

CSE 115A – Introduction to Software Engineering

Test Plan and Report

The Test Plan and Report includes the following elements

- **Heading:** Document name ("Test Plan and Report"), product name, team name, date.
- **System Test scenarios:** Provide a list of system test scenarios. Ideally, the scenarios should relate to specific user stories and associated acceptance criteria.

A scenario is a list of system level interactions (including precise input and output) a user would follow to determine that each user story has been completed; i.e., all the acceptance criteria for a user story are met.

Example:

- A. User story 1: As a user I want to create an account so that I can use the toilet location system.
- B. User story 2: As a registered user I want to view a map showing locations of all toilets in 5 mile radius of current location so that I can visually choose more information about toilets of interest.

Scenario 1: Create Account (Pass/Fail)

1. start Toilet app; select 'new user'; type
name = <Linda Werner>
password = <LLWPass9>
password confirmation = <LLWPass9>
press Enter Key
2. user should see verification message that account is now active

Scenario 2: Show toilets in 5 mile radius (Pass/Fail)

1. select 'view toilets in 5 mile radius';
2. User should see map of 5 miles radius of current location with all toilets within the toilet database marked.

Note for each scenario whether the test passed or failed for the system release version.

Test Plan and Report

RetailGo - Team RetailGo, 12/6/2023

System Test Scenarios:

- *User Story:* As an owner or employee, I want to be able to see, upload or delete items from my inventory view so I can manage my inventory
- *Test:*
 - ☐ *Create:*
 - *Setup:* store exists with empty database
 - Start RetailGo App, login, Select Inventory side-bar
 - Select add item
 - Fill out item fields
 - Name = <Donut>
 - Category = < Food>
 - Quantity = <100>

- Price = <13.5>
- Press add button
- Ensure the item appears in the database, with correct name, category, quantity, price, and appears on the inventory page as well.

☐ See:

- *Setup: Create a new owner <retailgoco@gmail.com> in Database, and store the above listed item on the database for the owner.*
- start RetailGo App, select 'Get Started',
- Login to google account <retailgoco@gmail.com>
- Select inventory from the sidebar
- Owner should see the item name, category, quantity, price as above.

☐ Delete:

- *Setup: Create a new owner <retailgoco@gmail.com> in Database and store the above listed item on the database for the owner.*
- start RetailGo App, select 'Get Started',
- Login to google account <retailgoco@gmail.com>
- Select inventory from the sidebar
- Click delete on the side of the aforementioned item
- The item should disappear.
- The item shouldn't exist on the database (this can be ensured by only creating one item of the name <Donut> and ensuring it doesn't exist after the delete by manually inspecting the Supabase interface to our Database).

- As an owner, I want to be able to manage my employees and ensure authorized access.

☐ Prevent access to employee page if unauthorized user

- *Login to clerk*
- *Go to my stores page and select a store*
- *Edit change <store_id> in https://retail-go.vercel.app/store/{{store_id}} to <store_id> user is not apart of*
- *User should be redirected to dashboard or given a 401 unauthorized error*

☐ Invite Employee:

- *Login as clerk user*
- *Select store*
- *Click on employees icon in the sidebar to Navigate to https://retail-go.vercel.app/store/{{store_id}}*
- *Click blue invite button in top right corner*
- *Type:*
- *name=<Jane Doe>*
- *email=<retailgoco@gmail.com>*
- *Click blue invite button on form*

- Open a different browser
- On retailgo log into different account
- go to retailgoco@gmail.com gmail inbox
- Verify an email is in inbox with subject "You have been invited to join a store!"
- Click on green <accept invite button>
- You should now see the store in the users your stores list

☐ Edit employee

- Login into retail go using sign in button
- Select store from store page or sidebar
- Click on the employees tab in the left sidebar
- In the table of employees, if any employees appear click on the orange pencil icon
- In form:
- Leave <first_name> as the same
- Type <last_name> ="test"
- Leave <email> as the same
- Click on the "update" button
- Reload page
- Look at user to see that last name has been updated

☐ Delete Employee

- Login into retail go using sign in button
- Select store from store page or sidebar
- Click on the employees tab in the left sidebar
- In the table of employees, for an employee that is not yourself click on the red trash can icon
- Reload page
- Check that user is no longer in employee table

- As an employee, I want to be able to process customer transactions to handle sales.

☐ Complete Transaction

- Login as an employee
- Navigate to Pos tab
- Be able to see every item present in the store
- Select 1 of every item
- Press Checkout
- See Stripe Payment entry
- Enter credit card information
- Press purchase
- Transaction should complete a Success banner should appear and the appropriate balance should be charged to the client.
- The quantities of all items should be decremented by 1 in the database

- *User Story:* As an owner, I want to be able to see recommended items to sell on my dashboard to improve my sales.
- *Test:*
 - ☐ See recommendations on dashboard
 - Setup database with new owner <retailgoco@gmail.com>, with new <Donut> item.
 - Login as an owner
 - Ensure multiple items are seen
 - Ensure items are more relevant to the owner than other items heuristically
- *User Story:* As an owner or employee, I want to be able to see, upload or delete items from my inventory view so I can manage my inventory
- *Test:*
 - ☐ *Create:*
 - *Setup: store exists with empty database*
 - Start RetailGo App, login, Select Inventory side-bar
 - Select add item
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