

Stock Portfolio & News Application

Overview of Key Screens and Features

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Introduction

This project is a Flutter-based mobile application that provides:

- Stock price analysis with historical trends
- Multilingual news feed with real-time updates
- Integrated with REST APIs for fetching financial and news data

Overview of App Screens

This app includes multiple screens for stock market tracking & news updates:

- Home Screen – Dashboard with key insights
- Main Screen – Central navigation hub
- Stock Analysis Screen – Interactive stock charts
- Stock Details Screen – Detailed stock information
- Holdings Screen – User's portfolio tracking
- Portfolio Screen – Investment summary
- Buyer Details Screen – User's stock purchases
- News Screen – Multilingual news feed

Home Screen

- Acts as the main dashboard of the app
- Displays market trends, top stocks, and quick insights
- Provides navigation options for easy access to other sections

Main Screen

- Serves as the central hub for navigation
- Provides quick access to all key features
- Ensures a seamless user experience with clear options

Stock Analysis Screen

- Fetches historical stock prices from an API
- Displays interactive line charts for trend analysis
- Uses FLSpot charts for smooth data visualization
- Supports dark mode UI with large white text

Stock Details Screen

- Shows detailed information about a selected stock
 - Includes price trends, market cap, and other statistics
 - Allows users to view real-time stock movements
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Holdings Screen

- Displays current stock holdings in the user's portfolio
- Shows stock quantity, total value, and profit/loss
- Helps users track their investment performance

Portfolio Screen

- Provides an overview of the user's investments
 - Displays total portfolio value and sector-wise distribution
 - Assists users in making informed investment decisions
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News Screen

- Fetches real-time news updates related to the stock market
- Supports multiple languages (English, Spanish, French, Tamil, Hindi)
- Displays news in a structured, card-based layout

UI Design & Dark Theme

- Dark mode UI for enhanced readability
- Large white text for improved contrast
- Smooth and interactive visual elements
- Modern news layout with proper spacing and alignment

Conclusion

- The Stock & News App integrates real-time data, portfolio tracking, and multilingual support
- Features a user-friendly UI with dark mode, clear typography, and interactive elements
- Future enhancements include real-time updates, AI-based news filtering, and advanced portfolio analytics