

Intern-Master

Considered your internship application done :)

Team 17 - CS 30700: Sprint 3 Planning Document

Ji Ma, Nathaniel Young

Sprint Overview

Scrum Master: Nathaniel Young

Meeting Plan: Sunday, at 1 pm, Tuesday at 3 pm, Thursday at 3 pm.

Risks and Challenges:

- We need to make sure that we can collect statistics on popular job applications and open source projects as well as bookmarked and previously applied jobs so that we can use this data to feed our news feed. Also, the news feed relies on the ability to match skills in the job applications and open source projects to give the user good suggestions.
- We need to make sure than we have a structured user class so that we can add the correct elements to their profile page as well as link their authentication login with their data.

Current Sprint Detail

User Story #1

As a prospective job applicant, I want to add personal information with my education, skills, work experience, GitHub link, and other important information a recruiter might want to see.

#	Description	Time (in hours)	Team	Owner
1	Merge Dashboard and profile page as one	4	frontend	Jay
2	Implement the rest of the ui for the Dashboard page	4	frontend	Jay
3	Upload Resume function	2	Frontend/Backend	Jay/Nathaniel
4	ManualTest	2	Frontend	Jay

Acceptance Criteria:

- Given that dashboard is complete, user could upload resume with no bugs.
- Given that dashboard is complete, user could see the profile card and update the information.

User Story #2

As a prospective job applicant, I would want to scroll through the feed displaying job suggestions, open source project suggestions, and referral contacts.

#	Description	Time (in hours)	Team	Owner
1	Create the New Class in the Firebase	4	Backend	Nathaniel
2	Implement Job Suggestion	2	Backend	Nathaniel
3	Implement referral contacts	2	Backend	Nathaniel
4	Implement open source project suggestions	2	Backend	Nathaniel
5	Implement Front End News Page	8	Frontend	Jay
6	Manual Test	2	Frontend	Jay

Acceptance Criteria:

- Given that the data for the news feed is in Firebase, then the frontend should properly display the feed.
- Given that statistics for the open source projects and job applications are in Firebase, we should be able to create a news feed suggestions.

User Story #3

As a user, we would want to be able to post to the news feed.

#	Description	Time (in hours)	Team	Owner
1	Add news data to news class in	3	Backend	Nathaniel

	Firebase			
2	Delete rejected articles	2	Backend	Nathaniel
3	New article button	2	Frontend	Jay
4	Markdown Editor for creating news article	3	Frontend	Jay
5	Display only accepted new articles	2	Frontend	Jay
6	Manual Test	2	Frontend	Jay

Acceptance Criteria:

- Given that post news article is complete, every user could create a news article to share their thoughts.
- Given that post news article is complete, only part of the user posted articles will be accepted.
- Given that post news article is complete, the news feed will only show accepted news articles.

User Story #4

As an developer, we would love to create a user information class to store the extra user information and link them by unique id in the basic user class.

#	Description	Time (in hours)	Team	Owner
1	Pair user info from authentication to user class	6	Backend	Nathaniel
2	Create skeleton data structure.	2	Backend	Nathaniel
3	Put several forms in the dashboard page for user to	6	Frontend	Jay

	update their personal information.			
	Manual Test	2	Frontend	Jay

Acceptance Criteria:

- Given that the authentication works, then we should be able to pair the user login with their user class.
- Given that there is a skeleton user class, then we should be able to add data points to update the user's personal information.

User Story #5

As a developer, I would love to gather stats on the most popular job applications and open source projects as well for the bookmarked and applied job applications.

#	Description	Time (in hours)	Team	Owner
1	Show the statistics for applied job application in dashboard	4	Frontend	Jay
2	Add statistics into firebase	2	Backend	Nathaniel
3	Pop up a form after the user click the apply to ask whether they actually applied	4	Frontend	Jay
4	Open job application link in new tab	1	Frontend	Jay
5	Open open source projects in new tab	1	Frontend	Jay
	Manual Test	2	Frontend	Nathaniel

Acceptance Criteria:

- Given that the frontend buttons work, we should be able to gather statistics on the number of clicks for the job application and open source projects.
- Given that the pop up question function works, we should be able to gather the number of people that have applied to a particular job.

Backlog

Functional

1. As a prospective job applicant, I would like to add my skills so that I can have jobs automatically matched for me so that job opportunities can come find me instead of me trying to find job opportunities.
- ~~2. As a developer, I would like to create the ability to automatically import a prospective job applicant's skills by using their LinkedIn account information so that prospective job applicants can have a smoother experience using the Intern Master platform.~~
- ~~3. As a prospective job applicant, I would like the ability to use "Sign-in with Google" to make the setting up my account with Intern Master a breeze.~~
4. As a prospective job applicant, I would like to automatically apply to a job in one click so that I do not have to go through the same repetitive text and drop down boxes for each job I want to apply to.
- ~~5. As a prospective job applicant, I would like to the ability to login to the website so that I can have all of my important information stored for me which would allow there to be the one click apply feature.~~
6. As a prospective job applicant, I would like to polish my skills with the best recommendation so that I could have a best match to the target company.
7. As a prospective job applicant, I would like would like the ability to be notified by email or text message when a new relevant job is posted that where the job requirements match my skills.
8. As a prospective job applicant, I would like to browse other similar jobs so that I can apply to more relevant jobs quicker.
- ~~9. As a prospective job applicant, I would like to the ability to easily navigate the job suggestion website so that applying to more jobs will be a breeze with good UI.~~
10. As a prospective job applicant, I would like the ability to share my job profile which will feature a downloadable resume, skills tab, work experience tab, and links to external websites (like LinkedIn, GitHub, etc).
11. As a prospective job applicant, I would like the ability to manually edit my public facing profile so that I can change any errors in the automatically generated profile.

12. As a prospective job applicant, I would like to ability to find online education sources to help me polish my skills so that my application looks better to interviewers.
13. As a prospective job applicant, I would like to be suggested which online education sources I should take in order to meet the requirements of job X.
14. As a prospective job applicant, I would like the ability to see what date the job was published so that I can know how recently it was posted, and if I am one of the first applicants.
15. As a prospective job applicant, I would like to read success stories of other people who used Intern Master on the Intern Master blog so that I can be encouraged to strive for my goal of getting that job.
16. As a prospective job applicant, I would like the ability to comment on an Intern Master blog to express my feelings or congratulate somebody else on their job success story.
17. As a prospective job applicant, I would like the ability to see what date the blog on the Intern Master blog was published so that I can know how recently that particular person had a successful job acceptance.
18. As an organization, Intern Master, would love to host guests who work in industry on the Intern Master blog to write an article so that our prospective job applicants can have awesome content to read.
19. As a developer, I would love to create an Intern Master forum (using the same login account information) can ask and answer questions for each other.
20. As an organization, Intern Master, would love to create a community of passionate people to interact on the Intern Master forums.
21. As a organization, Intern Master, would love to have a group of volunteering professionals in industry to monitor the Intern Master forums.
- ~~22. As a prospective job applicant, I would like to see awesome relevant open source project suggestions that I should consider working on so that I can boost my job application and resume.~~
23. As a developer, I would like Intern Master to automatically suggest awesome open source projects to work on (in the same way that it automatically suggests relevant jobs to apply to).
24. As a developer, I would like to create an about page about Intern Master was created and the amazing developers behind it.
25. As a developer, I would like to show our personal profiles so that we could be found easier and can acquire our next interviews and jobs easier.
26. As a prospective job applicant, I would like the ability to have a toggle button on the website to a night mode (because we all know that you probably are burning the midnight oil, and a darker color screen will be better for your long term health).
27. As a prospective job applicant, I would like the ability to share awesome jobs that I applied to on Facebook, Twitter, etc. so that I can use my energy on social media while "Intern-Master" does all the hard work of job applying in the background.
28. As a developer, I would like to add a subscription based service called "Intern Master Pro" for only \$19.99 per month which allows prospective job applicants to apply to all jobs that are relevant to them without ever having to do anything. (If time allows)

29. As a developer, I would like to give “Intern Master Pro” subscribers access to the beta software (the next big things). (If time allows)
30. As a developer, I would like to put Amazon affiliate links on our website to the best books, computer gadgets, and things to help prospective job applicants study for their next interview, and so that Intern Master can gain a little bit of profit for their services.
31. As a prospective job applicant, I would like the ability to gain “App-Points” by referring other prospective job applicants to apply to jobs through “Intern-Master.” (If time allows)
32. As a prospective job applicant, I would like the ability to get early access to special jobs by redeeming “App-Points”. (If time allows)

Non-functional requirements

1. Architecture & Infrastructure
 - a. Backends will be Python based using Flask framework to design a restful API.
 - b. React/AngularJs based front end web app allowing users to filling their information, manage detailed information, skills development suggestions and search for matching positions.
 - c. BaaS such as Firebase to store user information.
 - d. Chrome extension to help frontend web app to apply the dom manipulation.
 - e. We will use docker container heavily to ease the deployment process.
 - f. We will use travis.ci to automate the build and for our source code.
2. Security
 - a. Security is essential for Intern-Master, the Intern-Master’s database will contain users’ crucial personal information such as their first name, last name, school, graduation date, skills, projects, experiences, ethnicity, disabilities, gender, etc.
 - b. Although the third party BaaS will take care of the security issues for us by using token authentication and other methods, we still looking forward to implementing our services with https to ensure the best-secured service.
3. Usability
 - a. The interface should be easy to navigate and simple enough for the average user to understand.
 - b. The Intern-Master works on any types of internship application formats and accessible on all the platforms such as Mac, Windows, Android, or iOS.
4. Hosting & Deploying
 - a. One single server is enough for the starter phase. We will use Google Cloud/AWS to host frontend + backend at the same time. We will heavily use container services like docker to ease the hosting and deploying headache.