

CSC 7135 Group Project

AN ONLINE JOB SEARCH PLATFORM

First Scrum

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Team B

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Project Architecture Diagram

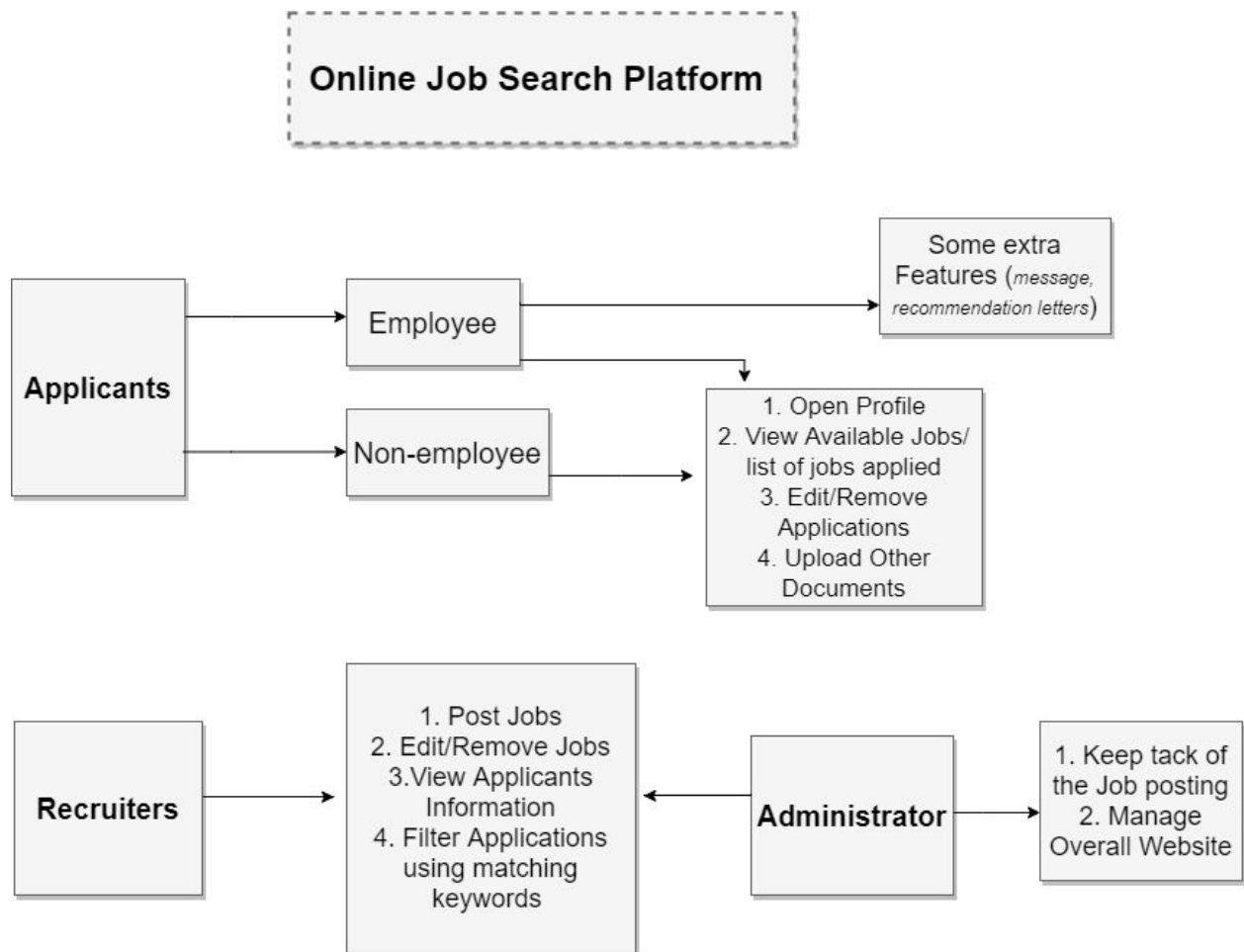


Figure: Project Architecture.

Project Backlog

1st Scrum - Have an understanding of the product and plan of action

- Have architecture mapped out
 - Presentation Layer Diagram
- Create product backlog
- Set weekly meeting time
- Create Github repository
- Have basic understanding of each member's strengths & experience.

2nd Scrum - Have rudimentary system where users can post and view jobs

- Front End
 - Login & Registration Capabilities
 - Create & View User Profiles
 - Applicant
 - Non-employee
 - Employee
 - Recruiter
 - System Administrator
 - Post & View jobs
 - Employee only jobs/Public jobs
- Data Base
 - Design/Have the beginnings of the data base
 - ER-Model
 - Basic tables & variables
 - Make sure it is connected & interacts with front end
 - Have some example dummy data
 - Each type of user & a few job postings

3rd Scrum - Have majority of the product capabilities in progress or finished, esp. search, filtering, notifications.

- Search Capabilities
 - For searching job postings & applicants
- Filtering
 - For jobs postings & applicants

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- Notifications/reminders
 - Application status
 - Job status
 - Upcoming interviews
- Upload documents
- Messaging
 - Employee messaging
 - Emails about job postings
- Substantial amount of dummy data
- Job Statuses
- Job matching/suggestions

Presentation/ Submission- finish up remaining capabilities, be able to generate SA report, finalize product design and usability, have overall viable product.

- Design/usability
- Generate report
- Remaining capabilities

Understanding and Analyzing the Requirements

DCDR.sa- oil and gas association (over 100 companies) from Texas

Creating an online job search platform for these companies as well as other "in the area"

User Requirements:

Permits Applicant (Employee and Non-employee) to-

- ☐ Create a profile with important information (i.e. personal information and areas of interest).
- ☐ Submit resume and other documents.
- ☐ Subscribe email notification about latest positions and possible matches
 - ☐ Matches identified using textual analysis among the job descriptions, areas of interest.
- ☐ Filter according to number of positions available, salary, state/region, qualifications.
- ☐ Receive job suggestions of other jobs that match with an applied one.
- ☐ Have a page where applicants can see their list of applications.
 - ☐ Shows status of applications (*received/reviewed/denied/approved/closed*).
 - ☐ Withdraw or discard their application.
 - ☐ Edit application information until the due date.

Employee Applicants can:

- ☐ Request recommendations letter from supervisor
- ☐ Access system with job identification number (*that means we'll need unique numbers across all companies*)
- ☐ See some jobs specified only for them

Allows System Administrator to-

- ☐ Keep track of Available positions
- ☐ Keep track of Active applications
 - ☐ Prioritize applications of current/former employees
- ☐ Update the status of applications (*accepted/denied/finished/in progress*)
 - ☐ Jobs that are filled should be taken off the list of open positions
- ☐ Present all jobs according to most relevant and newer positions
- ☐ Differentiate between employee and non-employee

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Authorize Recruiters to do the following-

- ☐ Filter suitable applicants by matching key words (education level, experience level, etc.) from resumes uploaded to the system.
- ☐ View application details (such as, the number of applications in each job position.).
- ☐ Send reminders about upcoming interviews.
- ☐ Keep it "organized" by showing a list of "outstanding" candidates and the status of their application.
- ☐ Add, remove and Edit job information.

System requirements:

- ☐ Online
- ☐ Includes a database that keeps track of all applicants and open positions
- ☐ Information about internal and external applications
- ☐ Verifies that applicants only apply to job once
- ☐ Applications cannot be overwritten
- ☐ No applications accepted after due date
- ☐ System can only accept 100 applications per job
- ☐ Some positions are only for current employees
- ☐ Applicants can apply to max of 50 jobs at a time
 - ☐ Must go in and remove themselves from closed positions
- ☐ Once job is filled
 - ☐ send an email notification to all applicants
 - ☐ Changed to "FILLED"
- ☐ Generates a monthly report including-
 - ☐ List of current employee applying to open positions
 - ☐ Percentage of current employee that got a new job
 - ☐ List of non-employees applying to open positions
 - ☐ Percentage of non-employee that got a new job
 - ☐ Area/field receiving the highest number of applications
 - ☐ Filled position with the highest number of applications

Questions/assumptions:

- *Should the administrative report be company specific or whole of DCDR.sa?*
 - *Who is getting admin report?*

- *How often is the report generated and sent?*
- *How do we want to handle when companies are looking for more than 1 applicant for a position?*
- *Quantify what an "outstanding applicant" is.*
- *What does the job posting process look like?*
- *What area/companies are we covering exactly?*
 - *Are employees of one company considered for openings in "employee only" positions of another company?*
 - *Is it just Texas?*
- ***System requirement:***
 - *Do we want to add for it to automatically remove after a week of being filled?*
 - *A lot we can add to this report*
 - *Positions that are having difficulty filling/don't fill by deadline*
 - *Salary posted vs. salary accepted*
 - *If a position opens more than once a year/positions that open more than twice in 5 years*
- ***User requirement:***
 - *Do we need a system administrator as a single person, who will have special authorities in the system controlling, or each company will have their own representative to do the job?*
 - *If we have a system administrator then, what are his responsibilities?*
 - *If we have System Administrator, do the companies still need to deal directly with the website, or the Administrator can do everything on behalf of them?*