CS 407
Spring 2018
Project Charter

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MakeItHire

Common App for Job Search

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Problem Statement

Applying for a jobs could be a cumbersome full-time job in itself with a lengthy process which includes making a resume, sorting out the relevant companies and applying for the perfect positions. The real problem arises when students actually go to the company websites to apply for the positions, which requires them to fill in all of their information which is already in their resume. All the company websites have different format of applications which are inconsistent and take a long time per application.

There needs to be a common job application for students, where they put their resume and its information only once, which could be used by all companies across world; and our project intend to develop the same. Our project idea is inspired from the Common Application for colleges, but will be unique as currently there exists no job application platform which could be used by all the companies. Our goal is to make the job application process uncomplicated and consistent for students, and the recruiting process effortless for the companies.

Project Objectives

We are making a web and iOS Application that:
- Allow students to aggregate all their data in one place to make the job application process easy and smooth.
  - Students will fill out their basic data into the application, i.e, Name, DoB, GPA, School, Experience, Transcripts
- Allow companies to look up potential graduating students (new grad hires) and their applications.
  - Recruiters will be able to filter through the student pool using keywords from their skills and preferences and experience
- Allow companies to ask unique questions when students apply for work.
  - Recruiters will also be able to provide company specific questions which will be prompted when the student is applying to that specific company.
- Companies are able to directly chat with students that they are interested in.
  - Allowing a platform for recruiters and students to converse to break through that initial correspondence through email

Stakeholders
Project Manager: Rajat Srivastava

Product Developers & Owners:
- Avi Rakesh
- Ben Weis
- Nik Suprunov

- Rajat Srivastava
- Zack Fernandez

Product End Users:
- Students and recent graduates looking for jobs
- Recruiters looking to hire university graduate students

Deliverables
- The project will be presented as a website application and be accessible from any device with Internet connection.
- The website version will serve as a "base" for the project and will have all of its main features. That was decided to simplify the process of filling out the profile information.
- The project will have an iOS version with fewer number of features.
- Website and iOS app will communicate with the same server, so companies could text students to their phones directly (through the app).
- Students will be able to create an account and fill the common information that will be used for every job/student search.
- Companies will have a different type of account and they will be able to configure the questions/bio they want students to answer.
- If company is interested in student, they can text him in app directly instead of using email (note: students cannot text companies first).
- To register, person will need to have .edu email account (confirmation will be sent in the end of registration process).

Technology, Platforms and Frameworks
- HTML5, CSS, VueJS
- NodeJS
- Heroku
- Swift 4, Xcode
- Git
- SQL

CS 307 Projects
1. Avi Rakesh
   - We developed an application called SecurItTools. SecurItTools brute-forced a user's forgotten router admin password and informed the user of their password. It also monitored the user's network and informed the user of any malicious activities that happened on the user's network and informed the

user about it. The applications was primarily on the desktop and laptops and allowed the user a range of modules as per their level of expertise. It also checked if the user's password was strong enough using pre-set algorithms to look for dictionary attacks and other common passwords. The application also suggested strong passwords to the user. The application also worked as a network manager where the user can either preset the white list or allow the default setting of using a black-list to do elimination.

- Github repository is private.

2. Ben Weis & Zack Fernandez
   - We developed a web application called Hermes Locker. Hermes Locker aimed to enable document sharing in a lightweight capacity with easy authentication and no installation. Some solutions exist that meet many of our security objectives, however the majority live on the desktop which erodes the flexibility of the recipient to view a document on the go and can be prohibitively expensive for one off users. Cloud solutions to this problem require far too many setup steps which discourages adoption.

     Hermes Locker provided its users a way to send documents securely with low cost and low overhead in setup time. It did this by providing a web application that is flexible to a variety of use cases. From a recipient side it aimed to provide an experience that is lightweight and with minimal friction added on top of the current document attachment process. From a sender side it aimed to provide a fully featured experience built for the enterprise user that has to communicate to numerous clients in a single day.

     The github repository is private.

3. Nik Suprunov
   - We developed a mobile application for iOS caled "Classmate".

     Classmate is an application that connects students taking the same class in the university or just interested in studying the same field. Application features include connecting and seeing those who take the same class as you do, class forum, QA section, where one student asks questions on class-related topic and others answer. Application allows users to post photos of class notes or just related material. There is a live chat for all the students taking the same class. Another feature is a "Study Group" which is an event that is determined by a location and time where students are studying or working on the same task. Students can invite their friends to study groups. Users can edit their schedule, so that when study group is formed, others can see what time fits best. Student's schedule is also visible to "friends".

     The GitHub repository is private.

4. Rajat Srivastava
   ○ We designed an iOS Application called "DormSocial" which would act as a new socializing platform for people living in dorms, including residents, RA's and admins incharge of the dorm. All the users would be able to look at events and activities going on the dorm, join them, or look at who has joined them. They would be able to create events and activities, and be able to share their contact information using their profile pages, or choose to keep their information private. Activities were specific to the dorm, so for example if the dorm has a ping-pong table, residents can create an activity of playing ping-pong at a certain time, and other users can join them. Admins had the ability to create admin and RA specific events and activities which the residents could not see. RA's were also able to create RA meetings just for RAs and floor meetings, only for the students in their floor.
   ○ Github is private