JobCruncher

Your getaway to new oppurtunities!

Scan me

welcome to JobCruncher - designed for busy individuals balancing studies, projects, and personal interests. Our streamlined platform simplifies job searching, allowing you to quickly find well-matched roles. With an intuitive interface, you can filter job postings by title, location, company, skills, and job type.

Join today and simplify your job search—focus on what matters while we find the best roles for you!

How It Works

- Profile Setup: Quickly set up an account to personalize your experience and securely manage your information.
- Explore Jobs: Filter job postings based on specific criteria—such as title, location, company, skills, and job type—to easily find relevant roles.
- Stay Updated: Get fresh listings daily with up-to-date job information, saving you the hassle of constantly searching.

Why JobCruncher?

Bookmark Jobs

Save listings that catch your eye and revisit them later with our convenient bookmarking feature.

Resume Management

Upload, save, and view your resume as a PDF, all from your profile page.

Enhanced Database Setup

Reconfigured the database to ensure reliable functionality, adding new tables to support seamless data management.

Password Recovery Options

Easily reset or recover your password to ensure secure access at all times.

Integrated and User-Friendly Design

Navigate effortlessly with an intuitive interface featuring dedicated pages for your profile, job search, and settings.

Future Milestones!

Serverless Deployment

Use AWS Lambda, S3, CloudWatch, and SNS to make JobCruncher server less, enabling scheduled job scraping from employment sites every few hours.

Resume analyzer

Provide a resume analyzer that offers services to match jobs by analyzing resumes, give ATS scores, and suggest personalized resume improvements for specific jobs.

Two-Factor Authentication (2FA)

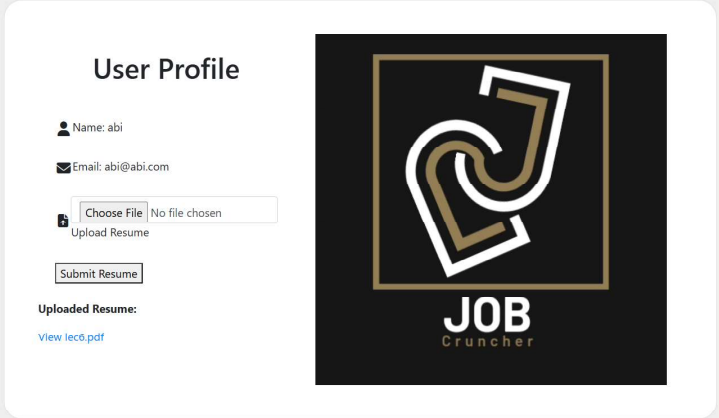
Add 2FA for enhanced security, reducing the risk of unauthorized access.

Recruiter page

Introduce a recruiter user type with tools to create, manage, and oversee job listings.

Notification System

Enable a notification system to send email alerts about new job openings tailored to users' preferences.



Flask

mongoDB.

Selenium

pytest

60 Testcases

79% CodeCoverage

Group 59

- Ishwarya Anandakrishnan
- Abishek Viswanath Pittamandalam
- Ashwinkumar Manickam Vaithiyanathan

CSC 510 (001) Fall 2024 Software Engineering
Project 2

Group no: 59
Group members:
Abishek Viswanath Pittamandalam - apittam
Ashwinkumar Manickam Vaithiyanathan - amanick
Ishwarya Anandakrishnan - iananda

Webpage name: JobCruncher

Github repository link:
https://github.com/SE24Fall/Job-Analyzer

Rubric Table:
Sum of column 2: 98

Notes	self-assessment	evidence
Number of commits	3	contributors
Number of commits: by different people	3	commits
Issues reports: there are many	3	commits
Issues are being closed	3	Bug reports
Docs: doco generated, format not ugly	3	Closed issues
Docs: what: point descriptions of each class/function (in isolation)	3	docs
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	docs
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	3	README.md

Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	README.md
Use of version control tools	3	video
Test cases exist	3	Test cases
Test cases are routinely executed	3	Git actions
Issues are discussed before they are closed	3	WhatsApp, Google meet
Chat channel: exists	3	WhatsApp, Google meet
Test cases: a large proportion of the issues related to handling failing cases.	2	Issues
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	Use of Github throughout with frequent commits
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3	requirements.txt
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	3	
Evidence that the members of the team are working across multiple places in the code base	3	
Short release cycles	3	Releases
The file .gitignore lists what files should not be saved to the repo. See [examples]i(https://github.com/github/gitignore)	3	.gitignore

The file INSTALL.md lists how to install the code	3	INSTALL.md
The file LICENSE.md lists rules of usage for this repo	3	LICENSE.md
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example; e.g. see example	3	CODE-OF-CONDUCT.md
The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see example	3	CONTRIBUTING.md
The file README.md contains all the following	3	README.md
Video	3	Video
DOI badge: exists. To get a Digitial Object Indentifier, regiser the project at Zenodo.	3	DOI
Badges showing your style checkers	3	README.md
Badges showing your code formatters.	3	README.md
Badges showing your syntax checkers.	3	README.md
Badges showing your code coverage tools	3	README.md
Badges showing any other Other automated analysis tools	3	README.md
Does your website and documentation provide a clear, high-level overview of your software?	yes	
Does your website and documentation clearly describe the type of user	yes	

who should use your software?		
Do you publish case studies to show how your software has been used by yourself and others?	yes	
Is the name of your project/software unique?	yes	
Is your project/software name free from trademark violations?	yes	
Is your software available as a package that can be deployed without building it?	no	
Is your software available for free?	yes	
Is your source code publicly available to download, either as a downloadable bundle or via access to a source code repository?	yes	
Is your software hosted in an established, third-party repository likeGitHub (https://github.com), BitBucket (https://bitbucket.org),LaunchPad (https://launchpad.net) orSourceForge (https://sourceforge.net)?	yes	
Is your documentation clearly available on your website or within your software?	yes	

Does your documentation include a "quick start" guide, that provides a short overview of how to use your software with some basic examples of use?	yes	
If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software?	yes	
Do you provide a comprehensive guide to all your software's commands, functions and options?	yes	
Do you provide troubleshooting information that describes the symptoms and step-by-step solutions for problems and error messages?	No	
If your software can be used as a library, package or service by other software, do you provide comprehensive API documentation?	NA	
Do you store your documentation under revision control with your source code?	NA	
Do you publish your release history e.g. release data, version numbers, key features of each release etc. on your web site or in your documentation?	yes	

Does your software describe how a user can get help with using your software?	yes	
Does your website and documentation describe what support, if any, you provide to users and developers?	no	
Does your project have an e-mail address or forum that is solely for supporting users?	no	
Are e-mails to your support e-mail address received by more than one person?	NA	
Does your project have a ticketing system to manage bug reports and feature requests?	no	
Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests?	NA	
Is your software’s architecture and design modular?	yes	
Does your software use an accepted coding standard or convention?	yes	
Does your software allow data to be imported and exported using open data formats?e.g. GIF, SVG, HTML, XML, tar, zip, CSV, JSON, NetCDF, or domain specific ones	yes	

Does your software allow communications using open communications protocols?e.g. HTTP, FTP, XMPP, SOAP over HTTP, or domain-specific ones	yes	
Is your software cross-platform compatible?e.g. does it run under two or more of Windows, Unix/Linux and Mac OS X, or can be used from within two or more of Internet Explorer, Chrome, Firefox and Safari?	yes	
Does your software adhere to appropriate accessibility conventions or standards?	yes	
Does your documentation adhere to appropriate accessibility conventions or standards?	yes	
Is your source code stored in a repository under revision control?	yes	
Is each source code release a snapshot of the repository?	yes	
Are releases tagged in the repository?	yes	
Is there a branch of the repository that is always stable? (i.e. tests always pass, code always builds successfully)	Yes	
Do you back-up your repository?	Yes	
Do you provide publicly-available	yes	

instructions for building your software from the source code?		
Can you build, or package, your software using an automated tool?*e.g. Make (https://www.gnu.org/software/make/), ANT (http://ant.apache.org/), Maven (https://maven.apache.org/), CMake (https://cmake.org/), Python setuptools (https://pypi.python.org/pypi/setuptools), or R package tools (https://cran.r-project.org/doc/manuals/r-devel/R-exts.html)	NA	
Do you provide publicly-available instructions for deploying your software?	yes	
Does your documentation list all third-party dependencies?	NA	
Does your documentation list the version number for all third-party dependencies?	NA	
Does your software list the web address, and licences for all third-party dependencies and say whether the dependencies are mandatory or optional?	NA	
Can you download dependencies using a dependency management tool or package manager?* e.g. Ivy	NA	

(http://ant.apache.org/ivy/), Maven (https://maven.apache.org/), Python pip (https://pypi.python.org/pypi/pip) or setuptools (https://pypi.python.org/pypi/setuptools), PHP Composer (https://getcomposer.org/), Ruby gems (https://rubygems.org), or R PackRat (https://rstudio.github.io/packrat/)		
Do you have tests that can be run after your software has been built or deployed to show whether the build or deployment has been successful?	yes	
Do you have an automated test suite for your software?	no	
Do you have a framework to periodically (e.g. nightly) run your tests on the latest version of the source code?	no	
Do you use continuous integration, automatically running tests whenever changes are made to your source code?	Yes	
Are your test results publicly visible?	Yes	
Are all manually-run tests documented?	No	
13)Does your project have resources (e.g. blog,	No	

Twitter, RSS feed, Facebook page, wiki, mailing list) that are regularly updated with information about your software?* e.g. release announcements, publications, workshops, conference presentations		
Does your website state how many projects and users are associated with your project?	Yes	
Do you provide success stories on your website?	No	
Do you list your important partners and collaborators on your website?	No	
Do you list your project's publications on your website or link to a resource where these are available?	No	
Do you list third-party publications that refer to your software on your website or link to a resource where these are available?	No	
Can users subscribe to notifications to changes to your source code repository?	Yes	
If your software is developed as an open source project (and, not just a project developing open source software), do you have a governance model?	Yes	

14)Do you accept contributions (e.g. bug fixes, enhancements, documentation updates, tutorials) from people who are not part of your project?	Yes	
Do you have a contributions policy?	Yes	
Is your contributions' policy publicly available?	Yes	
Do contributors keep the copyright/IP of their contributions?	No	
15)Does your website and documentation clearly state the copyright owners of your software and documentation?	Yes	
Does each of your source code files include a copyright statement?		
Does your website and documentation clearly state the licence of your software?	Yes	
Is your software released under an open source licence?	Yes	
Is your software released under an OSI-approved open-source licence?	Yes	
Does each of your source code files include a licence header?	No	
Do you have a recommended citation for	Yes	

your software?		
16)Does your website or documentation include a project roadmap (a list of project and development milestones for the next 3, 6 and 12 months)?	Yes	
Does your website or documentation describe how your project is funded, and the period over which funding is guaranteed?	No	
Do you make timely announcements of the deprecation of components, APIs, etc.?	NO	