**User Stories and Acceptance Criteria**

1. **User Registration & Authentication**
   * **Story**: As a user, I want to register and log in securely so I can access my investment dashboard.
   * **Acceptance Criteria**:
     + User can register with a valid email and password.
     + User receives a confirmation email after registration.
     + User can log in and access their profile page.
2. **Portfolio Creation**
   * **Story**: As a user, I want to create and manage my own investment portfolio to track my stocks.
   * **Acceptance Criteria**:
     + User can add or remove stocks from their portfolio.
     + Portfolio value updates in real-time based on stock price changes.
3. **Real-Time News Feed**
   * **Story**: As a user, I want to see a news feed related to stocks in my portfolio to stay updated on market events.
   * **Acceptance Criteria**:
     + News feed pulls articles based on the stocks in the user’s portfolio.
     + News articles display sentiment indicators (positive, neutral, negative).
4. **Stock Sentiment Analysis**
   * **Story**: As a user, I want to view sentiment scores for specific stocks to gauge market sentiment.
   * **Acceptance Criteria**:
     + Sentiment score displayed for each stock in the portfolio and on search.
     + Scores updated daily with recent market news analysis.
5. **Stock Watchlist**
   * **Story**: As a user, I want to create a watchlist of stocks I'm interested in to monitor their performance.
   * **Acceptance Criteria**:
     + User can add stocks to a watchlist separate from the main portfolio.
     + Watchlist displays real-time price updates.
6. **Buy/Sell Decision Support**
   * **Story**: As a user, I want suggestions on whether to buy or sell a stock based on my portfolio’s current state and market trends.
   * **Acceptance Criteria**:
     + Suggestions provided based on current market analysis and user risk tolerance.
     + Buy/Sell alerts trigger when thresholds are met.
7. **Custom Alerts and Notifications**
   * **Story**: As a user, I want to receive notifications on stock performance changes or portfolio health updates.
   * **Acceptance Criteria**:
     + User can set custom alerts for price changes, profit/loss limits, or news updates.
     + Notifications trigger and display via push or in-app alerts.
8. **Historical Stock Performance Charting**
   * **Story**: As a user, I want to view historical performance data of stocks to make informed decisions.
   * **Acceptance Criteria**:
     + Historical data is displayed in a chart with adjustable timeframes (1 week, 1 month, 1 year, etc.).
     + User can hover over data points for specific values.
9. **User Education on Investment Basics**
   * **Story**: As a novice user, I want educational content to understand basic investment concepts and strategies.
   * **Acceptance Criteria**:
     + Platform provides beginner-friendly articles and video tutorials.
     + Content covers investment terms, portfolio building, and risk management basics.
10. **Market Trend Analysis**
    * **Story**: As a user, I want to view broader market trends to understand general stock performance.
    * **Acceptance Criteria**:
      + Platform shows major indices trends (S&P 500, NASDAQ).
      + Includes indicators like daily price changes and overall market sentiment.
11. **In-App Chat Support**
    * **Story**: As a user, I want real-time chat support to ask questions or get assistance.
    * **Acceptance Criteria**:
      + User can access chat support during working hours.
      + Chatbot provides automated responses and connects to human agents if needed.