

stockGenie Use Case Text

Use Case 1: Make a Prediction

- **Use Case Name:** Make a Prediction
- **Actors:** Investor
- **Preconditions:** The investor must be logged into their StockGenie account.
- **Main Flow:**
 - The investor navigates to the "Make a Prediction" feature within the StockGenie interface.
 - The investor selects a stock from their Personal Stocks Boards or searches for a stock using the platform's search functionality.
 - The investor specifies a time interval for the prediction (e.g., one week, one month).
 - StockGenie processes the request using its advanced machine learning models, taking into account fundamental analysis and current events impacting the stock.
 - StockGenie presents the prediction to the investor, either as an instant prediction for the specified future time or as a graph showing a series of predictions over the specified interval.
- **Alternative Flows:**
 - If the selected stock is not available for prediction due to lack of data or other reasons, StockGenie informs the investor and suggests alternative stocks or asks the investor to select another stock.
- **Postconditions:** The investor has received a tailored prediction for the selected stock, aiding in their investment decision-making process.

Use Case 2: Add a Stock to the Personal Stocks Boards

- **Use Case Name:** Add a Stock to the Personal Stocks Boards
- **Actors:** Investor
- **Preconditions:** The investor must be logged into their StockGenie account.
- **Main Flow:**
 - The investor searches for a stock using the StockGenie search functionality.
 - From the search results, the investor selects a stock to add to their Personal Stocks Boards.

- The investor chooses which board to add the stock to (e.g., "Currently Invested," "Wishlist").
- StockGenie adds the selected stock to the specified board and confirms the action to the investor.
- **Alternative Flows:**
 - If the stock is already added to the selected board, StockGenie notifies the investor to avoid duplication.
- **Postconditions:** The selected stock is added to the investor's chosen Personal Stocks Board, enhancing their tracking and analysis capabilities within the platform.

Use Case 3: Browse News Articles

- **Use Case Name:** Browse News Articles
- **Actors:** Investor
- **Preconditions:** The investor is logged into their StockGenie account.
- **Main Flow:**
 - The investor navigates to the news section within StockGenie.
 - StockGenie displays a list of current news articles related to the stock market, with filters for customization based on the investor's interests or stocks in their wishlist.
 - The investor selects an article to read.
 - StockGenie presents the full article to the investor.
- **Alternative Flows:**
 - If there are no articles related to the investor's interests or filters, StockGenie suggests general market news or allows the investor to adjust their filters.
- **Postconditions:** The investor has accessed and read news articles relevant to their interests or investment portfolio.

Use Case 4: View/Manage Wish List

- **Use Case Name:** View/Manage Wish List
- **Actors:** Investor
- **Preconditions:** The investor must be logged into their StockGenie account.
- **Main Flow:**
 - The investor opens the wishlist section within their account.
 - StockGenie displays all stocks currently in the investor's wishlist, including options to remove or add stocks and view detailed information.

- The investor selects an action (e.g., remove a stock, add a new stock, view stock details).
- StockGenie updates the wishlist based on the investor's actions and confirms the update.
- **Alternative Flows:**
 - If the investor tries to add a stock that is already in the wishlist, StockGenie notifies the investor about the duplication.
- **Postconditions:** The investor's wishlist reflects any changes made, aiding in personalized tracking and analysis of preferred stocks.

Use Case 5: Recover Password

- **Use Case Name:** Recover Password
- **Actors:** Investor
- **Preconditions:** The investor has forgotten their password and is at the login screen.
- **Main Flow:**
 - The investor selects the "Forgot Password" option.
 - StockGenie prompts the investor to enter their registered email address.
 - The investor submits their email address.
 - StockGenie sends a password reset link to the investor's email.
 - The investor clicks the reset link and is directed to a secure page to enter a new password.
 - StockGenie updates the account with the new password and notifies the investor of the change.
- **Alternative Flows:**
 - If the email address is not recognized, StockGenie notifies the investor and suggests re-entering the email or contacting support.
- **Postconditions:** The investor has successfully reset their password and can log into their account with the new credentials.

Use Case 6: Delete Account

- **Use Case Name:** Delete Account
- **Actors:** Investor
- **Preconditions:** The investor is logged into their StockGenie account and has navigated to the account settings.
- **Main Flow:**
 - The investor selects the option to delete their account.

- StockGenie asks the investor to confirm their decision to delete the account.
- Upon confirmation, StockGenie proceeds to permanently delete the investor's account and all associated data.
- StockGenie displays a confirmation message that the account has been successfully deleted.
- **Alternative Flows:**
 - If the investor decides not to delete the account during the confirmation step, they are returned to the account settings page.
- **Postconditions:** The investor's account and all related data are permanently removed from StockGenie.

Use Case 7: Update Account Information

- **Use Case Name:** Update Account Information
- **Actors:** Investor
- **Preconditions:** The investor is logged into their StockGenie account.
- **Main Flow:**
 - The investor navigates to their account settings.
 - The investor selects the option to update their account information, such as email, password, or communication preferences.
 - StockGenie updates the account with the new information provided by the investor.
 - StockGenie displays a confirmation message that the account information has been successfully updated.
- **Alternative Flows:**
 - If there are validation errors with the new information (e.g., the email is already in use), StockGenie notifies the investor and asks for corrections.
- **Postconditions:** The investor's account information is updated according to their inputs.

Use Case 8: Search Stocks

- **Use Case Name:** Search Stocks
- **Actors:** Investor
- **Preconditions:** The investor is logged into their StockGenie account.
- **Main Flow:**
 - The investor enters a keyword (e.g., company name, stock symbol) into the search bar.

- StockGenie displays a list of stocks that match the search criteria.
- The investor can view detailed information about a specific stock by selecting it from the search results.
- **Alternative Flows:**
 - If no stocks match the search criteria, StockGenie suggests modifying the search or exploring popular stocks.
- **Postconditions:** The investor has found and possibly selected a stock to view more detailed information or to add to their wishlist.

Use Case 9: Filter Stocks

- **Use Case Name:** Filter Stocks
- **Actors:** Investor
- **Preconditions:** The investor is either in the general stock listing or has performed a search.
- **Main Flow:**
 - The investor applies filters such as market, sector, or performance criteria.
 - StockGenie updates the stock list to only display those that meet the selected filters.
 - The investor selects a stock from the filtered list to explore further.
- **Alternative Flows:**
 - If no stocks match the filtering criteria, StockGenie suggests adjusting the filters or viewing all stocks.
- **Postconditions:** The investor has a refined list of stocks that better match their investment criteria.

Use Case 10: Receive Notifications

- **Use Case Name:** Receive Notifications
- **Actors:** Investor
- **Preconditions:** The investor has enabled notifications in their StockGenie account settings.
- **Main Flow:**
 - StockGenie sends notifications to the investor's email or through in-app notifications based on their preferences (e.g., stock alerts, market news, account updates).
 - The investor receives and views the notification.
 - If actionable, the investor follows up on the notification by accessing StockGenie for more details or to take specific actions.

- **Alternative Flows:**
 - If the investor has not set specific preferences, StockGenie sends general market updates and important account information by default.
- **Postconditions:** The investor is kept informed about relevant stock market updates and account changes, enhancing their investment strategy and platform experience.