**Description of project**

Project Title: Stock Portfolio Management System

Description: The Stock Portfolio Management System is a comprehensive application designed to facilitate the management of stock portfolios and user accounts for both end-users and administrators. This system enables users to manage their stock investments, analyze performance, and generate predictions using machine learning. Administrators maintain system integrity by overseeing user accounts, managing stock data, and maintaining the underlying machine learning models.

Key Features:

1. User Authentication and Account Management:
   * Users can create accounts through the Signup feature.
   * Secure Login and password recovery (Forgot Password) functionalities.
   * Authentication ensures secure access.
2. Portfolio Management for Users:
   * Users can View Portfolio to analyze their stock holdings.
   * Edit Portfolio functionality allows users to add, update, or remove stocks.
   * Generate and Download Reports for deeper insights into portfolio performance.
3. Stock Data and Prediction:
   * Access and View Stock Data to make informed decisions.
   * Fetch Reports and enable Stock Data Prediction for future insights using machine learning.
4. Administrative Tools:
   * Admins can manage users via Manage User Accounts by adding, editing, or removing user details.
   * Manage Stock Database allows adding, editing, or removing stock data.
   * Admins maintain the ML Model for accurate stock predictions.
5. Enhanced Stock Control:
   * Both users and admins can perform actions such as Add Stock, Remove Stock, and Edit Stock Data.

Stakeholders:

* Users: Individuals managing their stock portfolios.
* Admins: System administrators responsible for database and model maintenance.