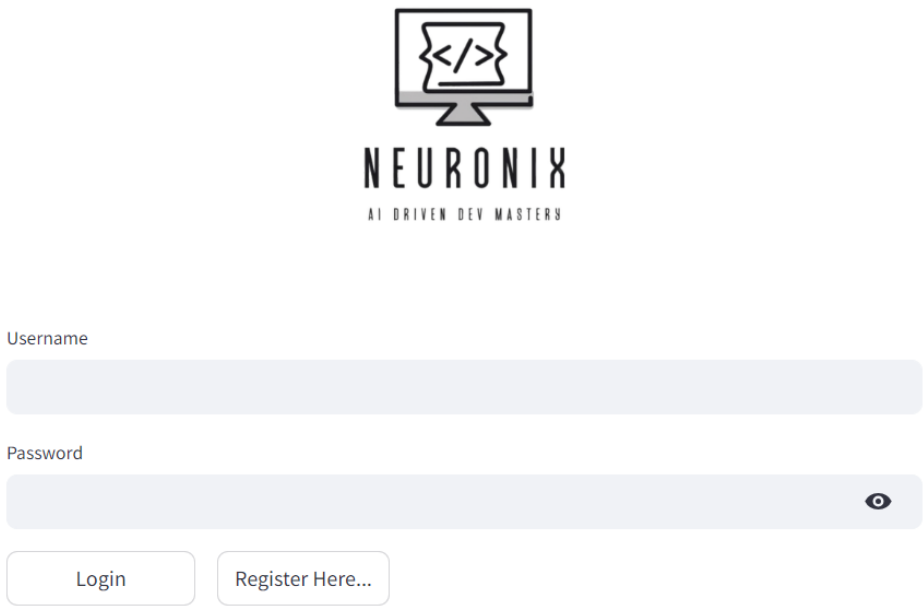
Neuronix : AI-Powered Coding Platform User Guide

Introduction

The AI-powered coding platform is a comprehensive tool designed to assist developers in their coding journey. The platform integrates several features, including code suggestions, automated code reviews, Jira ticket generation, design-to-code capabilities, and automated pull request merges. This guide will walk you through the features and functionality of the platform.

Login and Registration



Login

To get started, users must log in to the platform:

1. **Enter your username and password.**
2. If the credentials are valid, you will be redirected to the **welcome screen**.

Registration

New users can sign up by providing:

- **Username**
- **Password**
- **Email Address**

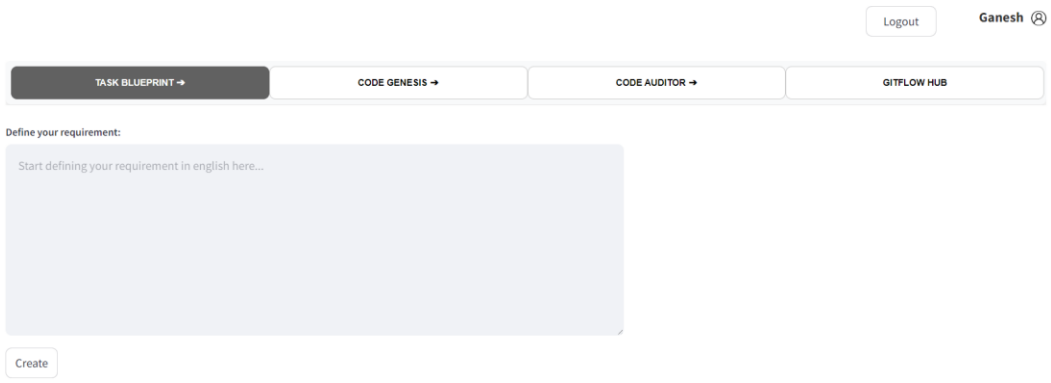
Once registered, users can log in to the platform using the credentials created.

Welcome Screen

Upon successful login, users are redirected to the **Welcome Screen**, which includes:

- **Profile Section**: Displays the user's name and logo.

Screenshot:

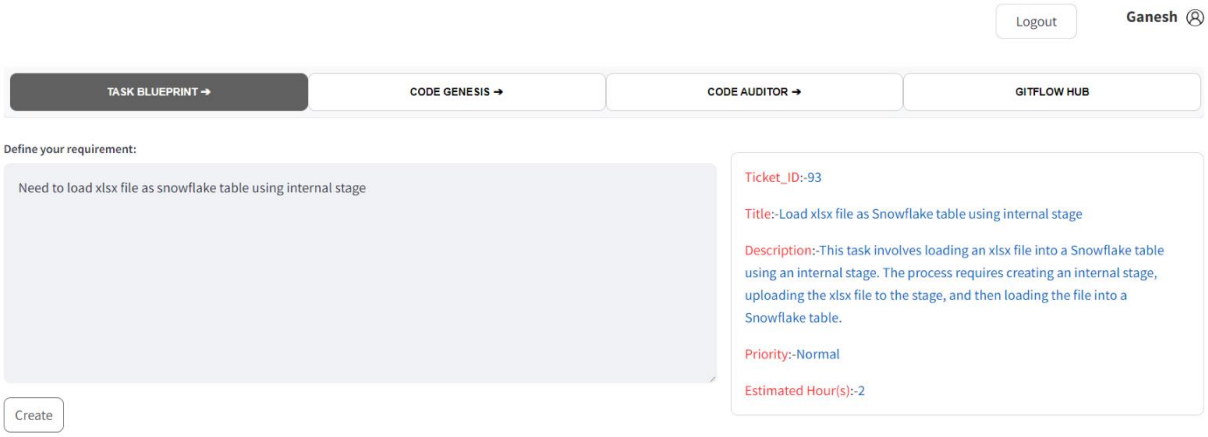


Task Blueprint

The **Task Blueprint** feature enables users to:

- Define requirements and generate a structured response with:
  - **Title**
  - **Description**
  - **Priority**
  - **Estimated Hours**

UI Screenshot:

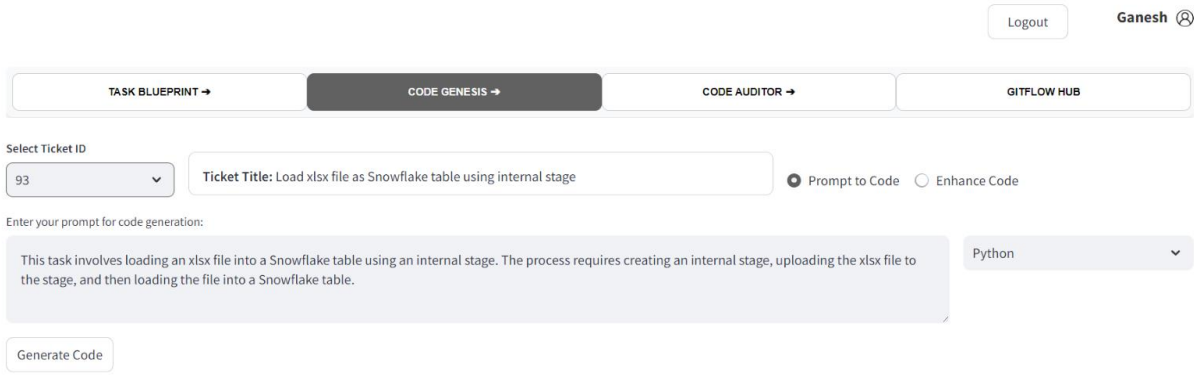


Code Genesis

The **Code Genesis** feature, still under development, will be integrated soon and includes two tabs:

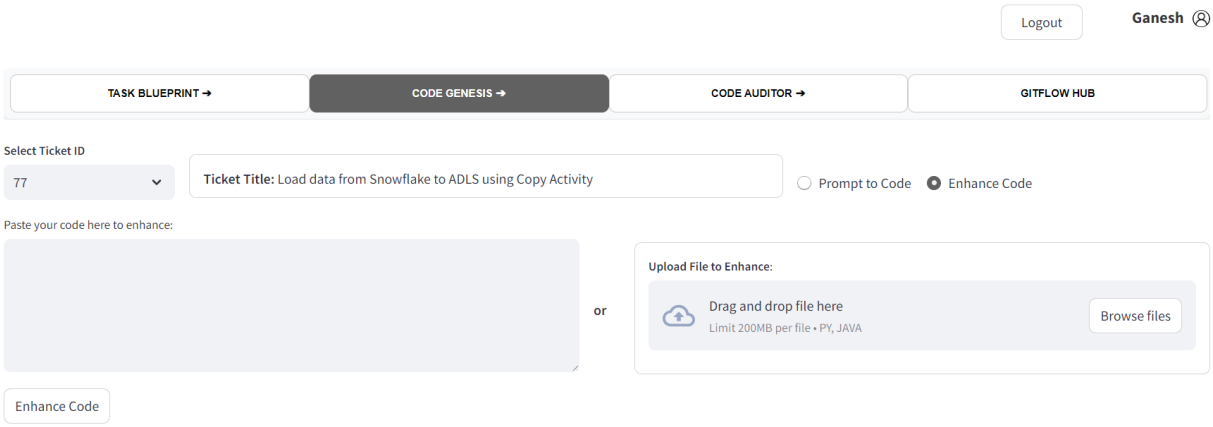
1. **Prompt to Code**: Allows users to enter a prompt for code generation and select a programming language.

UI Screenshot:



Enhance Code: Enables users to paste code or upload a file for enhancement, providing optimized code suggestions.

Screenshot:



Code Auditor

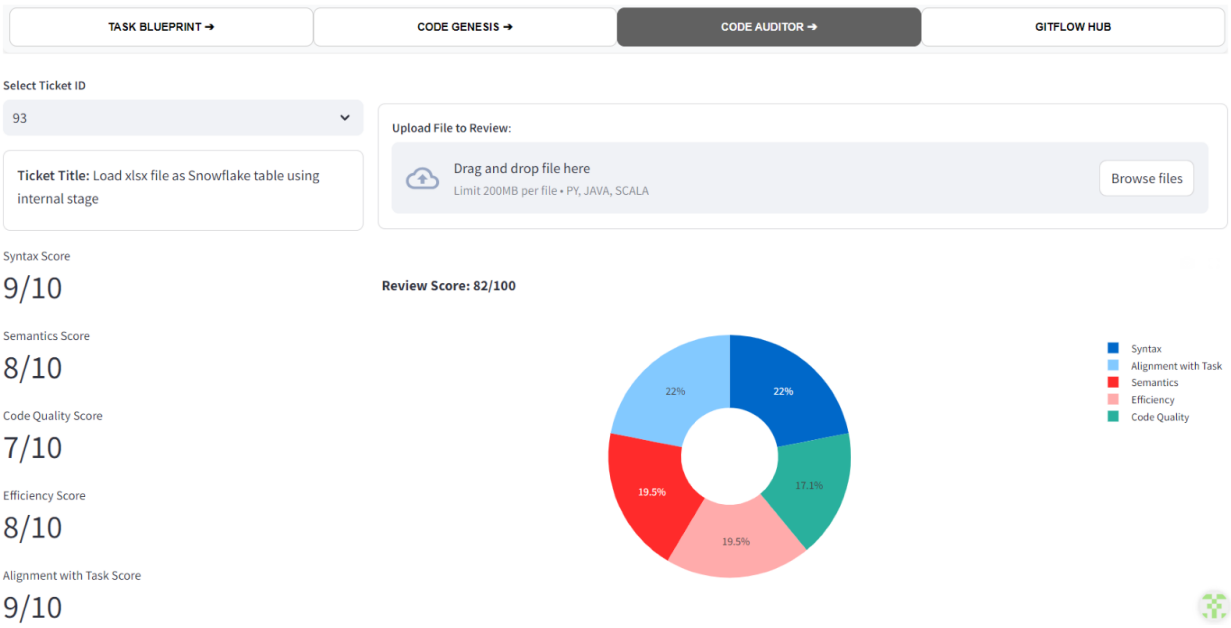
The **Code Auditor** assesses code quality, syntax, and semantics, providing a detailed evaluation and score (out of 50). It highlights areas for improvement and offers suggestions.

Code Upload and Review

Users can upload code for review, and the platform generates a report that includes:

- Syntax
- Semantics
- Code quality
- Efficiency
- Alignment with task description.

UI Screenshot:



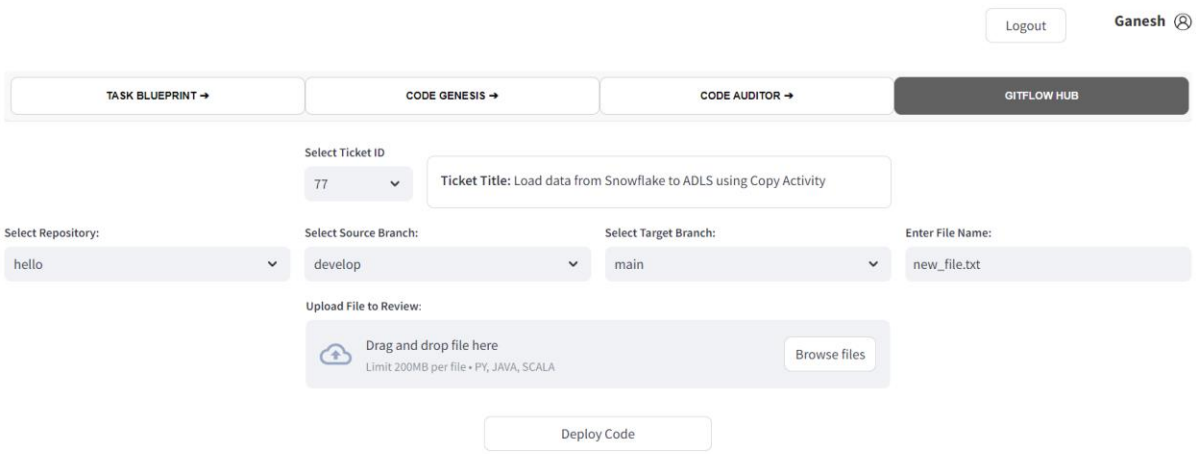
GitFlow Hub

The **GitFlow Hub** feature allows users to:

- Deploy code to a repository.
- Select a ticket ID, repository, source branch, target branch, and file name, and upload a file to deploy.

The platform automatically merges the code to the target branch upon deployment.

UI Screenshot:



Conclusion

This user guide provides a comprehensive overview of the platform's features and functionality. As the platform evolves, this guide will be updated to include new features and improvements.

Code Repository:

Github :- https://github.com/Harsha606/neuronix/tree/main