

Portfolio Management System

Full-Stack Web Application for Tracking Investments

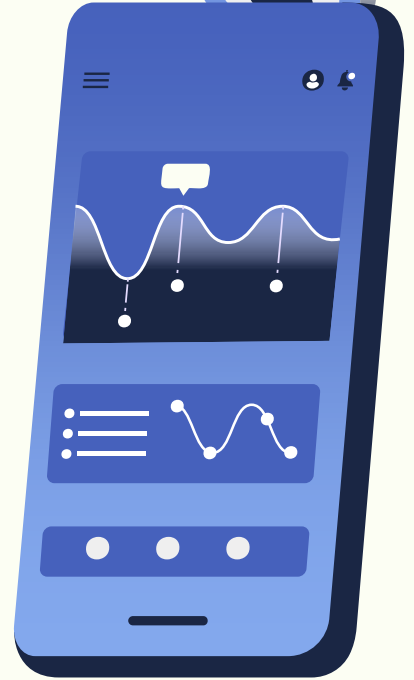


Table of contents

01

Introduction

02

**Learning
Objectives**

03

**Development
Approach**

04

Tech Stack

05

**Architecture
Design**

06

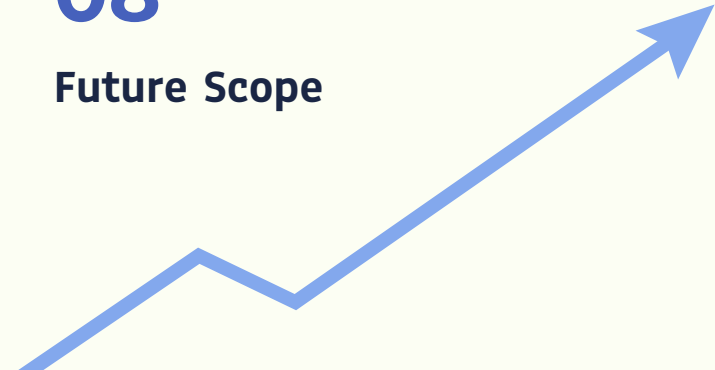
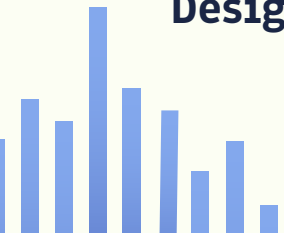
Live Demo

07

**Challenges
Faced**

08

Future Scope



Meet the Team

Prathmesh Solaskar

Backend Developer: DB logic, backend-frontend connection



Shifa Nadaf

Frontend Developer: UI design, chart integration, Dashboard



Priyadarshan

Full Stack/Tester: Cross-functional, DB migrations, app testing.





Learning Objectives



Frontend & Backend

React with TypeScript, Express.js
API design, CRUD operations.



Tools & Skills

GitHub, MySQL Workbench, VS Code,
team collaboration, agile approach.



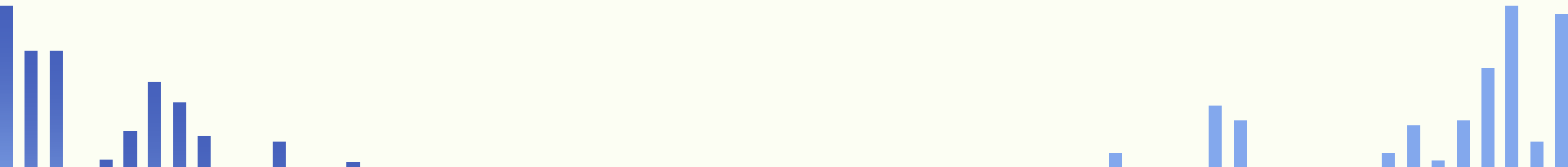
Database

MySQL schema design, queries,
backend connection.



Visualization

Chart libraries for financial data
(bar/line charts).



Development Approach



Division of roles

Frontend & Backend assigned to specific members.



Pair Programming

Used for complex logic (Buy/Sell, chart integration).



Daily Meetings

Quick syncs for planning and debugging.



Git Workflow

Branches, PRs, and merge reviews for version control.

Tech Stacks

Frontend



Backend



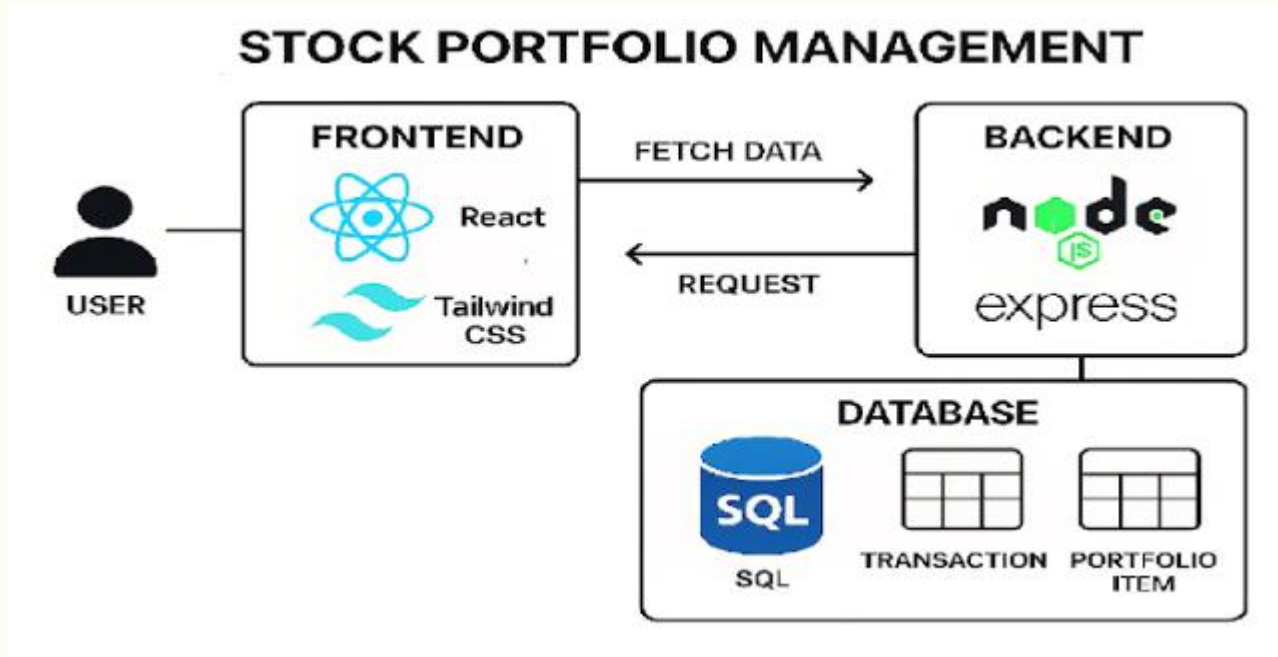
Database



Other Tools

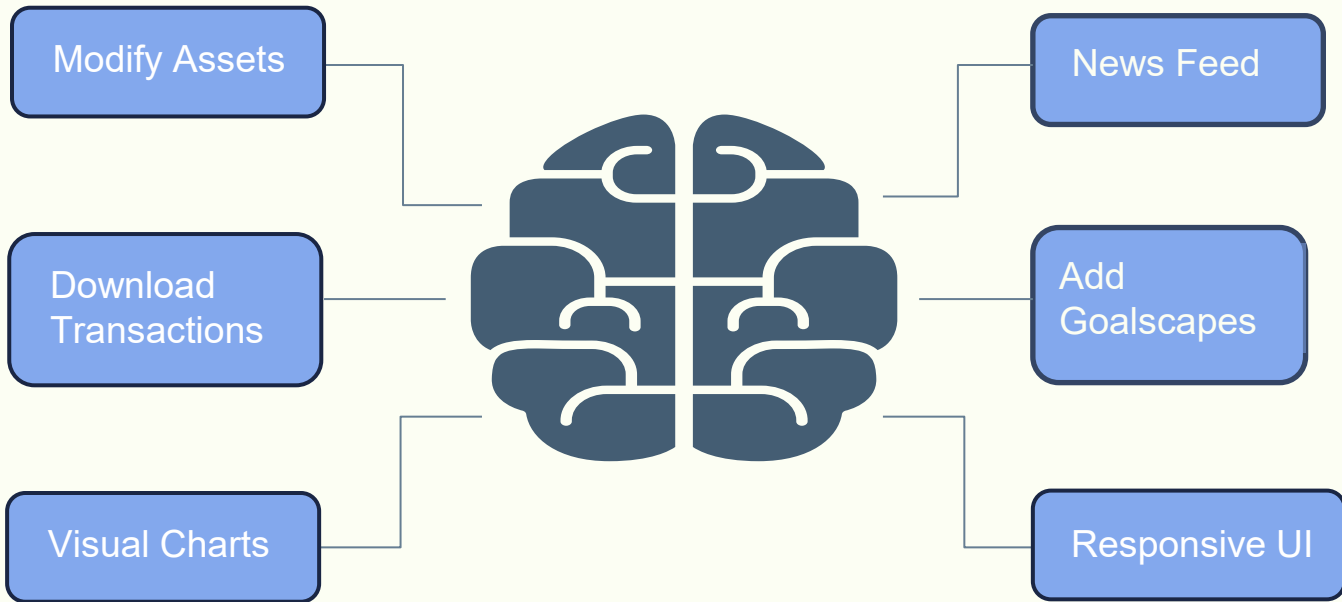


Architecture Design





Features





Live Demo



Challenges Faced

CORS Error

Between React and Express in local setup.

TypeScript

Learning strict typing for props and states.

Data Syncing

Keeping frontend UI in sync with backend updates.

Merge Conflicts

Resolved during collaborative work.





Future Scopes



**User Roles and
Login System**



**Integration of Live
Stock Price APIs**



Set Price Alerts



**Make the App
Fully Responsive**





Thanks!

Do you have any questions?