

Project Plan

Introduction

The teaching staff will review your project pitch, provide you feedback on the scope of your project, and assign a specific TA as your project mentor. You should use the feedback on your project pitch to revise the scope of your project, and discuss any changes with your assigned TA. The goal of this assignment is to finalize the intended scope of your project based on these discussions and to outline the engineering and documentation tasks that you will need to accomplish in order to complete your project.

The project plan will include:

- Revised Introductory problem statement: what problem in Tuitter does your (proposed) feature solve? Provide a paragraph (or two) that describes why you are interested in building this feature.
- Revised User stories and acceptance criteria: high level description of how users will interact with your new feature (based on feedback on the project pitch)
- High level architecture: Describe the key components in your feature (or how your feature relates to the existing components of Tuitter)
- Work breakdown: Define engineering tasks that will be necessary to implement your new feature.
- Schedule: Provide a weekly schedule for completion of these tasks.

Revised Problem Statement, User Stories and Acceptance Criteria

If your problem statement has changed in response to feedback from the course staff, please include a revised problem statement. If there are no changes to your problem statement from your original project pitch, then please include your original problem statement along with a note that this problem statement is unchanged.

If your user stories and acceptance criteria have changed in response to feedback from the course staff, then please include the revised user stories and acceptance criteria. If there are no changes to your user stories and their acceptance criteria, then please include your original user stories and acceptance criteria along with a note that they are unchanged. Please use the same format as specified in the project pitch for your user stories and acceptance criteria.

An introductory problem statement:

Development of new features in social networking sites brings new network opportunities for users. Most prominent employment oriented online service sites after the traditional LinkedIn and

Indeed are Twitter aka Tuit and other social networks. After the development of LinkedIn, the most important and disruptive development in the social network is, undoubtedly, Tuit. The first and by far the most rapidly growing feature is Tuit. Tuit can be treated as a Career and Marketing means. It's been growing too, with a 13% year-on-year increase in the career and marketing conversation, so how can Tuit use it for hiring?

Due to the increasing use of social media around the globe, many recruiters and hiring managers find social media attractive as a readily available source of real-time data to find candidates.

Since in other employment service sites, candidates can showcase their portfolio, qualification professionally and formally, so to assess their professionalism and trustworthiness, picture of negative attributes, and to determine whether they post appropriate content in other social networks is very important. So, in Tuit this proposed feature solves this concern of the recruiter.

Since Tuit is being used for mostly entertainment purposes. It can also be used for hiring purposes as well where recruiters can find candidates for the job role by posting Tuits with hashtags or keywords. Therefore, it seems quite important to implement this feature coming out in terms of Career and Marketing development.

I'm interested in building this feature because the actual social network of Twitter has not introduced this feature. This feature might get better reach and popularity

User stories and acceptance criteria:

Following are the requirements that are going with the implementation of Careers and Marketing Feature:

- Provide a feature to newly graduate students/candidates to search for Jobs that matches their skill set and qualifications.
- Provide candidates to create their profile including their qualifications, education, etc.
- Provide Recruiters to create their profiles where they can post jobs as Tuit.
- Provide functionality of create account specific to Role based:
 - Recruiters
 - Job Search Candidates
- Candidates can search for Jobs (with keywords such as C++, Python, Backend Engineer etc).
- Recruiters will add that they are hiring in their bio and their account name such as company name that will write "we are hiring".
- This makes it really clear to anyone on Tuit profile that recruiters keen to hire.
- Recruiters can add a link to their career page or specific job posts within their bio for ease of access too.

Epic	User Story	Acceptance Criteria
As a Recruiter, I want to look for candidates for job role and manage company personnel needs.	As a Recruiter, I need to view a candidate's profile so that I can manage their application process and background screening throughout the recruiting phases.	<p>Ensure hiring manager can:</p> <p>Log in to the profile and post job openings,</p> <ul style="list-style-type: none"> • Post a job • Edit profile • Delete previous posted jobs.
Tech Companies	Tech Companies can create their official accounts and share their job opening in the Tuitur	<p>Tech Companies profile can:</p> <p>Log in to the profile and post job openings,</p> <ul style="list-style-type: none"> • Post a job • Edit profile • Delete previous posted jobs.
As a Job search candidate, I want to look for jobs by specifying keywords (C++, Java developer etc.) in Tuitur search	As a candidate, I need to view hiring managers or companies' profiles so that I can apply for jobs that stated, "we are hiring".	<p>Ensure Candidate can:</p> <p>Log in to the profile and apply for job openings,</p> <p>View and apply.</p>

High Level Architecture (max 1 page)

All projects must include a frontend component and a backend component that interact with the existing Tuitur codebase. Based on your knowledge of the Tuitur codebase, propose an

architecture for your new feature, enumerating the key components and how those components will interact. Create a diagram that shows the main components that you will construct. Your architecture should include all key components necessary to implement all of your user stories. This architecture should be at a relatively high level: think in terms of components, not in terms of classes. In terms of component communication, think in terms of communication styles (which component calls which?) and not in terms of specific API implementations.

Your architecture must include:

- At least one frontend component and at least one backend component
- A description of how those two components will communicate
- A listing of any third party/external services or APIs that your feature will employ (if any)

1- Components of UI

- i) Navigation bar (Actual Twitter or Own feature navigation bar)
- ii) Career development feature
- iii) What's happening or Who to follow or You might like

2- Sign up and sign in

Signup

- i) Email
- ii) Password
- iii) First name
- iv) Last name

3- Post a Job (Post button)

- i) Title
- ii) Description (Job Role name)
- iii) Skills (comma separated java, c++, etc.)
- iv) Responsibilities (using bullet points)
- v) Qualification (new line separated)
- vi) city
- vii) State

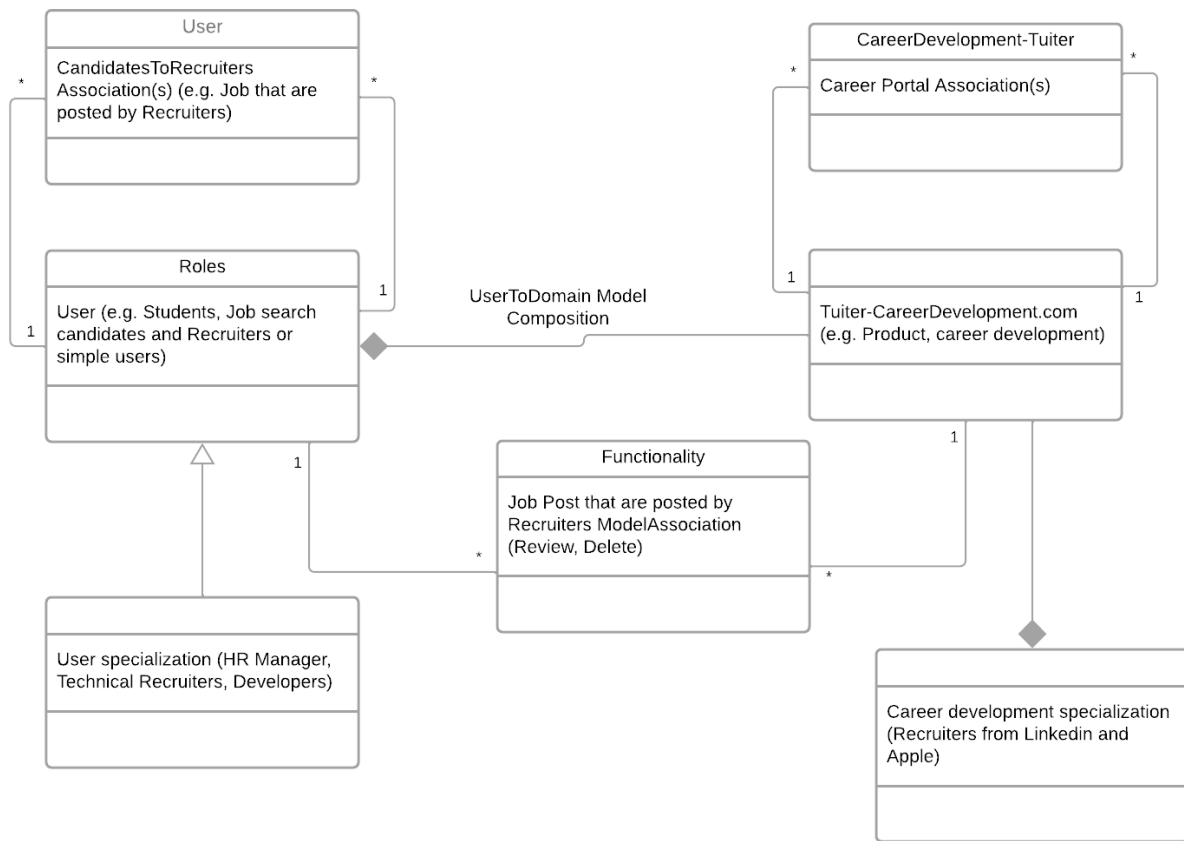
4- Recruiters can see the history of their posted jobs in their profile

5- Based on keywords users can search jobs by searching c++, javascript, java etc

6- Delete a Job

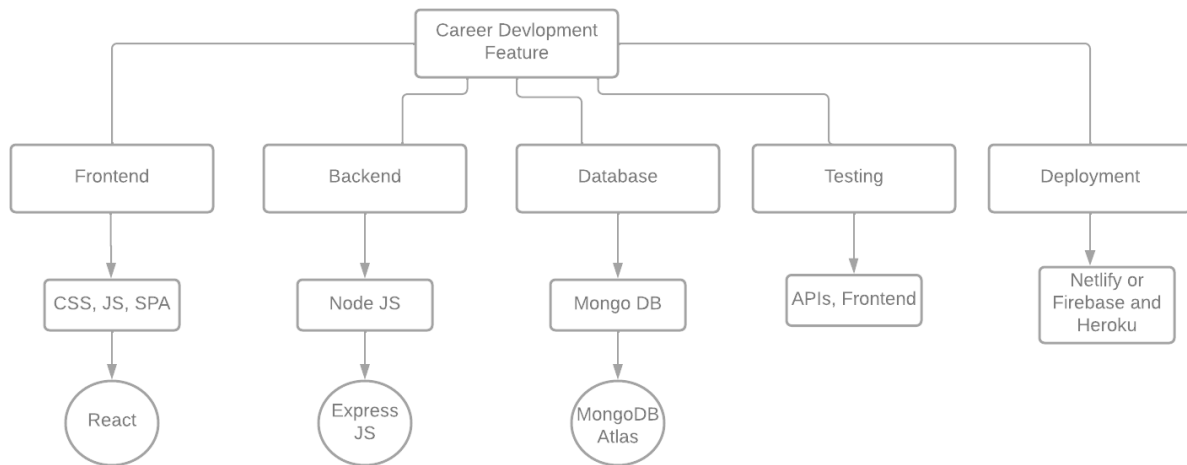
7- update a job (miscellaneous)

8- Users will see 1 more screen where they can post jobs



Work Breakdown

Define engineering, documentation, and infrastructure tasks for your project (please be sure to consider all three categories of tasks). Start by considering each of your user stories, and identify what work needs to be done to implement each of them. Each work item should be associated with at least one user story - this will be useful for prioritizing tasks later in the semester in the event that some features can not be delivered in time. Your work breakdown should be entered in an issue tracker like GitHub issues. It is hard to say (generically) how many work items are necessary, but you should consider breaking down tasks into small enough chunks that each can be accomplished in a week or less.



Schedule

Prepare a detailed schedule with personnel assignments for completing each of the tasks defined in your work breakdown. Make sure to consider dependencies among tasks (this has to be done before that). Be realistic, and leave time for contingencies. Remember that you will need to have a demo prepared of your feature by 4/15. Be sure to leave time for testing and quality assurance.

You do not need to use any special format (such as Gantt or Pert charts). If you choose to create your work breakdown in an issue tracker, you may of course also use the issue tracker to schedule your tasks.

Activity Name	Original Duration	Start	Finish
Schema Design	2	03-29-2022	03-29-2022
Sign in / Sign up	6	03-30-2022	04-04-2022
Post a Job	6	04-04-2022	04-09-2022
Job search API's	15	04-09-2022	04-15-2022
Delete a Job	1	04-15-2022	04-15-2022
Profile	4	04-16-2022	04-16-2022
Edit Profile	2	04-17-2022	04-17-2022
Feedback	2	04-18-2022	04-18-2022
Testing	5	04-19-2022	04-23-2022
Submission	1	04-24-2022	04-24-2022

Submission

Your project plan should be submitted as a single PDF in Canvas to the assignment "Project Plan." Each team submits a single document. In order to provide timely feedback on your project plan, we can not allow any DRC accommodations for late submissions on this assignment.

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