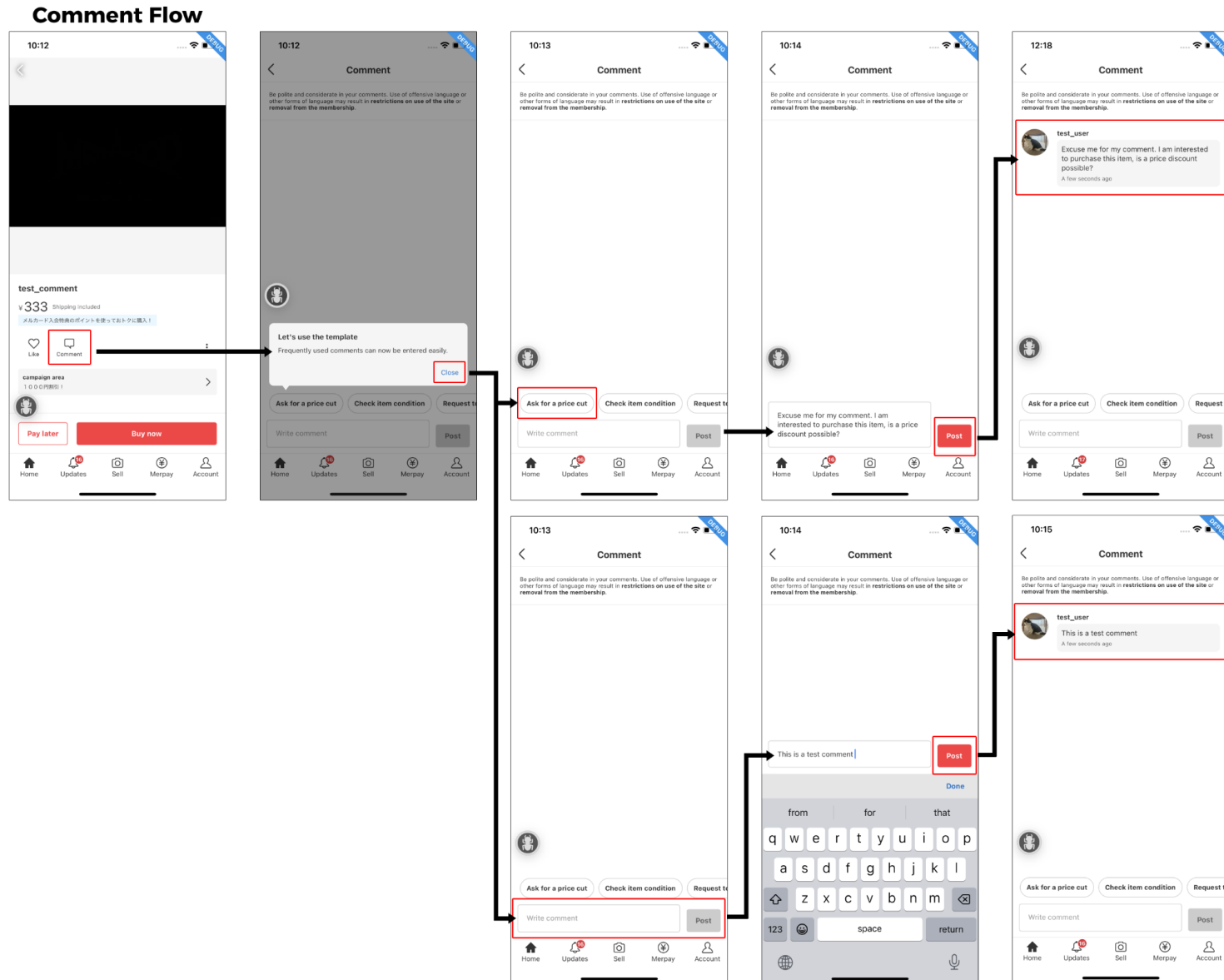
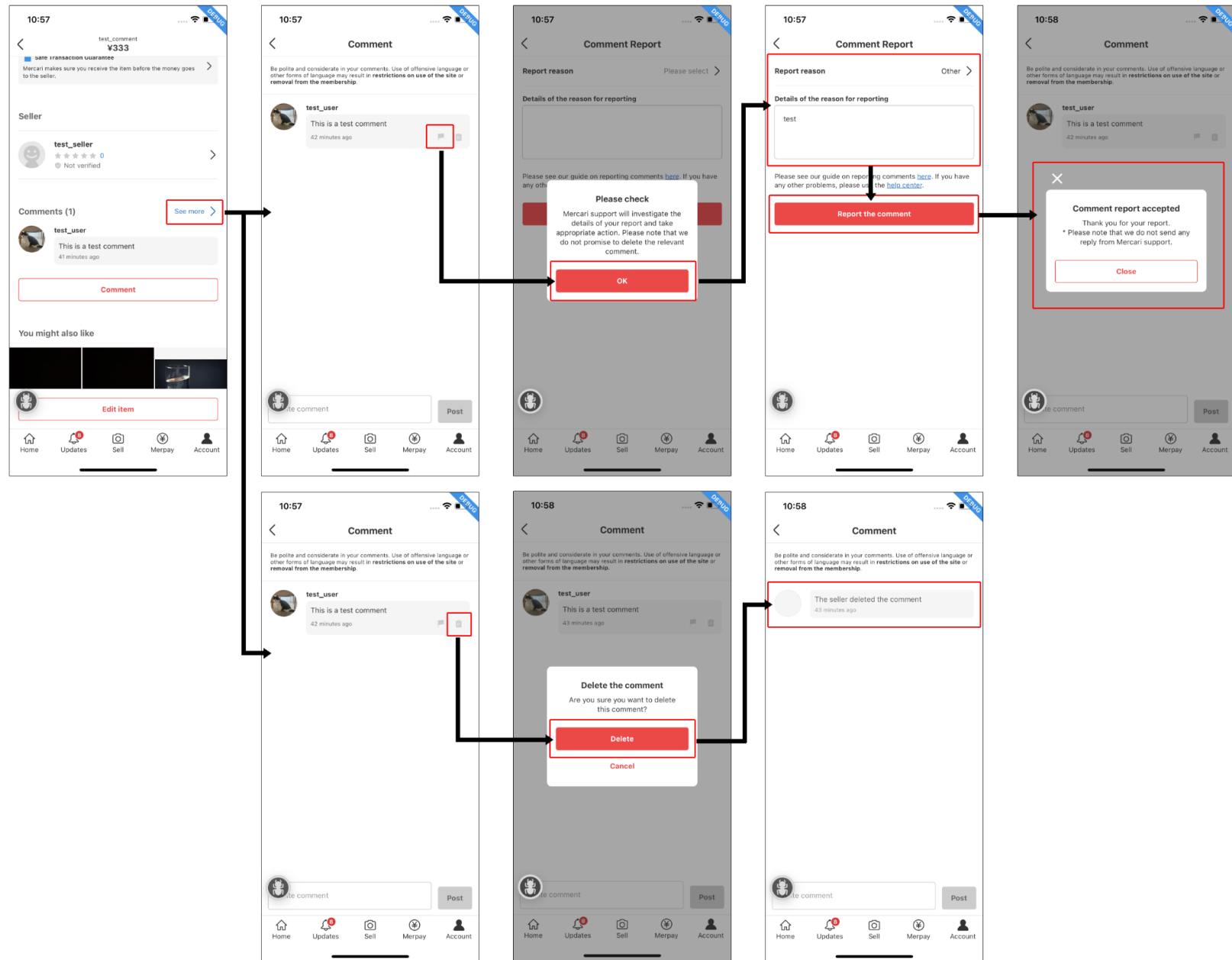


## Exercise 1

Design test cases for the Comment feature, including delete and report comment flows, in the Item Details screen of the Mercari app. Specify whether you will use a manual or automated approach for each test, and provide reasons for your decisions. Refer to the Comment & Delete/Report feature flow diagrams provided below.



## Delete/Report Flow



Notes:

Please write down your test cases using the following template (you can either use Excel or a Google Spreadsheet).

ID	Flow	Test Name	Expected Result	Comments

## Exercise 2 (Android)

For the new Android application that the company plans to release to production, you were assigned as an QA engineer to implement from scratch an automated testing framework to ensure its reliability.

### Scenario 1

The application supports purchasing for now, you are required to implement one positive E2E test that verifies the purchase flow is working:

1. On the Login Screen (starting point), login with a user
2. User is now on Showcase Screen, from a list of items being shown, open the first item from the list
3. On the Item Screen, add this item to the cart
4. Go back to Showcase Screen, the list shows again, now add the second item of the list into the cart
5. Go to the Cart Screen and start the purchase flow (you will be taken to Address Screen)
  - a. (bonus: how many items are in the cart now? assert the quantity)
6. On Address Screen, complete the address and continue to Confirm Purchase Screen
7. On Confirm Purchase Screen, finish the purchase and verify it was successful

Additionally, you will be evaluated based on your approach to the test, design patterns, file structure, and logical implementation.

### Scenario 2 (the more details you include in your answer the better)

Given that the app is new and there is no framework, you have to set the foundations for the framework

1. When navigating to different screens in Scenario 1:
  - a. How do you know the test went to the next screen? What if the network connection is slow?
  - b. Implement an internal method that handles this
    - i. make sure that this method is available to be used on all the different screens
    - ii. log the screen the user is in currently right after the transition to the new screen is assured (new screen loaded)
2. Following the documentation from Jetpack Compose
  - a. What is required before the test starts?

- i. add what you considered is required (if it is)
  - ii. if you consider adding the before steps, don't forget about point 1. from Exercise 2
- 3. What do you think of the bonus point (5a.) in Scenario 1?
  - a. Please briefly explain your thoughts

Notes:

- The exercise has to be coded using [Jetpack Compose](#) testing library
  - it does not need to run but strictness to the library's helper methods will be greatly considered
- You can use [www.saucedemo.com](http://www.saucedemo.com) as a reference for Scenario 1, making assumptions on how to call the elements
- You can submit your solution in 2 ways (add as many comments as you consider to explain your solution)
  - Google Drive
  - Github (preferred)
- Good luck!