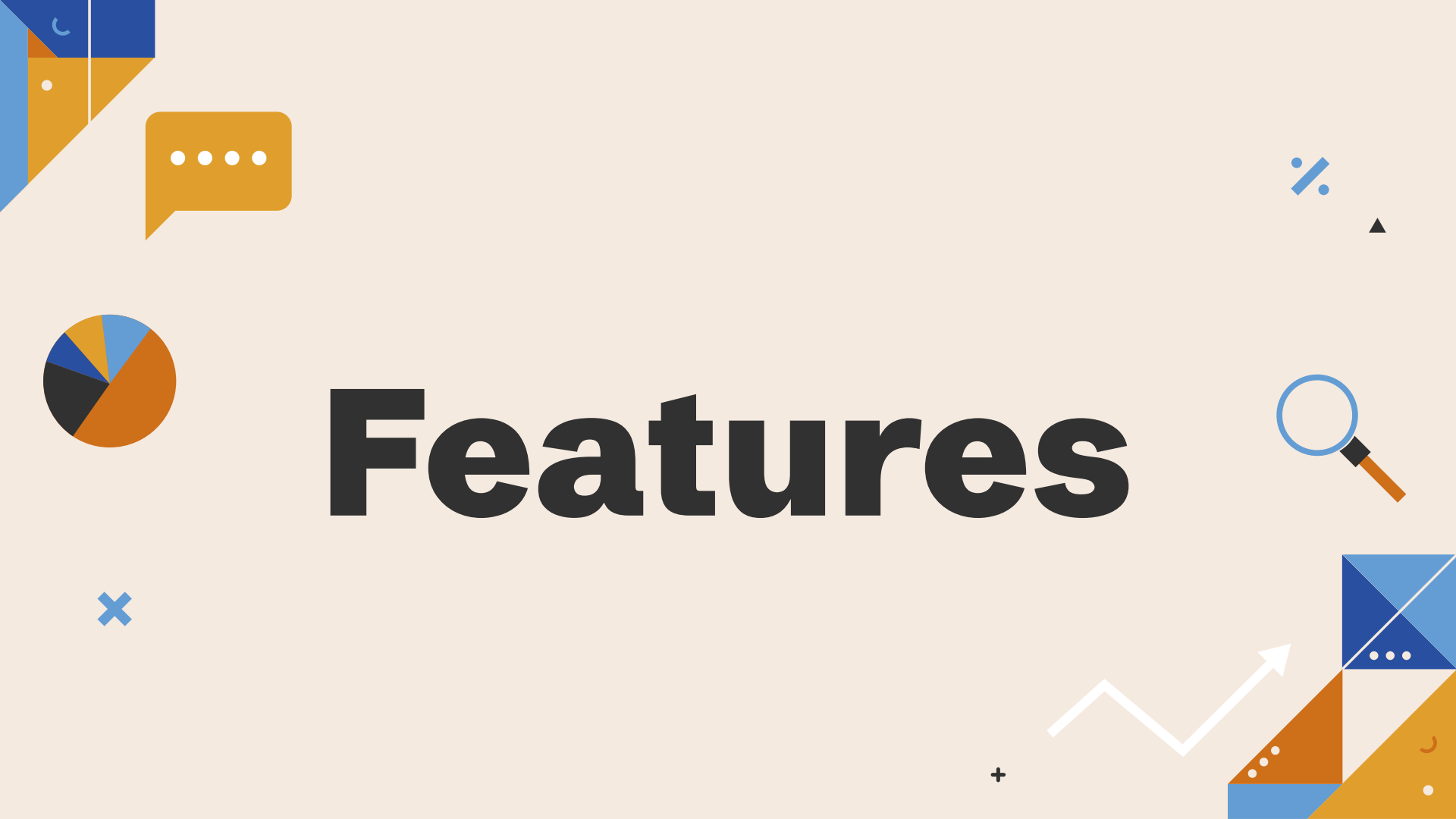


VISHWA TEJENDRA PER NAPATI - 016701009



Features



Features



Suggestions

Suggestions based on investment strategy.



Validation

Input checks for investment amount and strategy.



Trends

Weekly trends in total portfolio and individual stocks.



Security

Ensure secure signup and sign-in functionality.



Ticker Updates

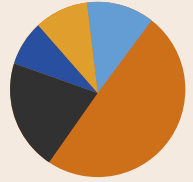
Implement a real-time ticker displaying the latest prices of stocks.



Intuitive Design

Develop an intuitive material design frontend





Challenges



Challenges Faced



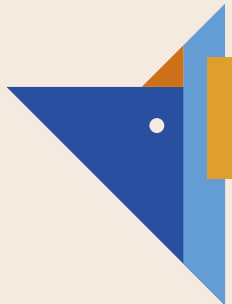
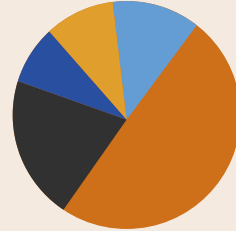
API Discovery

Identify an unrestricted-use API for comprehensive market data.



Market Insight

Gain insights into the stock market and explore diverse stock investment strategies.



Challenges Faced



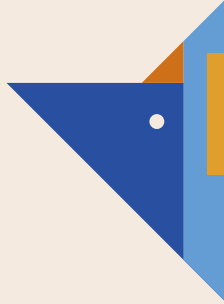
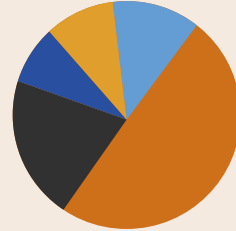
Algorithmic Approach

Create an algorithm to distribute funds among stocks based on their quantity.



Clean UI

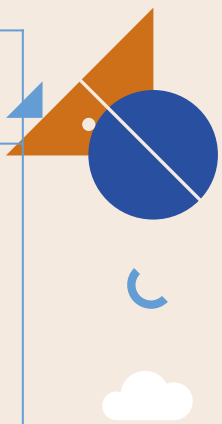
Design a clean and purposeful user interface for a simplified user experience.



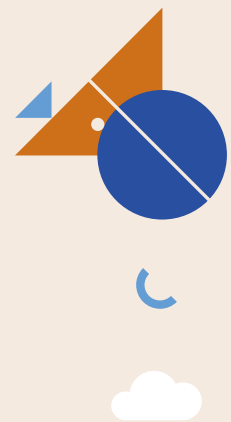
Test Cases



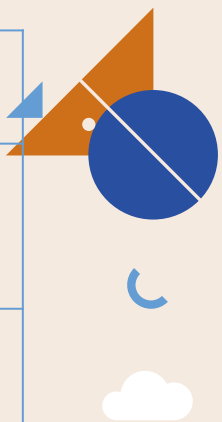
| Test Case | Expected Result |
|---|---|
| <p>Step 1: In the Sign In page the user clicks on the “Don’t have an account? Signup”</p> <p>Step 2: User provides first name as “first” and last name as “last” email id “abcd@test.com” and password “” and clicks on sign up</p> | <p>A validation message stating “Password is not valid”</p> |
| <p>Step1: In the Sign In page the user clicks on the “Don’t have an account? Signup”</p> <p>Step 2: User provides first name as “first” and last name as “last” email id “abcd” and password “12345” and clicks on signup</p> | <p>A validation message stating “Email is not valid”</p> |



| Test Case | Expected Result |
|--|--|
| <p>Step 1: In the Sign In page the user clicks on the “Don’t have an account? Signup</p> <p>Step 2: User provides first name as “first” and last name as “last” email id “abcd@test.com”</p> | User should be able to sign in successfully. The welcome message should display user name. |
| <p>Step 1: In the Sign In page the user clicks on the “Don’t have an account? Signup”</p> <p>Step 2: User provides first name as “first” and last name as “last” email id “abcd@test.com” and password “12345”</p> | User should be able to sign in successfully. The welcome message should display user name. |



| Test Case | Expected Result |
|--|---|
| Step1: Enter a valid amount (\geq \$5000) but not select any strategy | Submit button should be disabled. |
| Step 1: Enter a valid amount (\geq \$5000) and select any three strategies. | An error message should be displayed. And submit button should be disabled. |
| Step 1: Enter a valid amount (\geq \$5000) and select any one strategy | Dashboard updates with allocation details of 3 company stocks and holding ratios. |
| Step 1: Enter a valid amount (\geq \$5000) and select any two strategies | Dashboard updates with allocation details of 6 company stocks and holding ratios. The holding ratios must sum to 100% |
| Step 1: Click on logout | The user session must be terminated and user must be redirected to login page. |



Future Work



Future Work



Mobility

Introduce mobile app for on-the-go portfolio access.



Real-time

Save and suggest personalized investment strategies.



Alerts

Enable daily email alerts for portfolio value tracking.



Personalization

Enhance live dashboards for real-time updates.





Thanks!