

SENG2021

Deliverable 1

Group: AT3K

12th March 2021

Table of Contents:

Part 1: Problem Statement.....	3
Part 2: Identify and Describe User Stories.....	3
Resource Recommendation:.....	Error! Bookmark not defined.
Customisable UI Theme:.....	Error! Bookmark not defined.
Feature: Customisable UI theme	Error! Bookmark not defined.
Job Sorting Strategy:.....	Error! Bookmark not defined.
Toggleable Level of Detail:.....	Error! Bookmark not defined.
Board Management:.....	Error! Bookmark not defined.
FAQ:	Error! Bookmark not defined.
Automated Job Tracking:	Error! Bookmark not defined.
Toggleable Board Views:	Error! Bookmark not defined.
Automatically Tailored Job Recommendations:	6
Email/SMS Automation Services:.....	Error! Bookmark not defined.
Part 3: Low-Fidelity Prototype.....	6
Whole System Storyboard:	6
Home Page and Authentication:	7
Job Board Management Dashboard:	8
Statistics/Analytics:.....	9
Settings:.....	10
Job Search and Results:.....	11
Job Details:.....	12
Part 4: High-Fidelity Prototype	12
Repository and Demonstratable Prototype:	12

Part 1: Problem Statement

- (1) There is no tool that integrates the job postings from multiple sources with an automated and customisable spreadsheet/board interface for tracking the application process for those jobs.
- (2) There is a lack of job tracking applications that focus on providing free user analytics and showing summaries such as the rate of response for applications or the interview success percentage.
- (3) Existing tools do not have very user-friendly interfaces or sufficient guidelines/tutorials for beginners of the job-hunting process.
- (4) Major job-hunting platforms do not provide many ways to toggle the level of detail for the lists of job postings.
- (5) There is a lack of web applications that transparently shows the user how suitable they are for a role based on their custom job-hunting profile.

Part 2: Identify and Describe User Stories

Job Sorting Strategy:

Feature: Ordering the search results by deadlines

As a job seeker

So that I can find a job that has a very early deadline

I want to sort the search results by the deadline of each job

Scenario: Sort the search results by the deadline from earliest to latest

GIVEN that I am on the "Search For Jobs" page

WHEN I click on any category or enter a search query

THEN I should see a list of job results

WHEN I click on "Sort by"

THEN I should be able to see a list of sorting strategies, such as "Deadline (earliest to latest)".

Toggleable Level of Detail:

Feature: Providing more detailed information for each job card

As a job seeker

So that I can quickly browse the search results without clicking each job to see its details

I want to view full title, posted date and deadline of each job

Scenario: View job search results in more detail

GIVEN that I am on the "Search For Jobs" page

WHEN I click on "Job search" search bar and input some keywords

THEN A list of job cards are displayed with title, company name, salary, deadline, location and posted date

WHEN I click on the "Toggle detail" dropdown

THEN it should show options for different levels of detail that I can choose to display

WHEN I click on "More detail"

THEN the search results should display fields such as job title, company name, salary, deadline, location, posted date, required and missing skills and a brief description

Board Management:

Feature: Creating new job boards

As a job seeker

So that I can organise the job applications I am interested in tracking

I want to be able to create new boards of job postings

Scenario: Create new job boards for tracking job applications

GIVEN that I am on the "Job Dashboard" page

WHEN I click the "Create New Board" button

THEN a modal containing a form should appear

AND I should be able to fill out the fields for creating the new board

WHEN I click the "Create" button

THEN I should see a new job board card on the dashboard

Feature: Be able to organise my boards by alphabetical order (A-Z/Z-A), recently created, last created, last modified

As a job seeker

So that I can easily find my boards

I want to be able to organise my boards in the order I want them to be in

Scenario: Organise my boards in my preferred order

GIVEN that I am on my "Job Dashboard" page

WHEN I see an "Sort Boards" dropdown next to the "Personal Boards" title

THEN I can click the "Sort Boards" button

WHEN I select an option under the dropdown menu

THEN I should be able to see the boards appear in the ordering I specified

Feature: Managing board descriptions and names

As a job seeker

So that I can prevent the creation of multiple boards for the same requirements

I want to be able to give descriptions to each board

Scenario: Give a board a short description of its purpose

GIVEN that I am on the "Job Dashboard" page

WHEN I click ellipses in the top right corner of the board cards

THEN I should see a dropdown menu to "Edit this board" or "Delete this board"

WHEN I click "Edit this board"

THEN I should be shown a modal popup containing a form

WHEN I click "Save" after having completed the form

THEN I should be able to see the changes reflected on the board card for the board I edited

Automated Job Tracking:

Feature: Saved job postings automatically generates new entries in the Kanban board/spreadsheet

As a job seeker

So that I can conveniently manage each of my job applications

I want to track the job postings that I find on the site which interest me

Scenario: Automatically generate a new entry in the Kanban board/spreadsheet

GIVEN that I am on the "Search For Jobs" page

WHEN I click on "Job search" search bar and input some keywords

THEN A list of job cards are displayed with title, company name, salary, deadline, location and posted date

WHEN I click on a "Track" button on a job card

THEN I should see the button text indicate that the posting is now being tracked

AND a new entry is generated in the board/spreadsheet with columns such as 'Job Title', 'Deadline', 'Salary' automatically populated

Toggleable Board Views:

Feature: Allow the user to toggle between different 'views' of the tracked jobs, such as switching between Kanban board, spreadsheet or list

As a job seeker

So that I can manage my job applications in way that is most intuitive to me

I want to be able to toggle between alternative representations of the same list of job opportunities I have saved

Scenario: Change the view from board to spreadsheet

GIVEN that I am on the "Job Dashboard" page

WHEN I click "VIEW" button on any board card

THEN I should see a detailed dashboard of all the job postings I am tracking

WHEN I click a dropdown button with the text 'Board Type'

THEN I should be able to select one of the views from the dropdown menu

AND the job board should change its representation to reflect the option I selected

Saving Favourite Companies:

Feature: Saving my favourite companies in my personal dashboard

As a job seeker

So that I can efficiently manage the company's information that I'm interested in

I want to save companies' profiles to view from my "Home" page

Scenario: Saving my favourite companies from job detail page

GIVEN that I am on the "Job Description" page

THEN I should be able to see company's name and icon above the job title

WHEN I click the company's name

THEN I should be able to see the company's profile page, which consists of the description of that company and recent jobs that released from that company.

WHEN I click "save" button

THEN The company profile is saved

AND I should be able to find it from "Favourite Companies" section in "Job Dashboard" page.

User Analytics Visualisation:

Feature: Data visualisation graphics and text showing the user's activity, application response rate and success rate for interviews

As a job seeker

So that I am informed about my long-term job-hunt progress

I want to view real aggregate statistics about my activity

Scenario: View statistics for my activity over a time-span

GIVEN that I am on the "Statistics" page

THEN I should see a dropdown menu with text 'Time Range'

WHEN I click the dropdown

AND select a time range

THEN graphs and text summaries are rendered on the page illustrating my activity over the time span I selected

Automatically Tailored Job Recommendations:

Feature: Allow the user to upload the PDF document of their resume and see measurements of how closely their profile matches a job position's description

As a job seeker

So that I can conveniently find job positions I am most suited for

I want to upload my resume as a PDF document to see a percentage match for job postings

Scenario: Uploading a resume for getting tailored job recommendations

GIVEN I am on the profile section of the “Settings” page

WHEN I click on the grey area that under the title ‘Resume’

THEN I should be shown an interface for attaching a PDF document

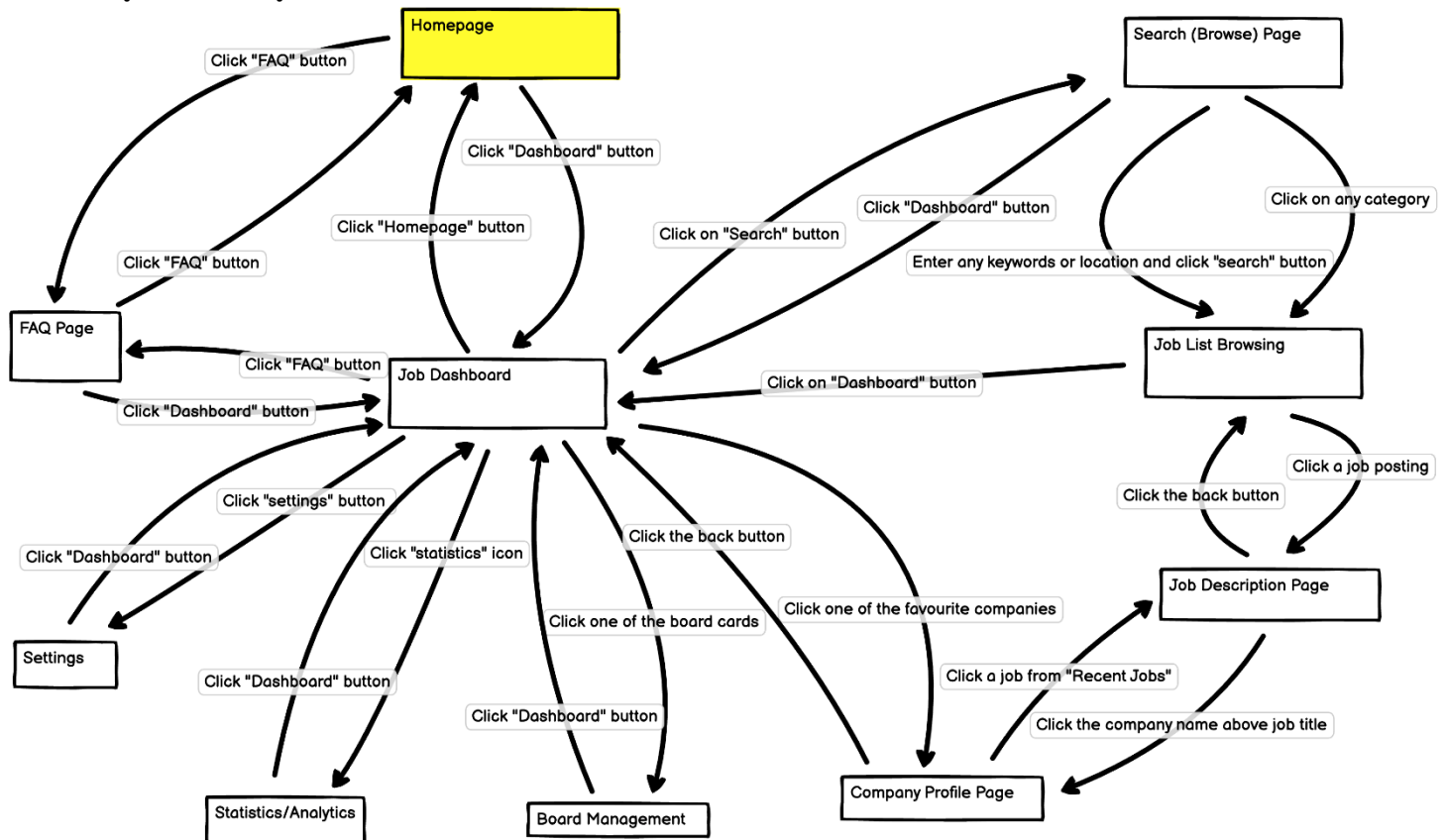
AND I click “Upload”

THEN my resume should be saved

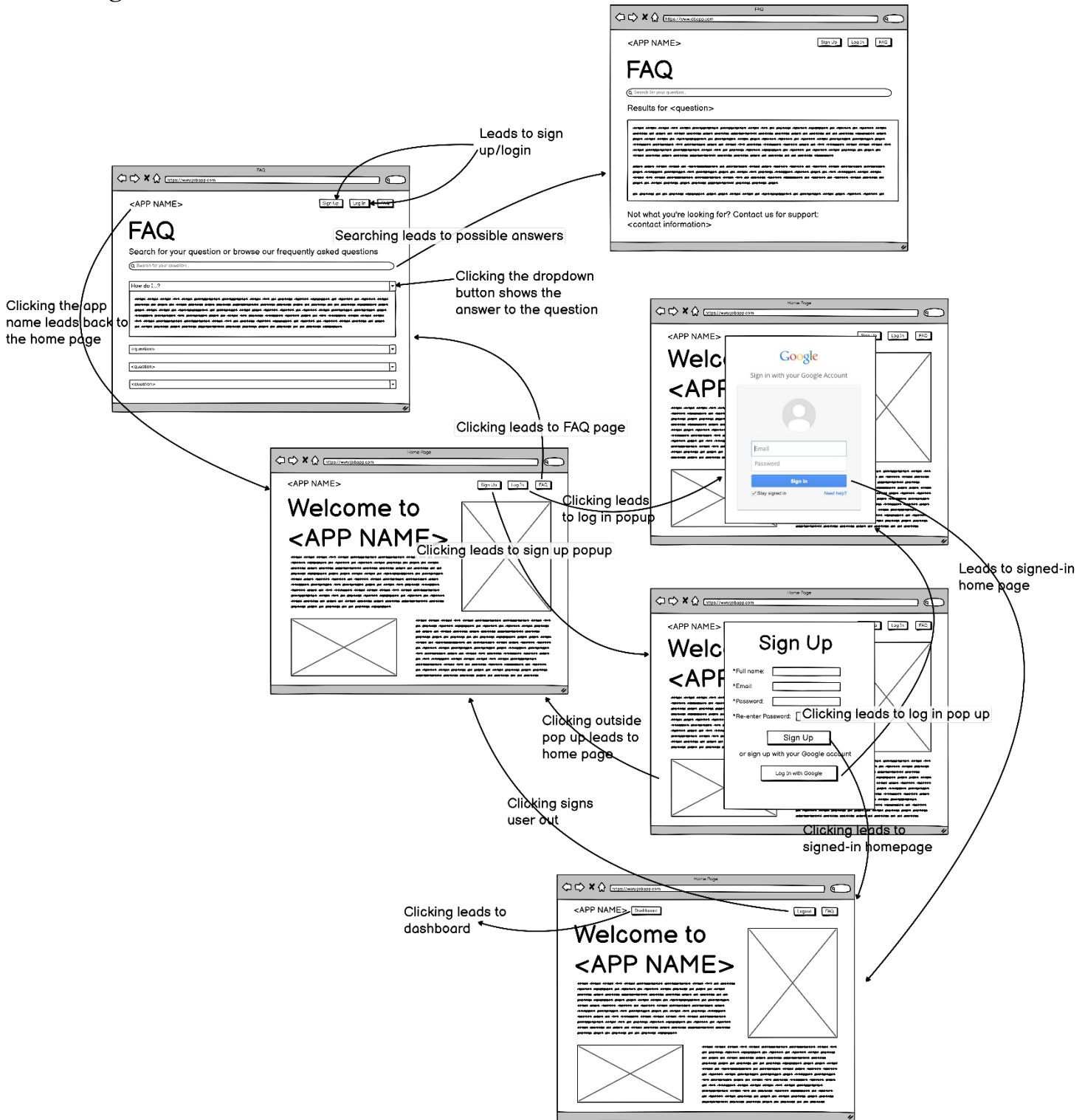
AND I will be able to see match percentage values the next time I visit the job list browsing page

Part 3: Low-Fidelity Prototype

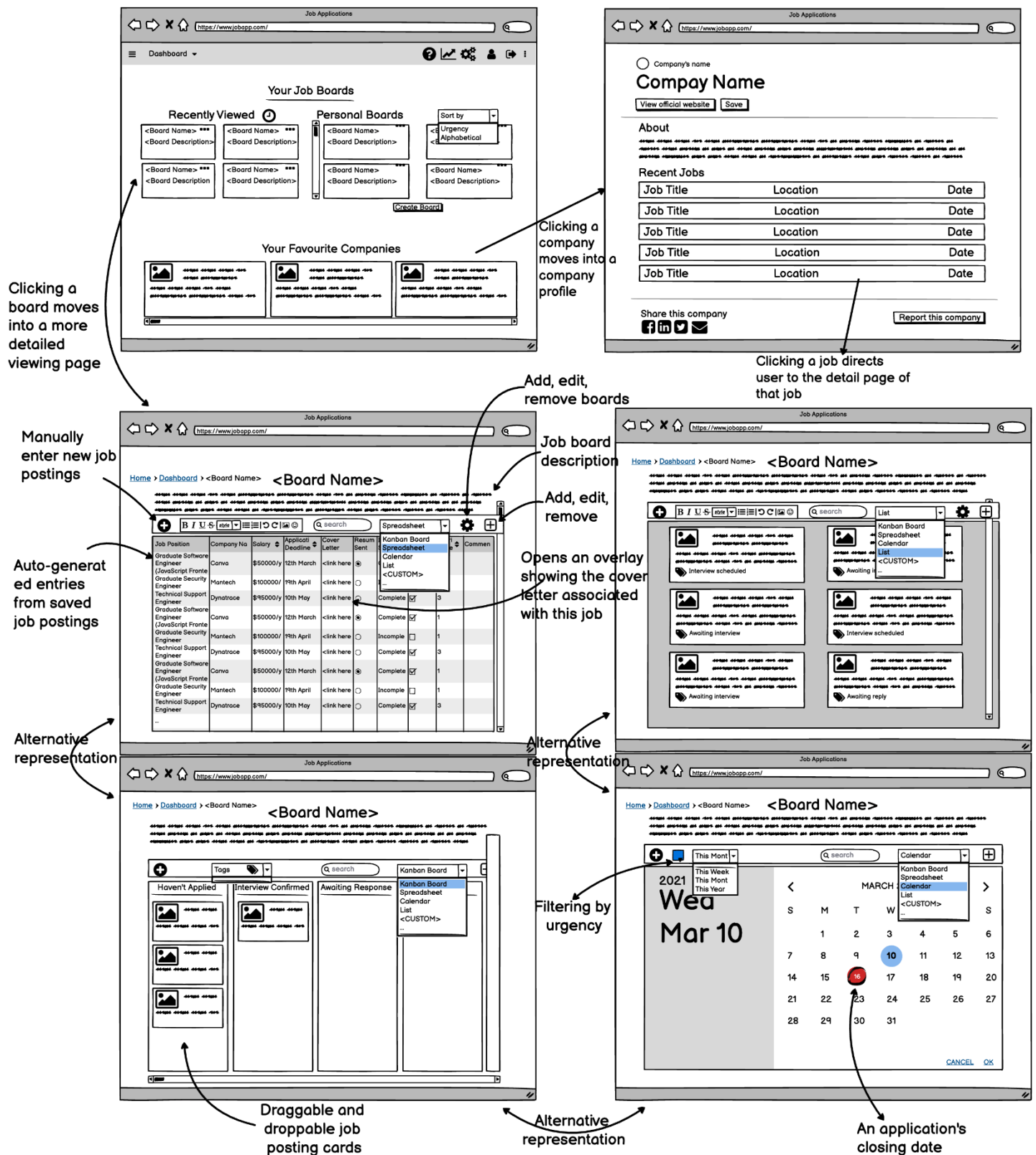
Whole System Storyboard:



Home Page and Authentication:

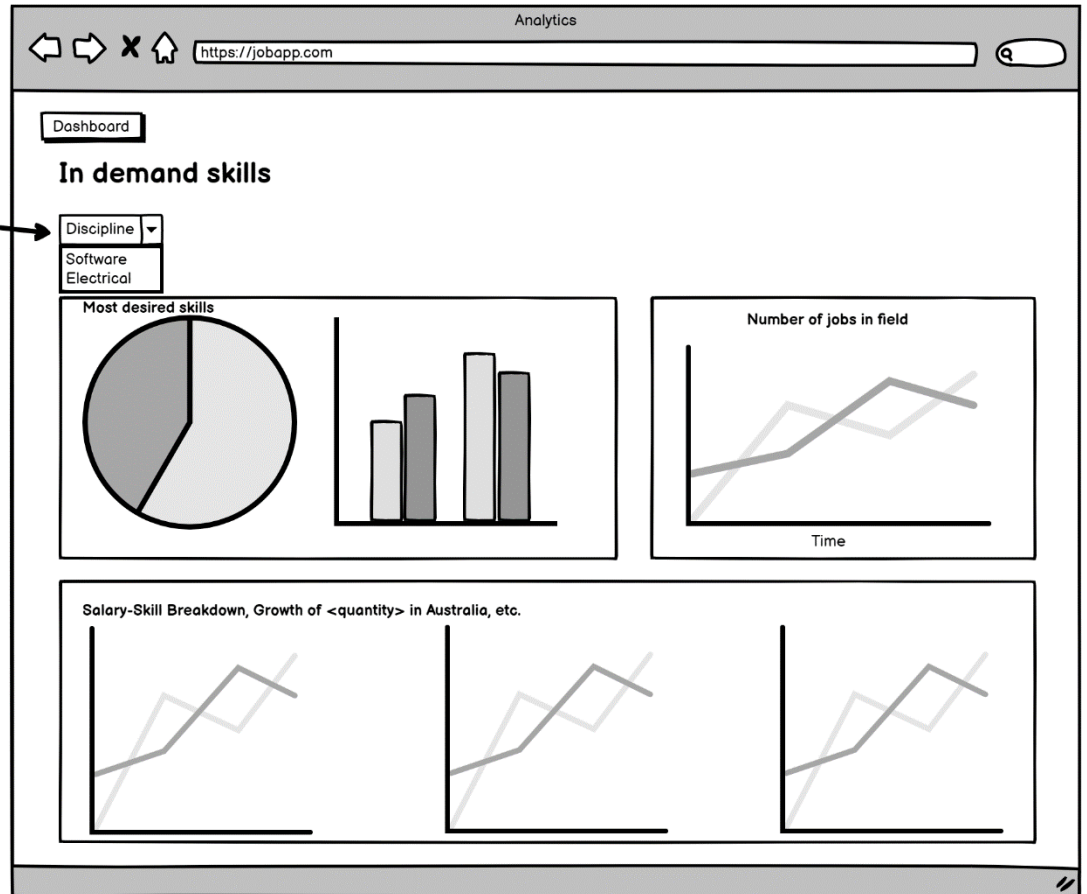


Job Board Management Dashboard:

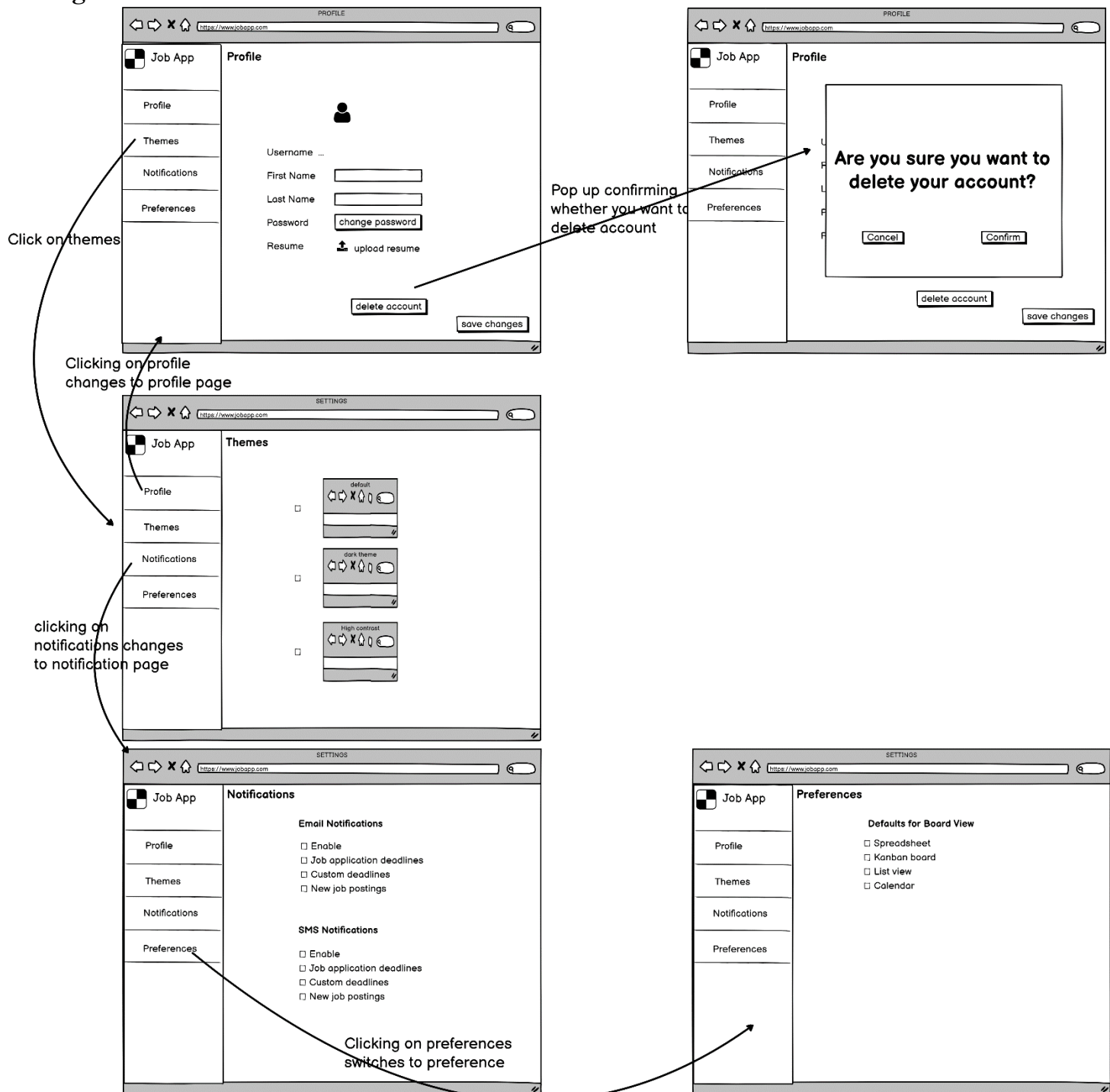


Statistics/Analytics:

User can select which discipline/field to look at statistics for

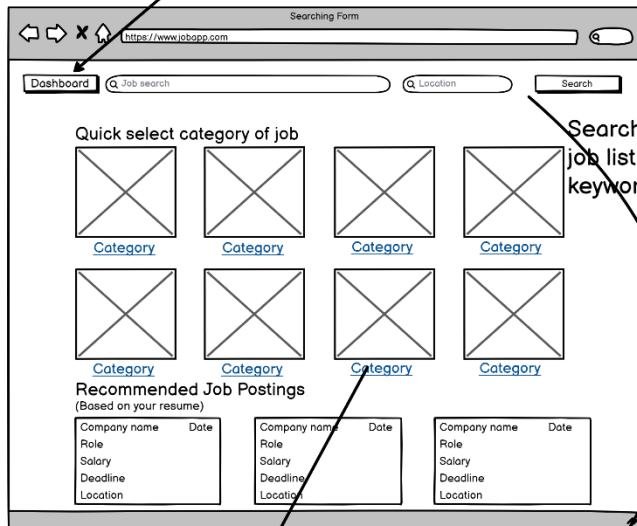


Settings:



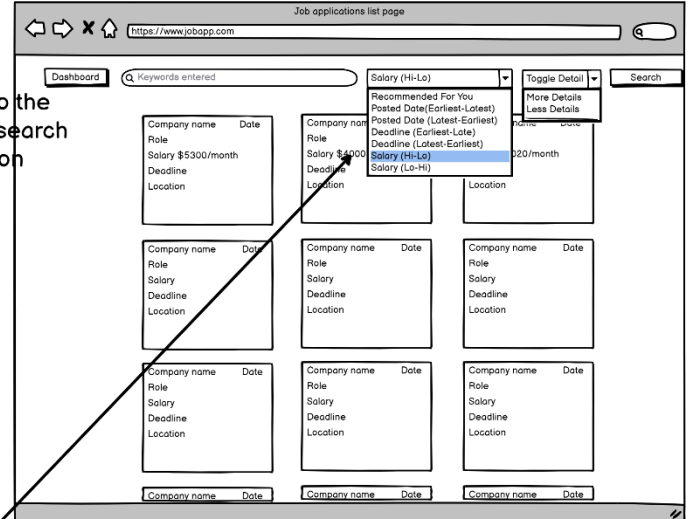
Job Search and Results:

Takes you back to the dashboard



~~Search takes you to the job list page, from search keyword and location~~

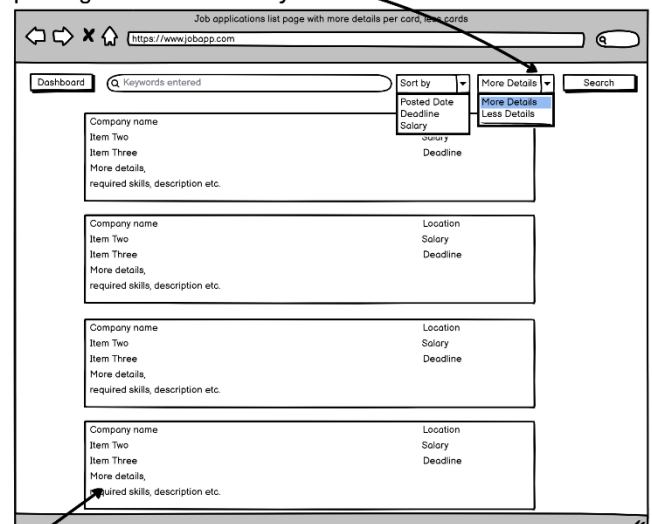
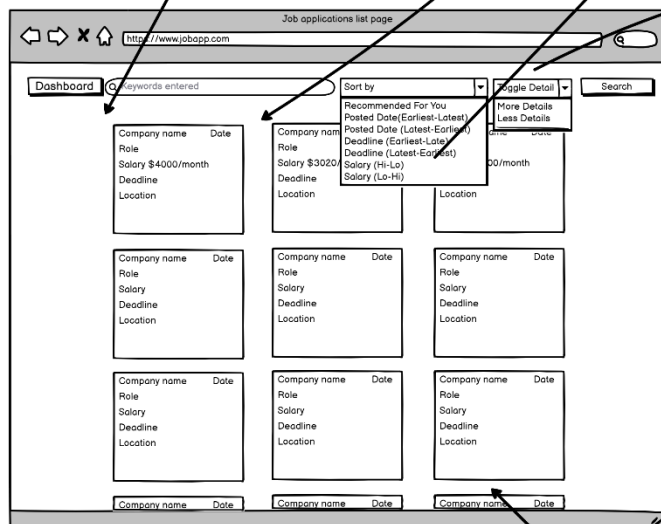
Page with results sorted differently



Drop down menu
to change sorting

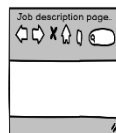
Quick selecting takes you to the job listing page regardless of location.

~~Change amount of detail in job postings. "Less details" by default.~~

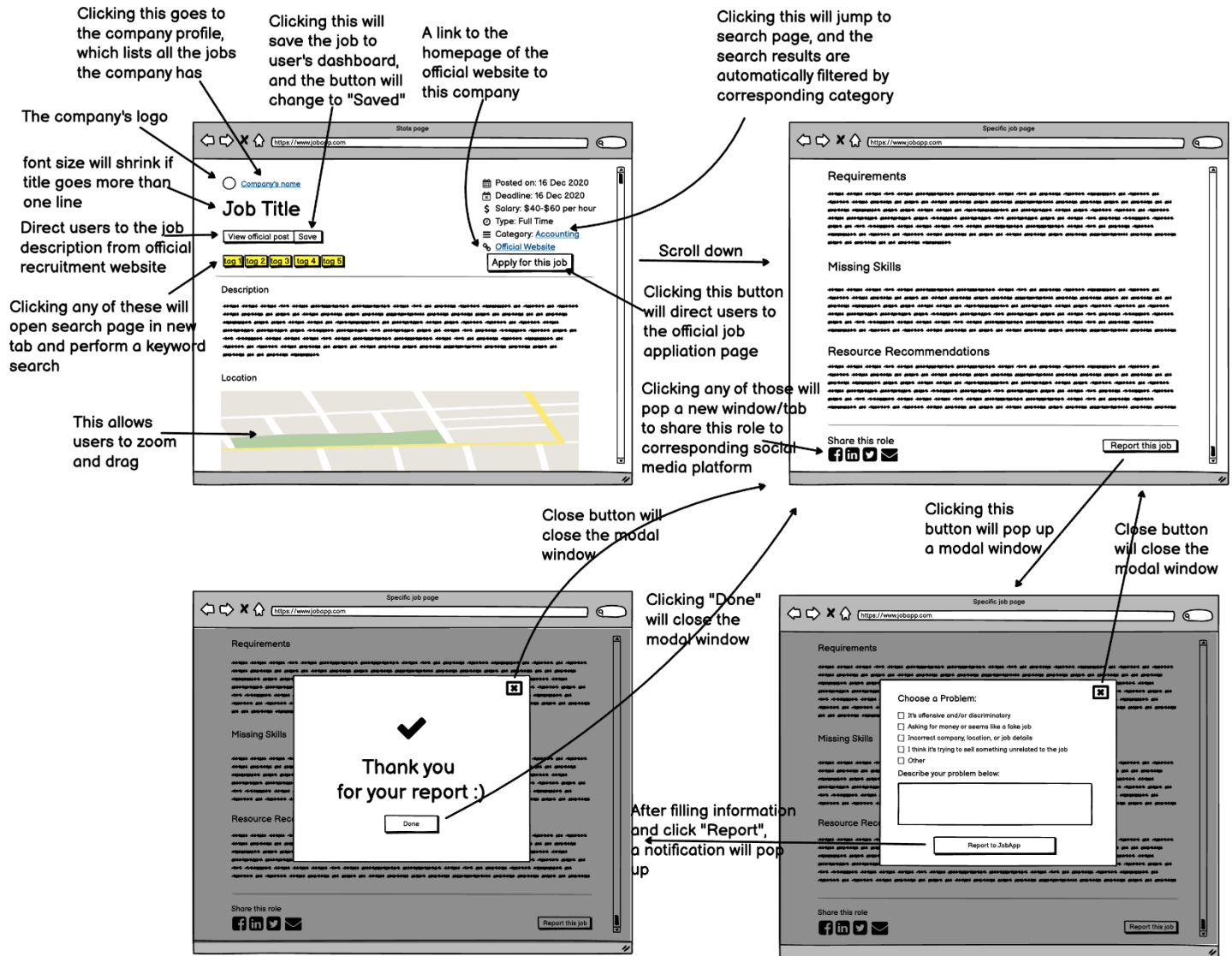


~~Clicking leads to job description~~

~~Clicking leads to job description~~



Job Details:



Part 4: High-Fidelity Prototype

Repository and Demonstratable Prototype:

1. Repository link (please view the master branch only): https://github.com/ArthurW404/seng2021_AT3K
2. Deployed prototype: <https://seng2021-at3k.netlify.app/>