

CSE 115A – Introduction to Software Engineering

Test Plan and Report

Heading: Team: simple strategies, Last Revision Date: 11/22/2025

User story: As a user, I want to see a login/sign-up page so that I can start learning and creating strategies.

Scenario 1: A new user wants to be able to create an account on Simple Strategies

1. The user can click on “Create Account” to create an account
 - a. enter name, email, and password
 - b. duplicate names and emails should not be accepted
2. The user should then receive a verification email
 - a. The user should go to email's inbox and use code to verify account
 - b. If the verification number matches that which was sent in the email, then the user becomes verified and can proceed to the next step
3. The user should be redirected to the profile page after creating an account

Scenario 2: A new user has just completed level 0.

1. After verification, the user is directed to profile
2. User can't use create new strategy but can unlock by completing level 0
3. go to learn and pass the quizzes and activities.

Scenario 3: The user wants to try out buy and hold in the Create page

1. upon completion of level 0 user unlocks new strategy
2. user is redirected back to profile
3. user clicks create
4. user can search for other strategies, but the only one available is buy and hold

(Rohan) User story: As a user, I want to be able to progress through levels and see my progress on my profile

Scenario 1 : A new user starts learning

1. A logged in new user navigates to the page for Level 0 by clicking “Learn”
2. The user reaches level 0
 - a. The user sees the first page of level 0 (“What is a market?”) and then can navigate through the rest of the level, completing activities to test their understanding
3. The user fully progresses through pages in level 0 and successfully completes it
 - a. They receive a popup message notifying them of their level completion, and then can navigate back to their profile or through level 1

4. Upon completion of level 0 the user should see their level be incremented when going back to their Profile page
5. The user should also be notified of unlocking the buy and hold strategy, the “Create” tab no longer has a lock on it

Scenario 2 : An existing user wants to continue learning

1. A logged in existing user navigates to level 1 by clicking “Learn”
 - a. They are automatically taken to level 1 because their progress is saved
2. The user reaches level 1
 - a. The user sees the first page of level 1 (“What is a strategy?”) and then can navigate through the rest of the level, completing activities to test their understanding
3. The user fully progresses through pages in level 1 and successfully completes it
 - a. They receive a popup message notifying them of their level completion, and then can navigate back to their profile or through level 2
4. Upon completion of level 1 the user should see their level be incremented on their profile
5. The user should also be notified of unlocking the SMAC strategy, and can view it after clicking the “Create” tab.

(David) User story: As a user, I want to learn about stocks and finance fundamentals via an interactive and engaging learning experience

Scenario 1 : The user has encountered a drag and drop activity while doing the lessons

1. User enters a level with a drag and drop activity
2. The user sees a set of three boxes. One box for all categories and two boxes for the categories they’re to be sorted into.
3. If a user places all boxes into the correct category the user is informed that they got all the boxes correct.
4. If a user places all boxes incorrectly the user is informed that the boxes are placed incorrectly without revealing the answer in totality so the user may try again.
5. Can only be passed when all items are in respective boxes

Scenario 2 : The user has encountered a quiz while doing the lessons

1. User enters a level with a quiz which requires them to get all answers correct before progressing to the next question
2. Can only be passed when all questions have been answered correctly

(Nathan) User Story: As a user, I want to create strategies and store them

Scenario 1: User just completed level 0 and unlocked buy and hold:

1. User has actually completed level 0
2. User can navigate to the create page on their profile

3. User can only see and use the Buy/Hold strategy
4. Users can select a stock, buy/sell time, starting capital, etc.
5. Users can see the results of their strategies by clicking "Run Strategy"
6. User can save their buy and hold strategy by clicking the "save strategy" button
7. After saving the strategy, the user can access the strategy in the

Scenario 2: A user has completed all the level content and is interested in comparing the different strategies in the recent market

1. User has actually completed all levels
2. User can navigate to the create page on their profile
3. User can see all the strategies that have been implemented
4. The user can access a tab or area that imports the strategy into the create page so they can edit it or just see the result
5. The user can navigate back and select a different strategy
6. User can select the stock, buy/sell time, capital, and any other parameters specific to the strategy
7. The user can run it by clicking "Run Strategy" and see the result of the strategy

(Nishan) User Story: As a user, I want to be able to see all the lessons and be able to access past lessons I have gone through

Scenario 1: Going to past lesson

1. User clicks learn
2. User is taken to a tree view
3. Users are shown which lessons they have completed and are currently on.
4. User can click on past lessons and view it

Scenario 2: Going to lesson not accessed yet

1. User clicks on a lesson that they haven't accessed yet
2. User is shown a popup that explains the lesson is not accessible yet