System Analysis and Testing

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Test Case and Test Case Narrative

Test Case

Test Case Number	*1*	**Test Case Name**	*BookingTest*
Designed By	*Oisin Fitzpatrick*	**Subsystem**	*User and Restaurant Booking*
Short Description	*Checking the booking system for users and restaurants creates accurate bookings.*	**Design Date**	*20th May 2022*

Pre Conditions:

Test User Account Exists

Test Restaurant Exists, with list of available timeslots

Test Staff User Account Exists under the Test Restaurant

The system displays the Login Page

Test Case Steps

Step	Action	Expected Response	Pass/Fail	Comment
1	Login with Test User credentials	User Homepage Displays		
2	User Opens search menu	App displays search page		
3	Search for Test Restaurant	Test Restaurant is displayed on search menu		
4	Select Test Restaurant from List	Test Restaurant Page is Displayed		
5	Select Make Booking	Booking Page is Displayed		
6	Enter Booking Details and Search	Available Timeslots are displayed		
7	Select Timeslot	Timeslot is selected and user is prompted to send their request.		
8	Send Request	Request received by restaurant.		
9	Logout	Login Page is Displayed		
10	Login with Test Staff User	User Enters Staff Homepage		
11	Select Restaurant from homepage	Restaurant Staff Page is Displayed.		
12	Select Manage Booking Request	Booking Requests are Displayed.		
Check Post-Condition 1				

13	Confirm Booking Request and Create Booking	Booking slot is created.		
Check Post-Condition 2				
14	Return to Restaurant Staff Page	Restaurant Staff page Displayed		
15	Logout	Login Page is Displayed		
16	Login with Test User	User Homepage Displays		
17	Select View Bookings	Booking for Test Restaurant with correct time and date is displayed.		
Check Post-Condition 3				

Post-Conditions:

1. Received request matches original request sent by test user.
2. Test Booking exists in the Restaurants Booking list with correct user and time details.
3. Test Booking exists in the User's Booking list with correct restaurant and time details, matching those of the restuarant.

Test Case Narrative

Purpose

This test case is used to determine whether a user can successfully book a timeslot in a restaurant. In order for a booking to be successful, both restaurants and a user must have a reference to the same booking, with the same details. If a restaurant and a user have inconsistent booking details, the application will fail to complete its primary function.

Successful Scenario

Both test restaurant and test user have reference to the same booking, with consistent booking details.

Description:

To test the booking functionality of the application, a test user, test restaurant, and test staff user must be used. The test user must be able to log into the application, select the search menu, and be able to search for the test restaurant. The restaurant must be visible in the search results and be selected by the test user to display the restaurant page. From there the user must select the make booking option to open up the booking menu. After the test user inputs the relevant details such as date and guest number, which are predetermined by the test, the available timeslots for those details are displayed. From this the user must select one of these timeslots, and submit their booking request. The test user must be logged-out and the test staff user must login. The staff user must access the restaurants booking requests and confirm the booking request of the test user. This should create a booking, which should be added to the restaurant's and user's booking lists. The staff user must access their bookings list to check for the booking, noting the details of the booking so they can be compared against the booking as listed in the user's booking list. The staff user must log out and the test user must log in again to view their bookings list. The booking details must match those in the restaurants version of the booking.

Failure Scenario

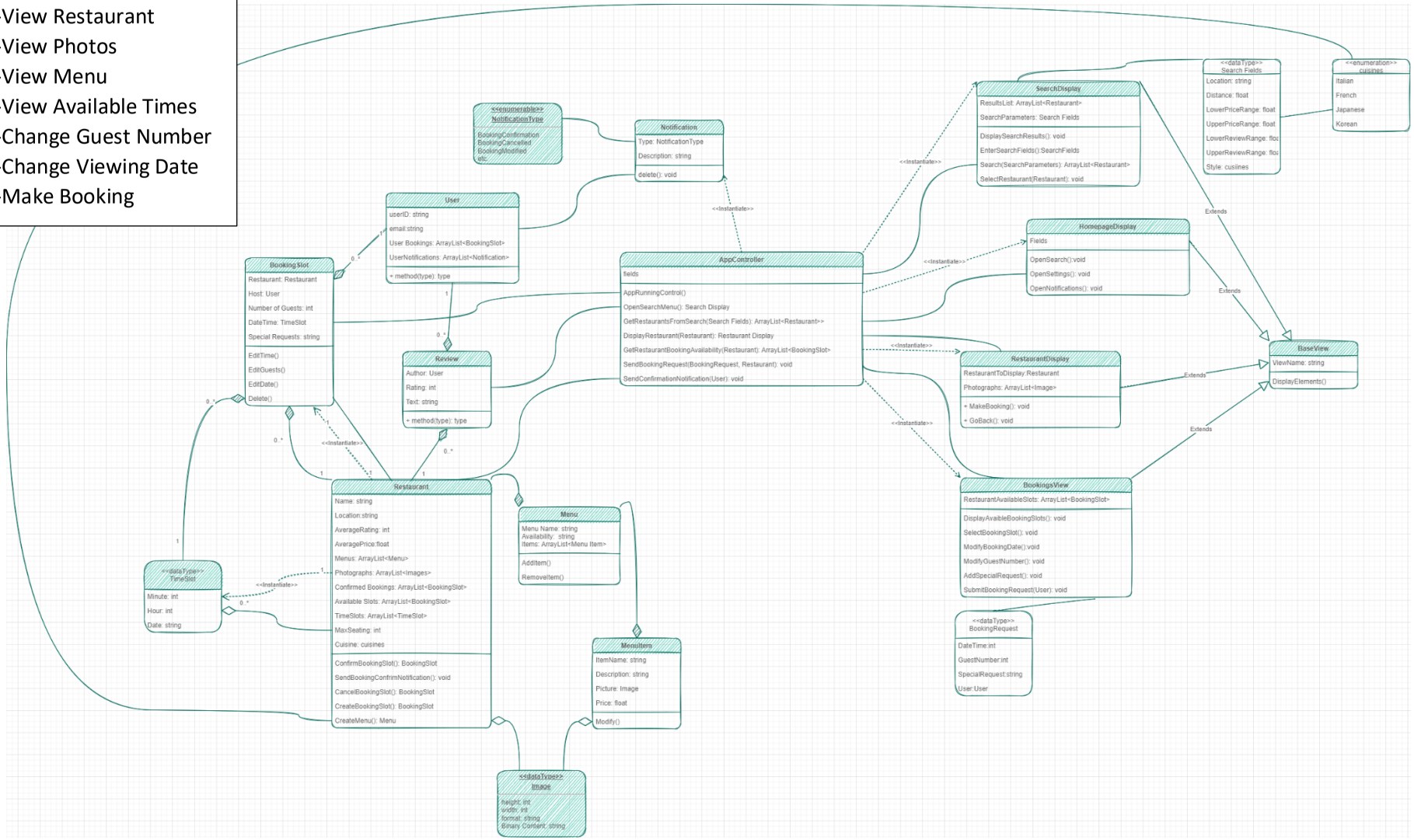
The Booking request details received by the Test Restaurant do not match the Test Users input.

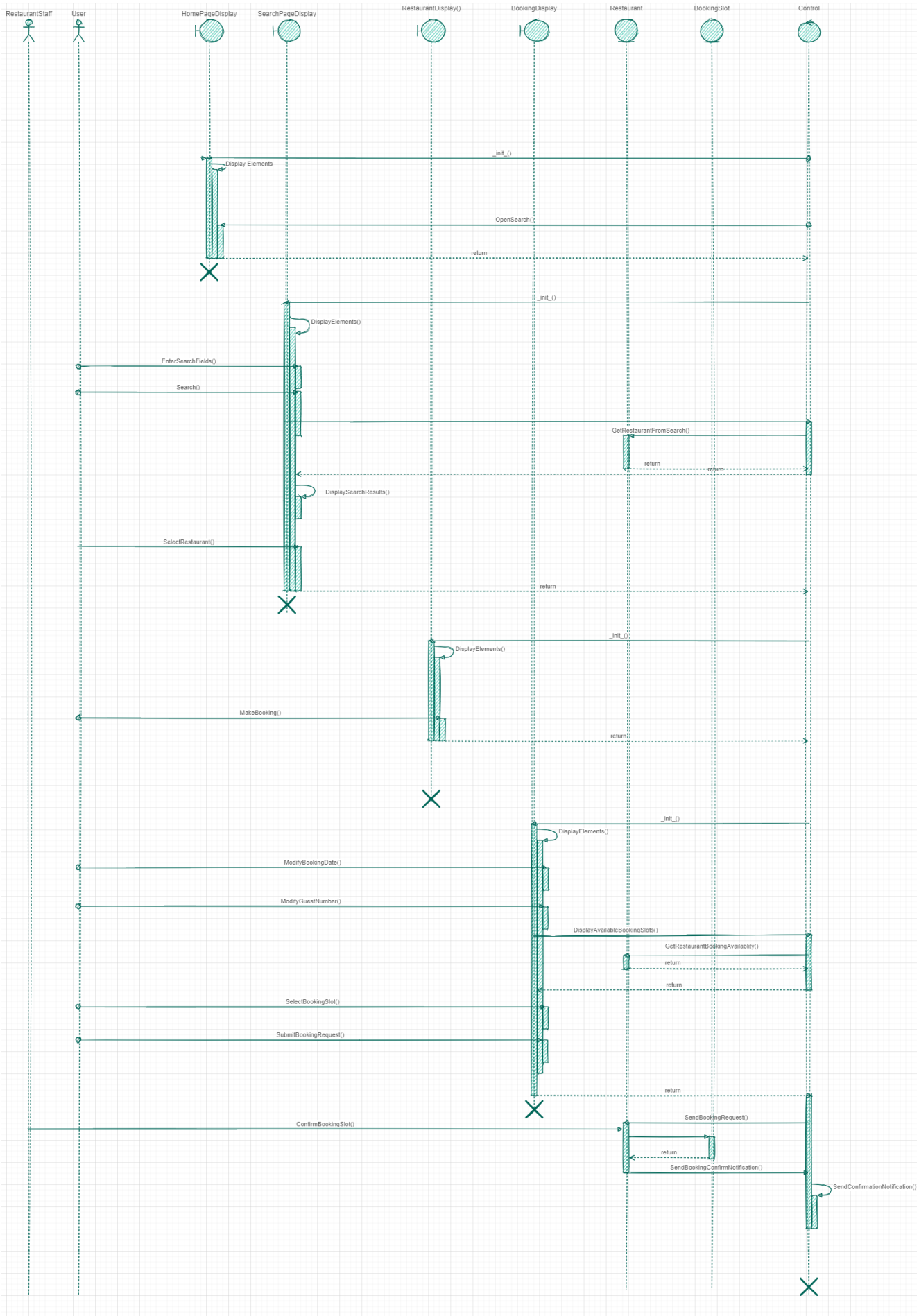
Description

In this scenario, when the test user submits the booking request, the booking request received by the restaurant and view by the test staff user are inconsistent with the original users request. In the event that this error avoids detection, the user and the restaurant will have inconsistent booking details, and the booking will not match the original request of the user.

Use Case for Diagram:

- -Search Restaurants
- -View Restaurant
- -View Photos
- -View Menu
- -View Available Times
- -Change Guest Number
- -Change Viewing Date
- -Make Booking



Class Diagram (High Level)

Sequence Diagram (High Level): Making a Booking