

CMPE 285 Stock Portfolio Final Project Test cases

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Test cases:

Test case 1: Selecting Ethical investing as the investment strategy(only one)

1. Enter 5000 in the amount field.
2. Click Select under Ethical investing from 'Select upto two investment strategies' field.
3. Click on the submit button.

Expected result:

- User will be redirected to 'Stocks suggestion' page and
- A list showing AAPL, NSRGY, ADBE stocks should be displayed in a tabular form.
- The details should show symbol, stock value, P/E ratio, amount to invest and a graphical representation of the trend of the last 5 days.

Test case 2: Selecting Index investing as the investment strategy(only one)

1. Enter 5000 in the amount field.
2. Click Select under Index investing from 'Select upto two investment strategies' field.
3. Click on the submit button.

Expected result:

- User will be redirected to 'Stocks suggestion' page and
- A list showing VOO, SPY and QQQ ETFs should be displayed in a tabular form.
- The details should show symbol, stock value, P/E ratio, amount to invest and a graphical representation of the trend of the last 5 days.

Test case 3: Selecting all strategies

1. Enter 5000 in the amount field.
2. Click select under Ethical investing.
3. Click select under Growth investing.
4. Click select under Index investing.

Expected result:

- Error message should be displayed.
- Selected should be shown under Ethical investing and Growth investing.

Test case 4: Selecting 2 investment strategies

1. Enter 7000 in the amount field.
2. Click select under Ethical investing and Growth investing investment strategies.
3. Click on the submit button.

Expected result:

A list showing AAPL, NSRGY, ADBE, FB, NFLX , GOOG stocks alongwith details should be displayed.

Test case 5: Handling input values with -ve input

1. Enter -5000 in the amount field.

Expected result:

- Error message saying 'Investment amount should be greater than \$5000' should be displayed.
- Submit button should be grayed out.

Test case 6: Enter special characters in amount field

1. Enter &)))) in the amount field.
2. Click select under Ethical investing option.
3. Click select under Growth investing option.
4. Click on the submit button.

Expected result:

It should not allow special characters to enter.

Test case 7: Enter string in amount field

1. Enter QWERTy in the amount field.
2. Select any two strategies.
3. Click on the submit button.

Expected result:

- Submit button should be grayed out after you enter the string.
- Input field becomes empty on clicking outside.

Test case 8: No investment strategy selection

1. Enter 5000 in the amount field.
2. Do not click on the select button under any of the investment strategies. Leave it unchecked.
3. Click on the submit button.

Expected result:

Submit button should be grayed out.

Test case 9: Enter 0 in amount field

1. Enter 0 in the amount field.

Expected result:

- Error message saying 'Investment amount should be greater than \$5000' should be displayed.
- Submit button should be grayed out.

Test case 10: Back button test

1. Enter 5000 in amount field.
2. Click Select under Ethical investing from 'Select upto two investment strategies' field.
3. Click on the submit button.
4. User will be redirected to the 'Stocks suggestion' page.
5. Scroll down to the bottom of the page and click on the Back button.

Expected result:

- User should come back to the main Stock portfolio suggestion engine page.