shreya
5	Call and get the results of the search from the API endpoint	2	Frontend	Bhavana
6	Display the results for the given search filters	4	Frontend	Bhavana

Acceptance Criteria:

- Given that the searching of profiles has been implemented, a user should be able to search for profiles based on their required criteria.
- Given that the filtering functionality for candidate profiles is implemented, only a selected few profiles that match the search criteria should be visible to the job seeker.
- Given that the profile search function is implemented, the applied filter should be removed and all the candidate profiles should be visible to the user.

Backlog

We will complete 12/31 user stories within the first sprint.

Remaining user stories:

1. ~~As a user, I would like to login to the website.~~
2. ~~As a user, I would like to reset my password (if forgotten) by sending an email to the user.~~
3. ~~As a user, I would not like my password to be displayed.~~
4. ~~As a user, I would want my password to be safely stored.~~
5. ~~As a user, I would like the server to be able to perform account verification during login.~~
6. ~~As a user, I would like to create a profile.~~
7. ~~As a user, I would like the edit my profile.~~
8. ~~As a user, I would like to post a job opportunity and provide a brief description of the role that is required, and the production.~~
9. ~~As a job-seeker, I would like to search through all the jobs/opportunities posted.~~
10. ~~As a user, I would like to search through all the available profiles based on age.~~
11. ~~As a user, I would like to search through all the available profiles based on gender.~~
12. ~~As a user, I would like to search through all the available profiles based on name.~~
13. As a user, I would like to view the news page.
14. (If time permits) As a user, I would like to view posts relevant to me.
15. As a user, I would like to view the available equipment to the rented.
16. As a user, I would like to view when the equipment will be available on a calendar.
17. As a user, I would like to rent equipment.
18. As an admin, I would like to be able to add and remove users.
19. As an admin, I would like to be able to add and remove posts on the news feed.
20. As an admin, I would like to be able to add and remove equipment available in the inventory.
21. As an admin, I would like to be able to change the color scheme of the site.
22. As an admin, I would like to be able to take the site offline when needed.
23. As an admin, I would like to be able to make changes to the orientation of the website.
24. As a user, I would like to be able to instant message people of interest via the website.
25. As a user, I would like to report inappropriate posts.
26. As a user, I would like to be able to send feedback to the maintainers of the website.
27. As a user, I would like the resume of the applicant to be sent to the person who has posted the job.
28. As a user, I would like to have links to every actor's social media.
29. As a user, I would like to search for profiles faster.
30. As a user I would like to cancel my reservation for equipment at least 24 hours in advance.
31. As a user, I would like to use a website which is accessible to disabled individuals.