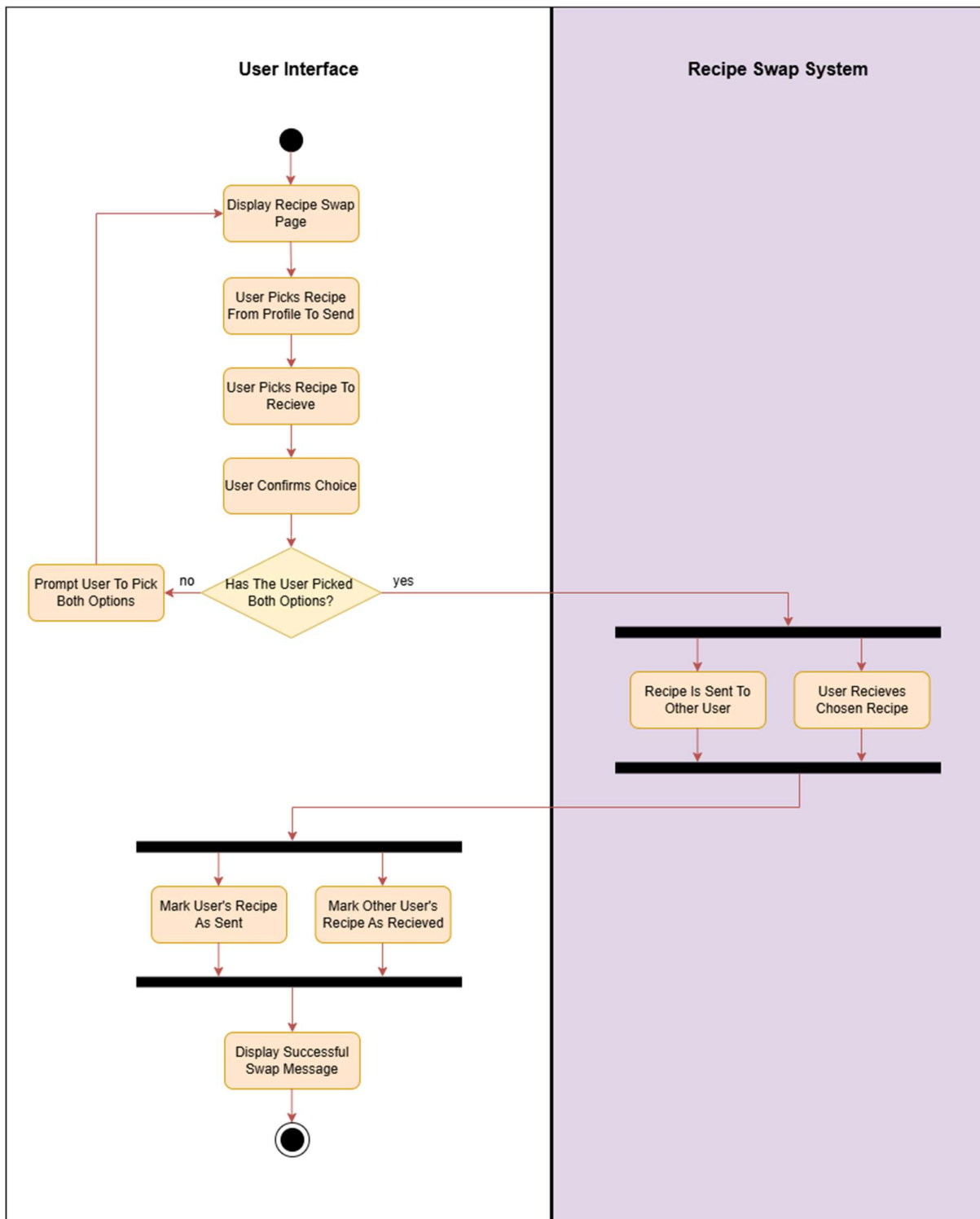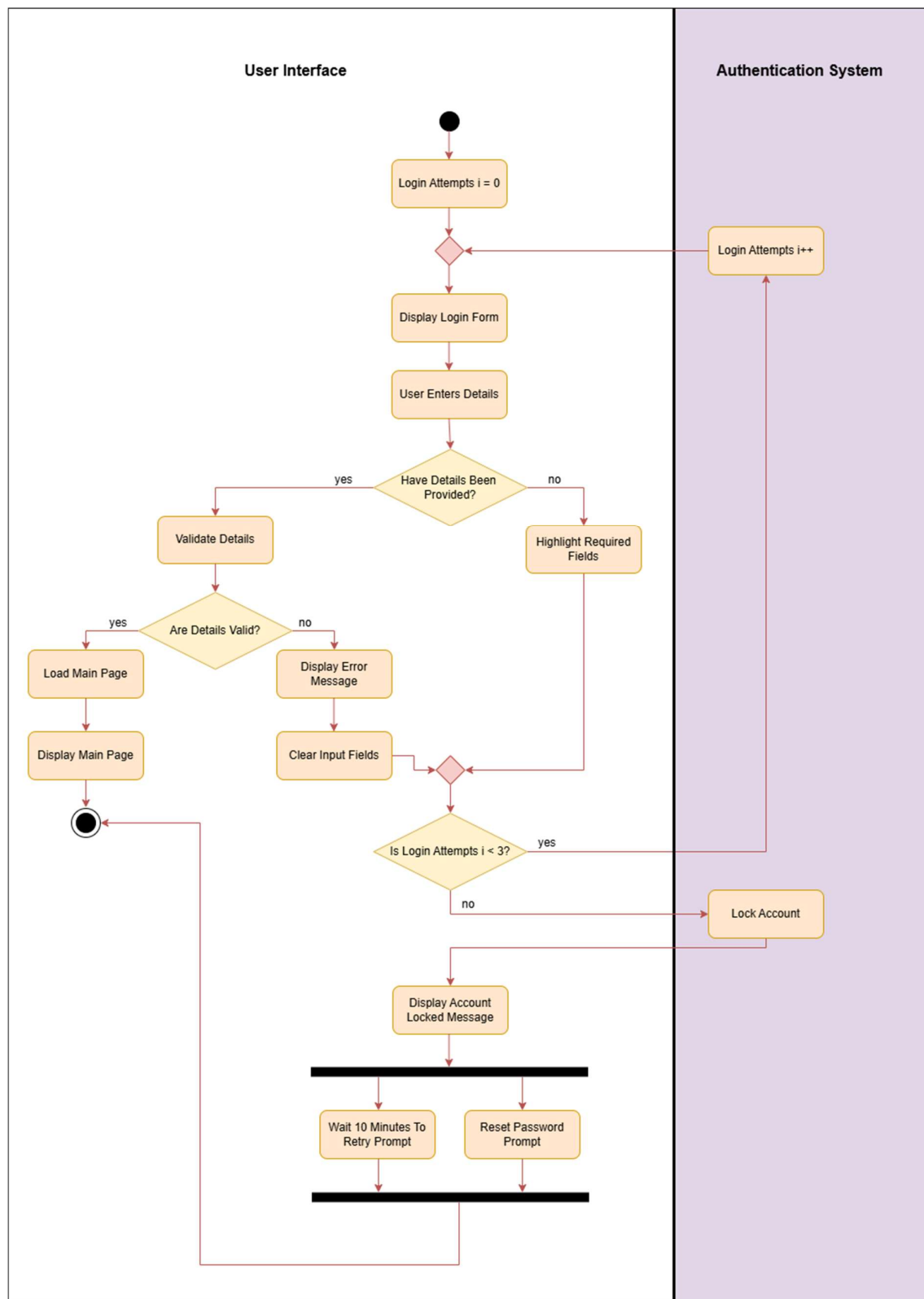The diagram shows the reviewing system. When a user has received and tried a recipe, they are able to post a review. They are given a review form where they can add a star rating and written review. There are checks for the length of the written review and the content when they try to publish it. This is for moderation checks, to make sure the website remains constructive and positive. If the user doesn't meet the length or content requirements, they are notified and can continue to write the review or start again. If all the content is fine, the review is published.

User Interface

Recipe Swap System

- Display Recipe Swap Page
- User Picks Recipe From Profile To Send
- User Picks Recipe To Recieve
- User Confirms Choice
- Has The User Picked Both Options?
  - no → Prompt User To Pick Both Options
  - yes → Recipe Is Sent To Other User / User Recieves Chosen Recipe
- Mark User's Recipe As Sent
- Mark Other User's Recipe As Recieved
- Display Successful Swap Message

For the recipe swap system, the user is only able to swap a recipe if they already have one on their profile. If they do, they choose the recipe they want to swap then the one they want to receive. When the user confirms, there is a check to make sure they've picked both options and if they haven't, they are prompted to do so. When both recipes have been chosen, the user receives the recipe and theirs is sent at the same time. The user then sees confirmation that the recipes have been swapped successfully.

User Interface

Authentication System

Login Attempts i = 0

Login Attempts i++

Display Login Form

User Enters Details

Have Details Been Provided?

yes

no

Validate Details

Highlight Required Fields

Are Details Valid?

yes

no

Load Main Page

Display Error Message

Display Main Page

Clear Input Fields

Is Login Attempts i < 3?

yes

no

Lock Account

Display Account Locked Message

Wait 10 Minutes To Retry Prompt

Reset Password Prompt

This diagram shows the ideal flow for the login system for when the user has an existing account. On the interface side, the user is shown the login form and starts with 0 login attempts. They then input their login details and if they match what is in the database, they are logged in. If the details are wrong, the user is notified and are then prompted to try again. If the details are inputted incorrectly 3 times, the account is locked, and they are given the option to wait and try again or reset their password.