BrainStation®

WD Diploma - Capstone Project

Project Title: *Fobified*

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Project Overview

1.1 Description

Jobified is a one-stop platform that allow users to find and apply jobs nearby you at one click.

1.2 Problem

When it comes to find a job, users have to repetitively fill out large forms which makes process harder and more frustrating. Therefore, Fobified helps users to search and apply your dream jobs at just minimal click.

1.3 User Profile

People who are seeking jobs nearby them must register and login in our application. Aftering login, set up your profile with basic information and upload resume and you are good to go. Search your dream job and apply at one click. You can also review or modify your application before sending out to your potential employer.

1.4 Requirements: Use Cases and Features

As a user, I can create my profile and filter jobs according to specific locations and field relevant to me.
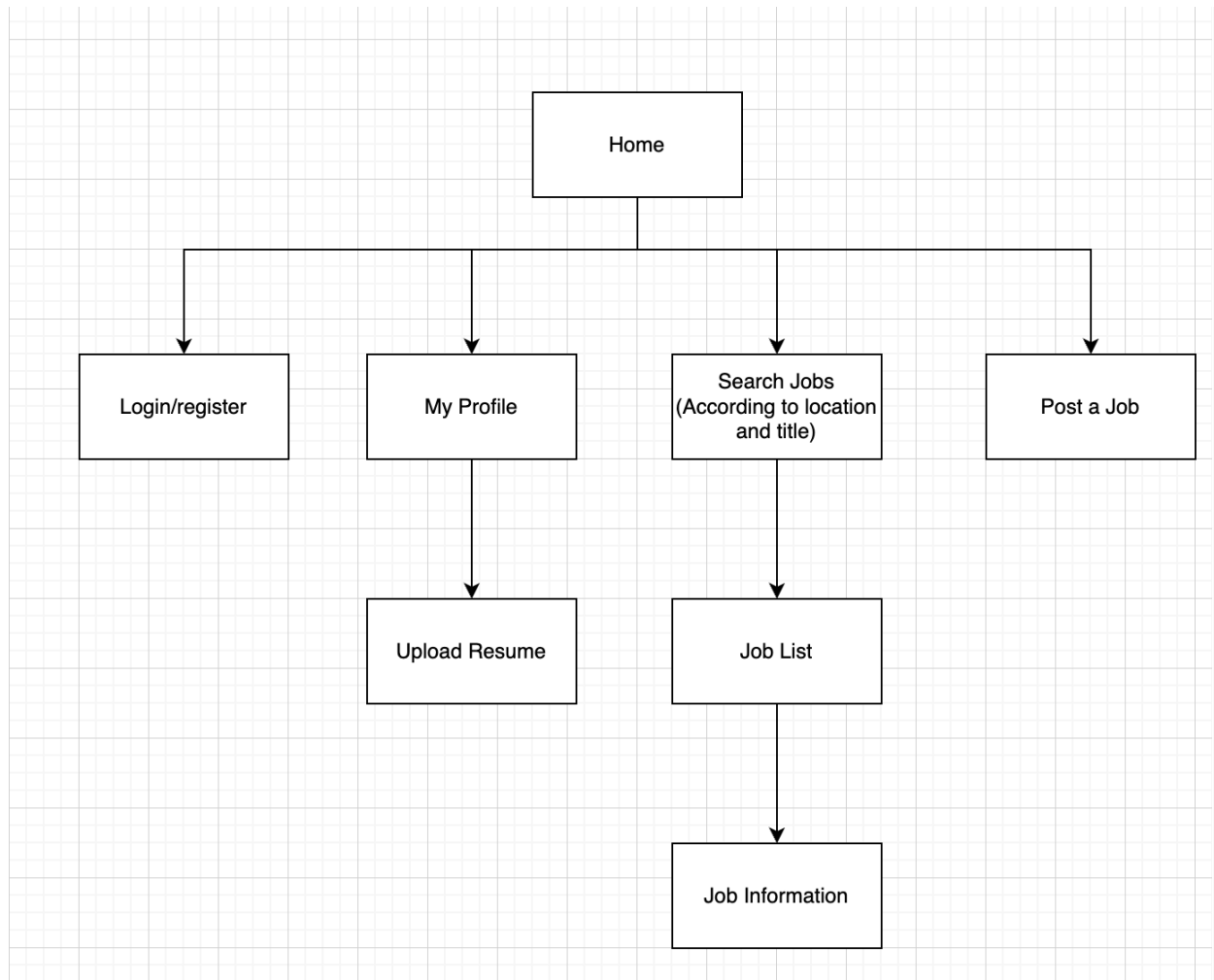
1.5 Tech Stack and APIs

Google Job API - https://serpapi.com/search.json?engine=google_jobs&api_key=Your_API_KEY
- *HTML, SASS, JAVASCRIPT, REACT*
- *FIREBASE – for user login/registration Authentication & Database*

2. Client-Side Implementation

Site Map

In list format:
- *Home*
- *Login*
- *Register*
- *My profile*
- *Features*
  - *Search a job*
  - *Post a Job*

3. Server-Side Implementation

3.1 End-Point Descriptions

A list of endpoints the server will implement, HTTP methods for the end points, and any parameters that the endpoint will accept to fulfill the request. e.g.:

End-point	Response Format
HTTP GET - search.json?engine=google_jobs&q=software+developer&gl=ca	*{ "jobs_results": [* *{* *"title": "Software Developer (JAVA)",* *"company_name": "Databyte Technology",* *"location": "Canada",* *"via": "via LinkedIn",* *"description": "Java Developer role\n\nMultiple Openings For Developers With Different Experience Levels\n\nRemote Role (Mandatory to be present in Canada)\n• Bachelor's degree in Computer Science or Software Engineering with a thorough understanding of fundamental theory relevant to application development.\n• 8 Plus years (Preffered)of experience hands-on JAVA development Experience\n• Well versed in object-oriented programming concepts and design patterns\n• Experience with microservice and/or client-server architectures\n• Experience designing and implementing multi-threaded, multi-process large scale systems\n• Proficient with Core Java, advance Java ,Spring Boot, JPA, Hibernate\n• Experience maintaining REST APIs for 3rd party integration\n• Experience with Financial industry is a Big Plus\n• Experience using AWS Cloud Technology is a Big Plus\n• Full stack candidates (NOT*

	MANDATORY) will have demonstrated experience with modern front-end technologies such as TypeScript, HTML, CSS and frameworks such as... ReactJS, NextJS, AngularJS, Vue.js", * "extensions": [* * "9 hours ago",* * "Full–time"* *],* * "detected_extensions": {* * "posted_at": "9 hours ago",* * "schedule_type": "Full–time"* * },* * "job_id":* *"eyJqb2JfdGl0bGUiOiJTb2Z0d2FyZSBEZXZlbG9wZXIgKEpBVkEpIiwiaHRpZG9jaWQiOiJlampnMjNsTXdQWUFBQUFBQUFBQUFBPT0iLCJ1dWxljoidytDQUlRRUyRnVZV1JoliwiZ2wiOiJjYSlsImhsIjoiZW4iLCJhcHBseV9saW5rIjp7InRpdGxljoiLm5GZzJlYntmb250LXdlaWdodDo1MDB9LkjpNkRkY3tmb250LXdlaWdodDo1MDB9QXBwbHkgb24gTGlua2VkSW4iLCJsaW5rIjoiaHR0cHM6Ly9jYS5saW5rZWRpbi5jb20vam9icy92aWV3L3NvZnRR3YXJlLWRldmVsb3Blci1qYXZhLWF0LWRhFieXRlLXRlY2hub2xvZ3ktMzE4NjYzNDYzMD91dG1fY2FtcGFpZ249Z29vZ2xlX2pvYnNfYXBwbHkmdXRtX3NvdXJjZT1nb29nbGVfam9ic19hcHBseSZ1dG1fbWVkaXVtPWdvb2dsZV9qb2JzX2FwcGx5XHUwMDI2dXRtX21lZGl1bT1vcmdhbmljln19"* * },...] }*

GET – Job Listing with JOB ID
https://serpapi.com/search?engine=google_jobs_listing
	"salaries": [
	  {
	    "job_title": "Creative Director",
	    "link":
	"https://www.payscale.com/research/UK/Job=Creative_Director/Salary/3aefcb0b/London-Branding?utm_campaign=google_jobs_salary&utm_source=google_jobs_salary&utm_medium=organic",
	    "source": "Payscale",

      "salary_from": 39000,
      "salary_to": 99000,
      "salary_currency": "£",
      "salary_periodicity": "year",
      "thumbnail": "https://serpapi.com/searches/62df8b8e654a8c575ea6b334/images/61d87912fde92ae8b89026672ea1b3e1be04cedf9a98b443.png",
      "based_on": "Based on local employers"
    },
    {
      "job_title": "Creative Manager",
      "link": "https://www.reed.co.uk/average-salary/average-creative-manager-salary-in-london?utm_campaign=google_jobs_salary&utm_source=google_jobs_salary&utm_medium=organic",
      "source": "reed.co.uk",
      "salary_from": 39000,
      "salary_to": 160000,
      "salary_currency": "£",
      "salary_periodicity": "year",
      "thumbnail": "https://serpapi.com/searches/62df8b8e654a8c575ea6b334/images/61d87912fde92ae853306073b782b3eb211d77346a691dd5.png",
      "based_on": "Based on local employers"
    },
    {
      "job_title": "Creative Strategist",
      "link": "https://www.glassdoor.com/Salaries/london-creative-strategist-salary-SRCH_IL.0,6_IM1035_KO7,26.htm?utm_campaign=google_jobs_salary&utm_source=google_jobs_salary&utm_medium=organic",
      "source": "Glassdoor",
      "salary_from": 39000,
      "salary_to": 90000,

```
      "salary_currency": "£",
      "salary_periodicity": "year",
      "thumbnail":
"https://serpapi.com/searches/62df8b8e654a
8c575ea6b334/images/61d87912fde92ae8
46d2e4f7456ecccbfade7211bb3e8cc3.png",
      "based_on": "Based on local employers"
    }
  ],
  "ratings": [
    {
      "link":
"https://www.glassdoor.com/Reviews/FARFE
TCH-Reviews-
E799159.htm?utm_campaign=google_jobs_r
eviews&utm_source=google_jobs_reviews&u
tm_medium=organic",
      "source": "Glassdoor",
      "rating": 4.2,
      "reviews": 1118
    },
    {
      "link":
"https://www.comparably.com/companies/34
1652/reviews?utm_campaign=google_jobs_r
eviews&utm_source=google_jobs_reviews&u
tm_medium=organic",
      "source": "Comparably",
      "rating": 4.3,
      "reviews": 93
    },
    {
      "link":
"https://www.ambitionbox.com/reviews/farfe
tch-
reviews?utm_campaign=google_jobs_review
s&utm_source=google_jobs_reviews&utm_m
edium=organic",
      "source": "AmbitionBox",
      "rating": 2.0,
      "reviews": 1
```

| | } |
| |] |

3.2 External APIs that will be consumed

- https://serpapi.com/search.json?engine=google_jobs_listing&q=JOB_ID&api_key=API_KEY
- https://serpapi.com/search.json?engine=google_jobs&q=JOB_TITLE&gl=ca&hl=en&api_key=API_KEY&location=LOCATION

A good documentation is provided for developer- https://serpapi.com/google-jobs-api

3.4 Authentication/Authorization and Security

A project will use FIREBASE authentication services for user secure login and registration into application.

4. Project Roadmap

Phase 1

Day	Goal
1 (Wed)	*Create basic Template. Start with header and my profile page*
2 (Thurs)	*Implement Search according to Title and location*
3 (Friday)	*Show List of jobs from Google Map API and render into List*
4 (Mon)	*Get job information from Job ID and show the Job Details*
5 (Tues)	*Work on Login / registration and connect Auth with Firebase*
6 (Wed)	*Implement Post a job forms and connect with firebase Database. Also Store my profile data into Firebase*
7 (Thurs)	*Improve styling of website*
8 (Fri)	*Unit testing of Functionality*
9 (Mon)	*Code Clean up, last minute testing/debugging*

10 (Tues)	DEPLOYMENT
11 (Wed)	DEMO DAY

Phase 2

This is what features you may complete if you have extra time, or what you would work on next after Phase 1 is complete.

Phase 3

This is nice to have features or future enhancements that are more complex, or take the project to a more completed, production-ready state.

5. Demo Day Information

Please fill out the Google Forms that will be sent out via Slack. This information will be used to complete your presentation and to showcase your profile on the BrainStation website.