WOLFTRACK 7.0

NC STATE UNIVERSITY

GROUP 50 - UDDHARSH VASILI, SAI VINEEL REDDY MARREDDY, CHANDRAKANT KONETI

ABOUT WOLFTRACK

WolfTrack is the ultimate platform designed to simplify and streamline the process of managing your internships and job applications. With WolfTrack, you can effortlessly organize your opportunities, keep track of critical deadlines, and receive customized tips to enhance your resume for each application. The user-friendly interface ensures a seamless experience, allowing you to focus on your career goals without worrying about disorganized notes or missed opportunities. Take control of your application process and start your journey toward a successful career with WolfTrack today!

Key-Functionalities before update
Students can easily log in or sign up to efficiently manage their job applications and track the progress of each one through an intuitive dashboard. The platform also allows users to access associated questionnaires, ensuring a seamless and organized application process. Additionally, students have the option to analyze their resumes, receiving insights and suggestions to enhance their quality. This feature enables users to tailor their resumes to better match job requirements, increasing their chances of success. Overall, the system provides a comprehensive solution for students to stay on top of their career opportunities.

Advanced Search Filters
Easily refine your search based on department, job type, or experience level, ensuring the right job is just a click away.

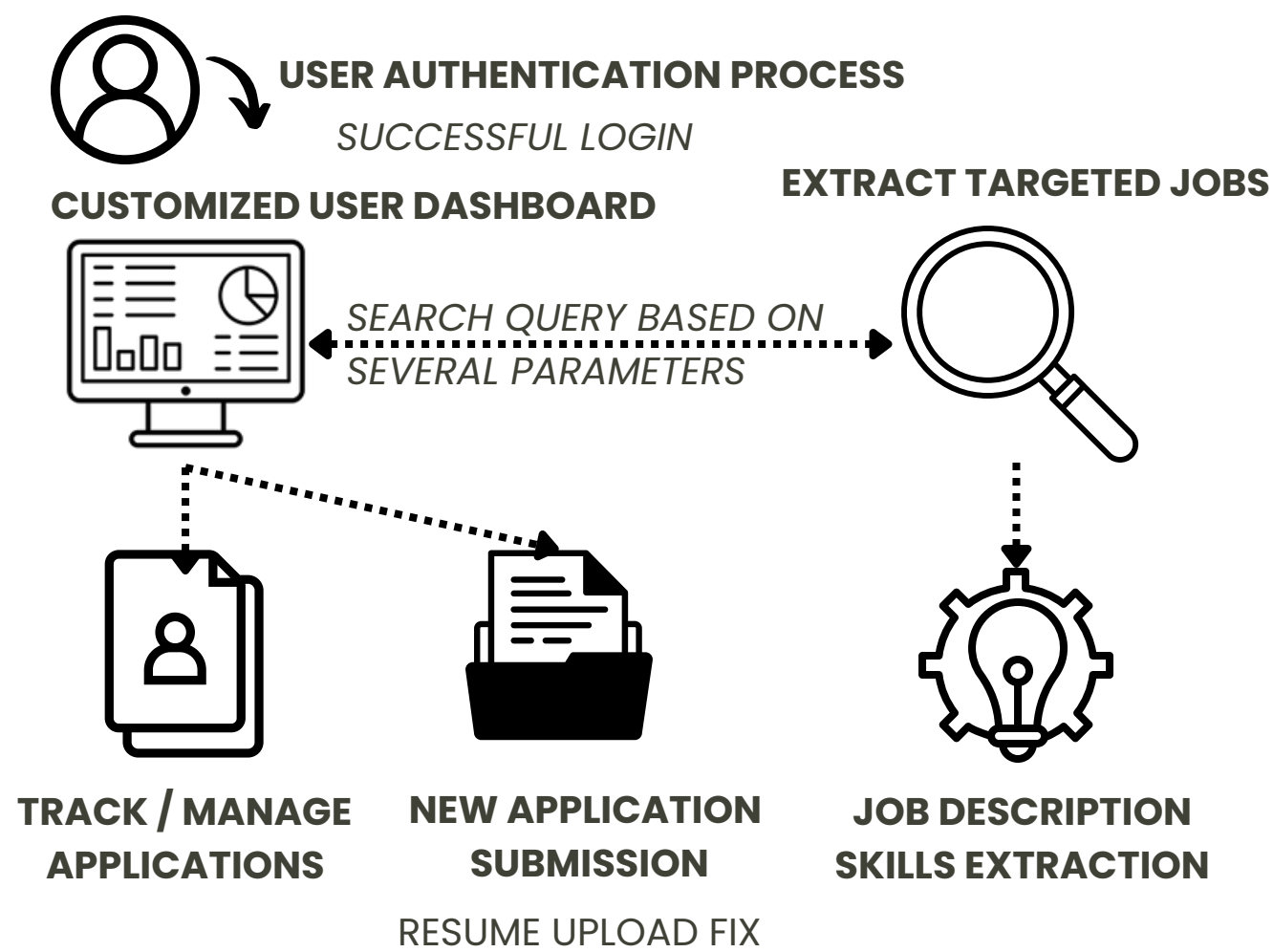### TOTAL TEST CASES WRITTEN: 92

REPO LINK   **DEMO LINK**

FUTURE UPDATES DEMO

WORKFLOW

USER AUTHENTICATION PROCESS
SUCCESSFUL LOGIN

CUSTOMIZED USER DASHBOARD

EXTRACT TARGETED JOBS

SEARCH QUERY BASED ON SEVERAL PARAMETERS

TRACK / MANAGE APPLICATIONS

NEW APPLICATION SUBMISSION
RESUME UPLOAD FIX

JOB DESCRIPTION SKILLS EXTRACTION

WHAT'S RECENTLY ADDED?

JOB BOARD MANAGEMENT
- Added an "Add Job Application" button that opens a modal to capture and store job application details, enabling users to track their applied jobs efficiently.
- Implemented essential features such as editing, deleting, and filtering job applications, offering users multiple options to organize and trace their applications effortlessly.
- Enhanced job search to help users track applied companies and locations with ease.

COMPREHENSIVE DATA VALIDATION
- Implemented input validations to improve data accuracy and application reliability in the frontend.
- Established robust backend validations to reinforce database security, preventing unauthorized access and safeguarding against potential vulnerabilities.

TAKE ADVANTAGE OF INNOVATIVE FEATURES:
RESUME UPLOAD, SKILL EXTRACTION, ADD JOBS FROM SEARCH
- Implemented Resume Management features, enabling users to securely upload their resumes with robust data protection and effortlessly download their latest version anytime.
- Enhanced the skill extraction process to handle large job descriptions faster, addressing limitations from previous versions.
- Implemented a feature to directly add job applications from job search to the job board without manual entry.

UI/UX ENHANCEMENTS
- Improved user-friendly messages, real-time validation, and a cleaner, responsive layout for seamless navigation during login and signup, ensuring a better overall user experience.
- Created reusable, modular UI elements for the login and signup pages, ensuring design consistency across the application and facilitating easier updates in the future.

WORKING SCREENSHOT
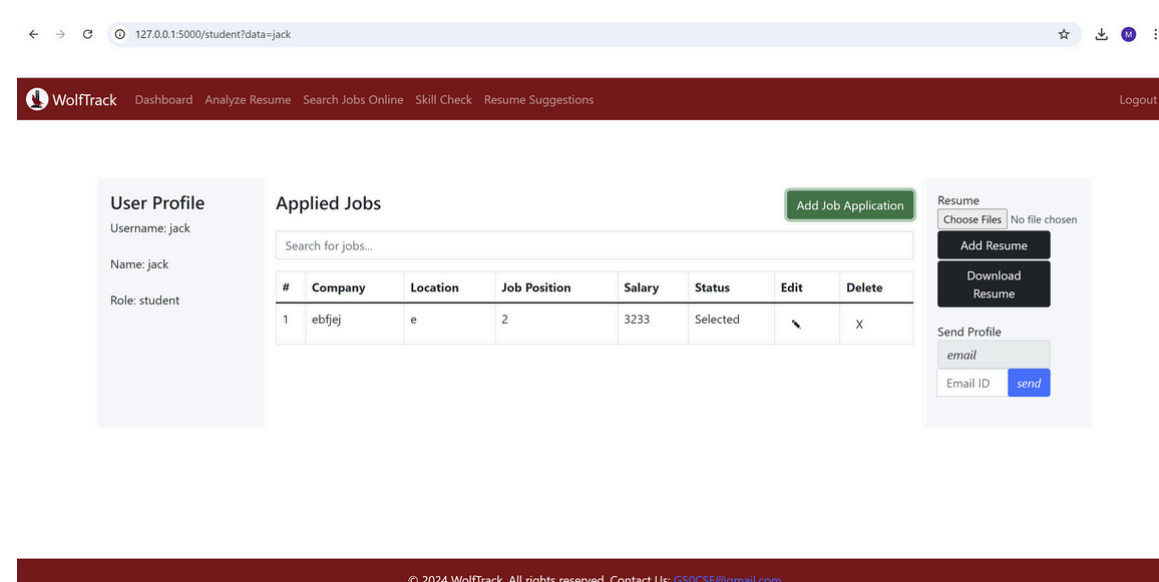
FUTURE ENHANCEMENTS

ENHANCED SECURITY WITH 2FA/MFA
Enhance account security by implementing 2FA/MFA for a safer experience.

SMART SALARY-BASED JOB FILTERING
Filter jobs by salary to match roles with your desired pay.
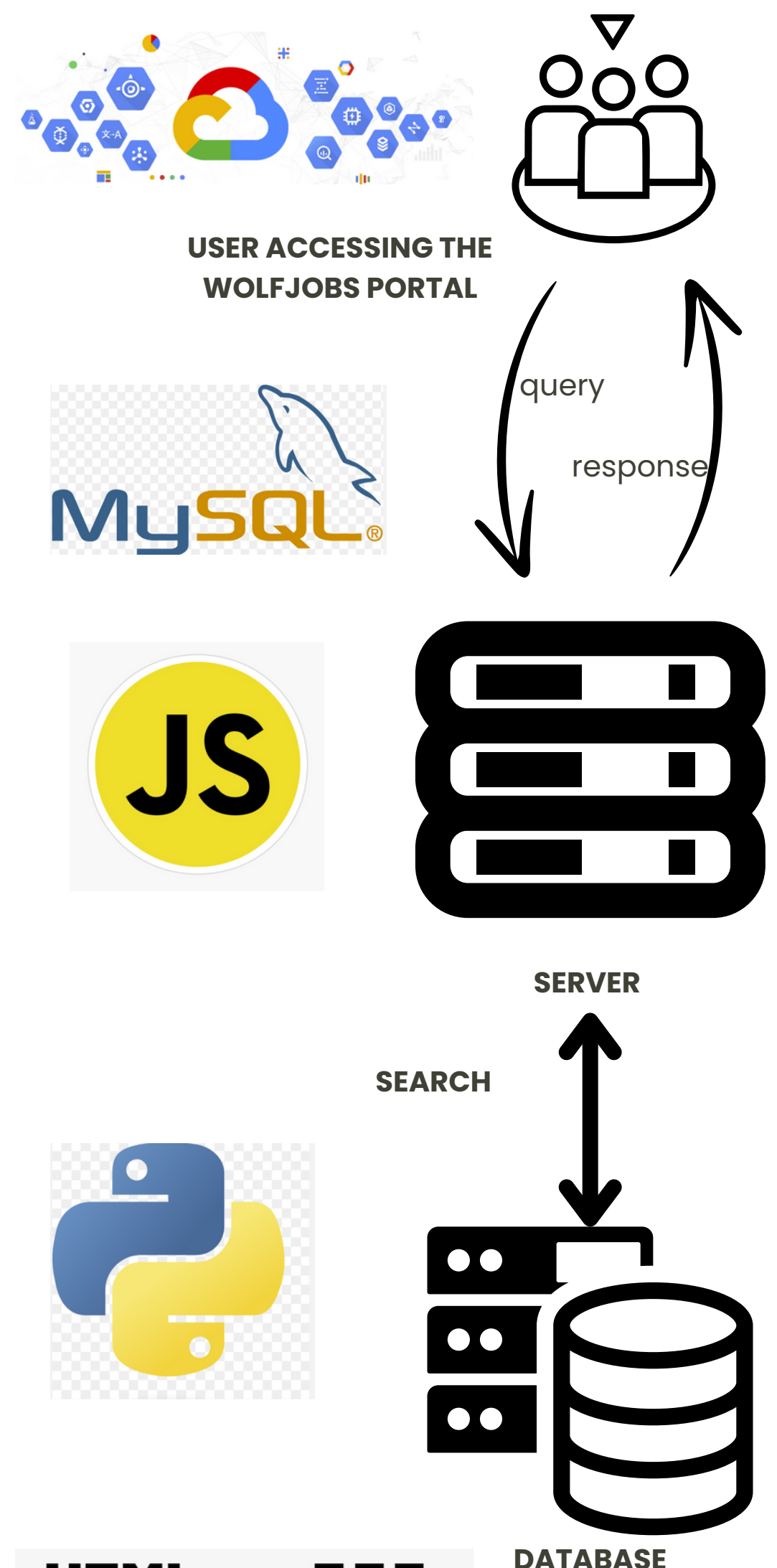
TRANSITION TO REAL-TIME DATABASE
Transition from a local database to a real-time, scalable database for improved performance and data handling.

PROVIDE RESET PASSWORD FUNCTIONALITY
Helps the Admins and students to reset their password in the event when they forget.

ENHANCED APLLICATION SECURITY
In the future, implementing HTTPS across all pages will be essential to enhance security by encrypting user data during transmission. This will ensure a safer, more secure user experience, meeting industry standards for data protection.

USER ACCESSING THE WOLFJOBS PORTAL

query

response

MySQL

JS

SERVER

SEARCH

Python

DATABASE

HTML **CSS**

Software Engineering
Project 3

Member 1- Sai Vineel Reddy Marreddy,
Member 2- Chandrakanth Koneti,
Member 3- Uddharsh Vasili

Github link: https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/tree/New_G50-WolfTrack7.0

The total sum for Group score including the sustainability form data is 298.

Notes	Group Score	Evidence
Workload is spread over the whole team (one team member is often Xtimes more productive than the others…but nevertheless, here is a track record that everyone is contributing a lot)	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/pulse
Number of commits	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/pulse
Number of commits: by different people	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/pulse While the number of commits differs among

		members, each has contributed equally to the project's development.
Issues reports: there are **many**	3	Issues opened-6 https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/issues
Issues are being closed	3	Issues closed- 5 https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/issues
Docs: doco generated, format not ugly	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/tree/New_G50-WolfTrack7.0/docs

Docs: what: point descriptions of each class/function (in isolation)	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/tree/New_G50-WolfTrack7.0/docs
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
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	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md

Use of version control tools	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Test cases exist	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/tree/New_G50-WolfTrack7.0/UnitTesting
Test cases are routinely executed	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/tree/New_G50-WolfTrack7.0/.github/workflows
Issues are discussed before they are closed	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/issues/3 Most of the issues were discussed in person

Chat channel: exists	3		https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/issues/3
Test cases: a large proportion of the issues related to handling failing cases.	1		https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/issues/3
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3		https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/Main/requirements.txt Visual Studio,Git
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3		https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/prettierrc.json

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	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/prettierrc.json
Evidence that the members of the team are working across multiple places in the code base	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/commits/New_G50-WolfTrack7.0/
Short release cycles	1	
The file .gitignore lists what files should not be saved to the repo.	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/.gitignore
The file INSTALL.md lists how to install the code	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/INSTALL.md

The file LICENSE.md lists rules of usage for this repo	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/LICENSE
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/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	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/CONTRIBUTING.md
The file README.md contains all the following	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md

Video	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
DOI badge: exists. To get a Digitial Object Indentifier, regiser the project at Zenodo. DOI badges look like this:	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Badges showing your style checkers	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Badges showing your code formatters.	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md

Badges showing your syntax checkers.	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Badges showing your code coverage tools	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md
Badges showing any other Other automated analysis tools	3	https://github.com/CSC510-SE-Uddharsh-Vineel-Chandrakant/G50-WolfTrack7.0/blob/New_G50-WolfTrack7.0/README.md

Sustainability Form:- (203)

Points	Group Score	Evidence
Does your website and	3	

documentation provide a clear, high-level overview of your software?		
Does your website and documentation clearly describe the type of user who should use your software?	3	
Do you publish case studies to show how your software has been used by yourself and others?	1	
Is the name of your project/software unique?	3	
Is your project/software name free from trademark violations?	3	
Is your software available as a package that can be deployed without building it?	2	
Is your software available for free?	3	
Is your source code publicly available to download, either as a downloadable bundle or via access to a source code repository?	3	
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)?	3	
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?	3	
If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software?	3	
Do you provide a comprehensive guide to all your software's commands, functions and options?	2	
Do you provide troubleshooting	1	

information that describes the symptoms and step-by-step solutions for problems and error messages?		
If your software can be used as a library, package or service by other software, do you provide comprehensive API documentation?	3	
Do you store your documentation under revision control with your source code?	2	
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?	2	
Does your software describe how a user can get help with using your software?	3	
Does your website and documentation describe what support, if any, you provide to users and developers?	3	
Does your project have an e-mail address or forum that is solely for supporting users?	3	
Are e-mails to your support e-mail address received by more than one person?	3	
Does your project have a ticketing system to manage bug reports and feature requests?	1	
Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests?	0	
Is your software's architecture and design modular?	3	
Does your software use an accepted coding standard or convention?	3	
Does your software allow data to be imported and exported using open data formats? e.g. GIF, SVG, HTML, XML, tar,	2	

zip, CSV, JSON, NetCDF, or domain specific ones		
Does your software allow communications using open communications protocols? e.g. HTTP, FTP, XMPP, SOAP over HTTP, or domain-specific ones	3	
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?	3	
Does your software adhere to appropriate accessibility conventions or standards?	3	
Does your documentation adhere to appropriate accessibility conventions or standards?	3	
Is your source code stored in a repository under revision control?	3	
Is each source code release a snapshot of the repository?	2	
Are releases tagged in the repository?	2	
Is there a branch of the repository that is always stable? (i.e. tests always pass, code always builds successfully)	3	
Do you back-up your repository?	3	
Do you provide publicly-available instructions for building your software from the source code?	3	
Can you build, or package, your software using an automated tool?	3	
Do you provide publicly-available instructions for deploying your software?	3	
Does your documentation list all	3	

third-party dependencies?		
Does your documentation list the version number for all third-party dependencies?	3	
Does your software list the web address, and licences for all third-party dependencies and say whether the dependencies are mandatory or optional?	3	
Can you download dependencies using a dependency management tool or package manager?	3	
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?	3	
Do you have an automated test suite for your software?	3	
Do you have a framework to periodically (e.g. nightly) run your tests on the latest version of the source code?	3	
Do you use continuous integration, automatically running tests whenever changes are made to your source code?	3	
Are your test results publicly visible?	3	
Are all manually-run tests documented?	3	
Does your project have resources (e.g. blog, Twitter, RSS feed, Facebook page, wiki, mailing list) that are regularly updated with information about your software?	1	
Does your website state how many projects and users are associated with your project?	3	
Do you provide success stories on your website?	0	
Do you list your important	3	

partners and collaborators on your website?		
Do you list your project's publications on your website or link to a resource where these are available?	0	
Do you list third-party publications that refer to your software on your website or link to a resource where these are available?	1	
Can users subscribe to notifications to changes to your source code repository?	1	
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?	3	
Do you accept contributions (e.g. bug fixes, enhancements, documentation updates, tutorials) from people who are not part of your project?	3	
Do you have a contributions policy?	3	
Is your contributions' policy publicly available?	3	
Do contributors keep the copyright/IP of their contributions?	0	
Does your website and documentation clearly state the copyright owners of your software and documentation?	2	
Does each of your source code files include a copyright statement?	2	
Does your website and documentation clearly state the licence of your software?	3	
Is your software released under an open source licence?	3	
Is your software released under	3	

an OSI-approved open-source licence?		
Does each of your source code files include a licence header?	1	
Do you have a recommended citation for your software?	0	
Does your website or documentation include a project roadmap (a list of project and development milestones for the next 3, 6 and 12 months)?	3	
Does your website or documentation describe how your project is funded, and the period over which funding is guaranteed?	0	
Do you make timely announcements of the deprecation of components, APIs, etc.?	3	