Test Case ID	Story ID	Feature	Test Description	Test Steps	Expected Result	Actual Result	Status
TC3.1	US7	Historical Trends Display	Display 30-day trend chart	1.Navigate to dashboard 2.View historical trends section 3.Verify chart loads	Chart displays 30-day price data with labels	Chart loaded correctly with date and price labels	Pass
TC3.2	US7	Historical Trends Display	Chart uses database data	1.Disconnect API 2.Reload dashboard 3.Verify data comes from DB cache	Chart still displays using database-stored data	Chart used cached data and displayed correctly	Pass
TC3.3	US8	Market News Display	Display market news list	1.Navigate to dashboard 2.View news section 3.Check for title, source, and link	News list displays with valid title, source, and clickable link	News displayed with all required fields	Pass
TC3.4	US8	Market News Display	Handle API failure	1.Simulate API failure 2.Load dashboard 3.Observe behavior	Graceful error message shown if API fails	API failed, error handled with proper message	Pass
TC3.5	US9	Personalized Recommendations	Show personalized recommendations	1.Login with filled profile 2.Open dashboard 3.Verify recommendations	Recommendations shown based on profile risk and trends	Correct personalized recommendations displayed	Pass
TC3.6	US9	Personalized Recommendations	No recommendations fallback	1.Login with empty profile 2.Open dashboard 3.Verify fallback message	Message "No recommendations at this time" is shown	Proper fallback message shown	Pass
TC3.7	TS4	Recommendation Logic	Apply logic for low-risk user	1.Set profile to low risk 2.Check suggestions 3.Validate logic	Recommended stocks follow logic (e.g., upward trend for low risk)	Recommendations matched rule-based logic	Pass
TC3.8	TS4	Recommendation Logic	Logic tested with sample data	1.Add sample data 2.Trigger logic 3.Verify against rules	Logic runs correctly for sample input profiles	Algorithm applied and validated successfully	Pass
TC3.9	TS5	News API Integration	Fetch news articles	1.Call backend API 2.Check response 3.Ensure content is finance-related	Finance-related news articles returned	API returned valid financial news articles	Pass
TC3.10	TS5	News API Integration	Cache validation	1.Fetch news 2.Re-fetch within 24 hrs 3.Compare response	News should be cached and unchanged during cache window	News data returned from cache, no new API call	Pass