**COIT20258(HT1, 2020)**

**Software Engineering**

**(T1, 2020)**

**Booking System**

**Assessment – 2**

**Lecturer / Tutor**

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**Campus: Sydney**

**Due Date: Monday, 25 May 2020, 11:59 PM**

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# SQL query:

In the program, database =”booking”, user name=“booking”, password=”booking”

Create database “BOOKING”;

create table "BOOKING".CUSTOMER

(

ID INTEGER default AUTOINCREMENT: start 1 increment 1 not null,

NAME VARCHAR(24) not null,

ADDRESS VARCHAR(26),

PHONE VARCHAR(26),

EMAIL LONG VARCHAR

);

create table "BOOKING".BOOK

(

ID INTEGER default AUTOINCREMENT: start 1 increment 1 not null,

CUSTOMERID INTEGER,

STATUS VARCHAR(26),

PEOPLE INTEGER,

NOOFTABLE INTEGER,

CREATIONDATE DATE

);

ALTER TABLE BOOKING.BOOK

ADD FOREIGN KEY (CUSTOMERID)

REFERENCES BOOKING.CUSTOMER(ID);

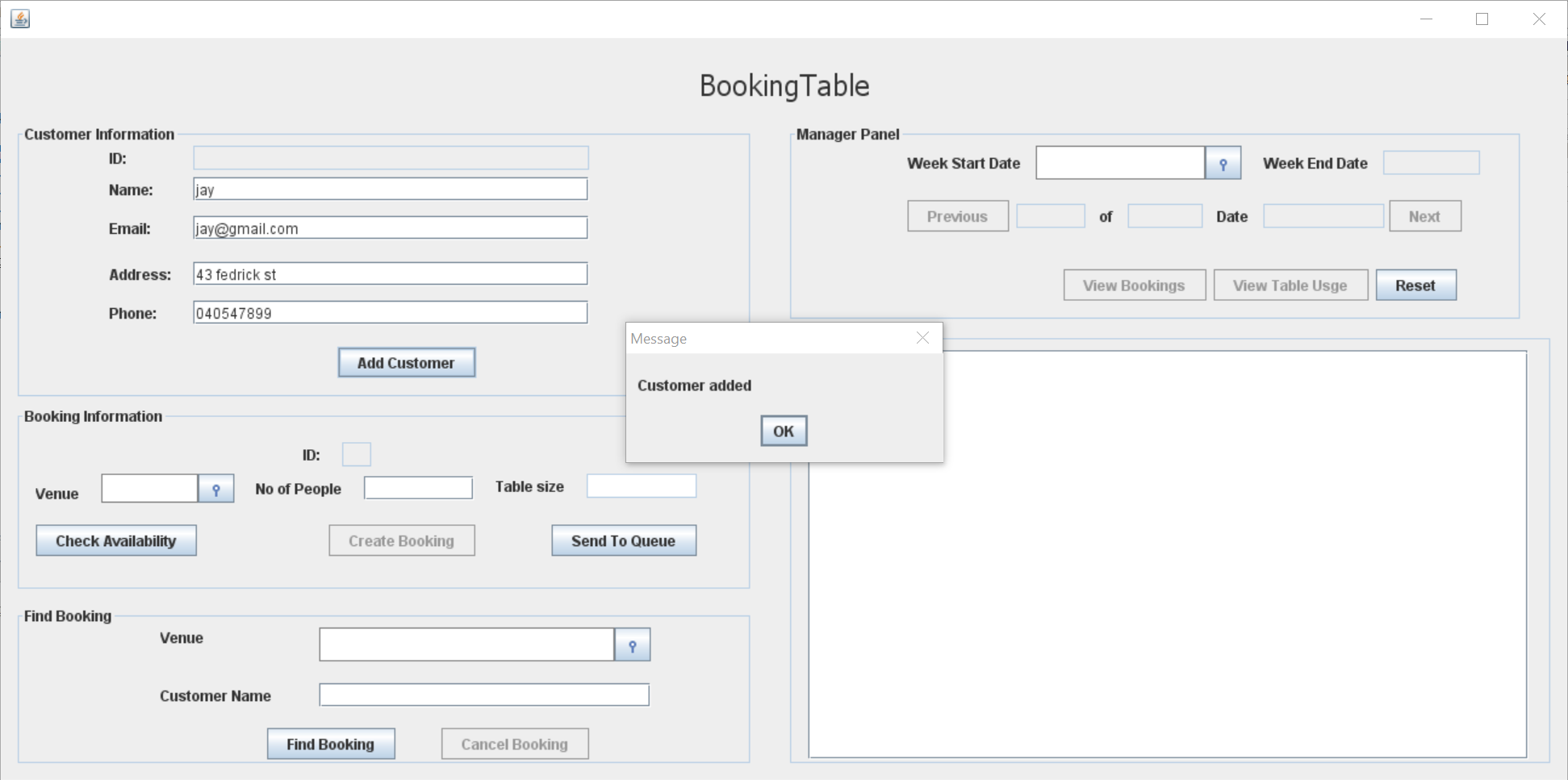
# Testing

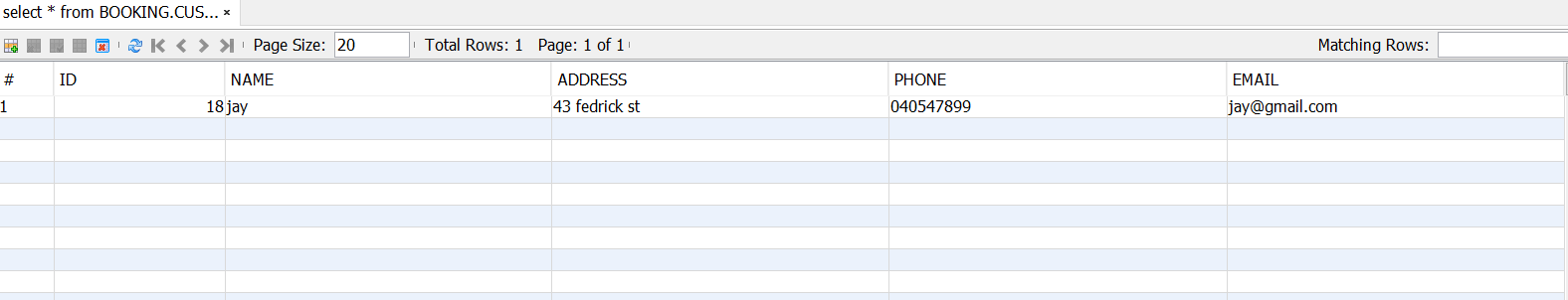
The following test cases have been taken into consideration.

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| **Test Plans** | |
| 1. | Add customer button: Adding customer |
| 2. | Check Availability button: Check for the available table, date and no of people |
| 3. | Create Booking button: Create the booking |
| 4. | Send To queue button: Send the booking to waiting list |
| 5. | Find Booking button: Find the booking based on customer name and venue |
| 6. | Cancel Booking button: Cancel the booking |
| 7. | View booking button: find the booking list between start date and end date |
| 8. | Next button: Display the next record in the panel |
| 9. | Previous button: Display the previous record in the panel |
| 10. | View table usage button: Display the records of the table usage for that week |
| 11. | Reset button: Reset all the button and text fields to default |

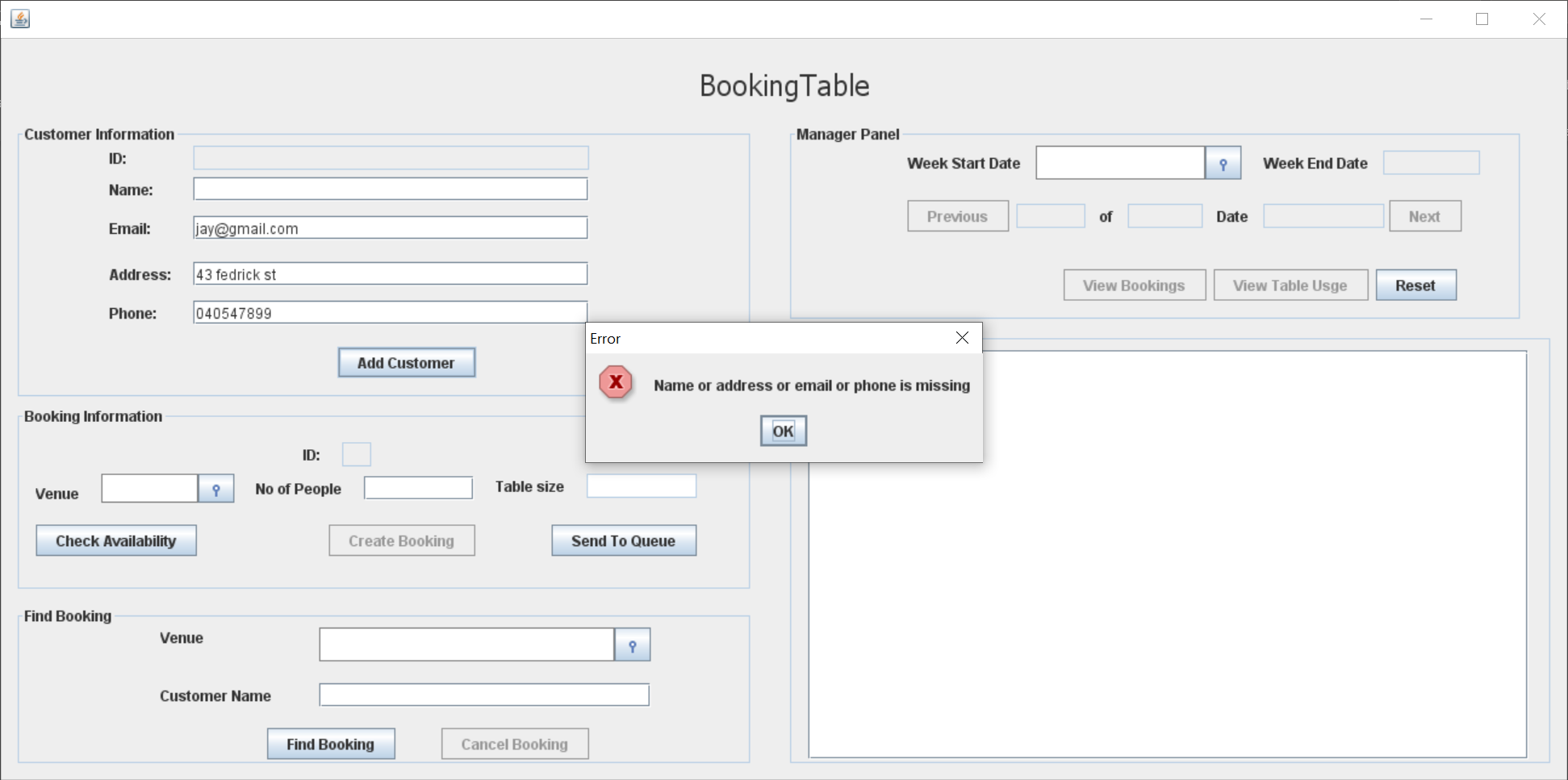
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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Add customer button: Adding customer | **Input:**  Name:jay  Email: jay@gmail.com  Address: 43 fedrick st  Phone: 040547899  Press: Add customer button | Display customer added message and the data should be store in the customer table of database | Displayed customer added message and the data stored in the customer table of database |
| Handling customer error: | **Input:**  Name:  Email: jay@gmail.com  Address: 43 fedrick st  Phone: 040547899  Press: Add customer button | Should display the  “Name or address or email or phone is missing” | Displayed the  “Name or address or email or phone is missing” |

Insert Customer:

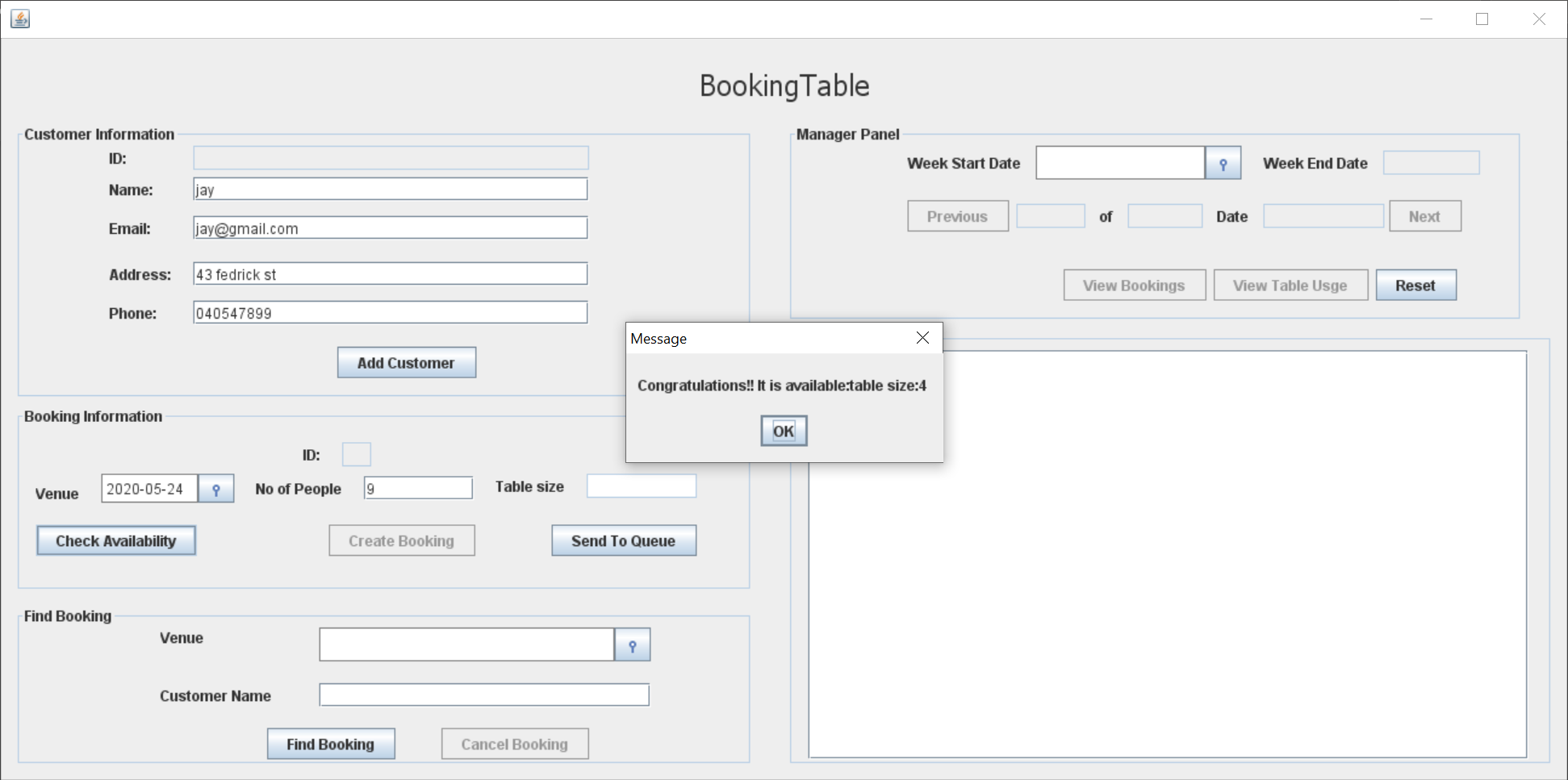


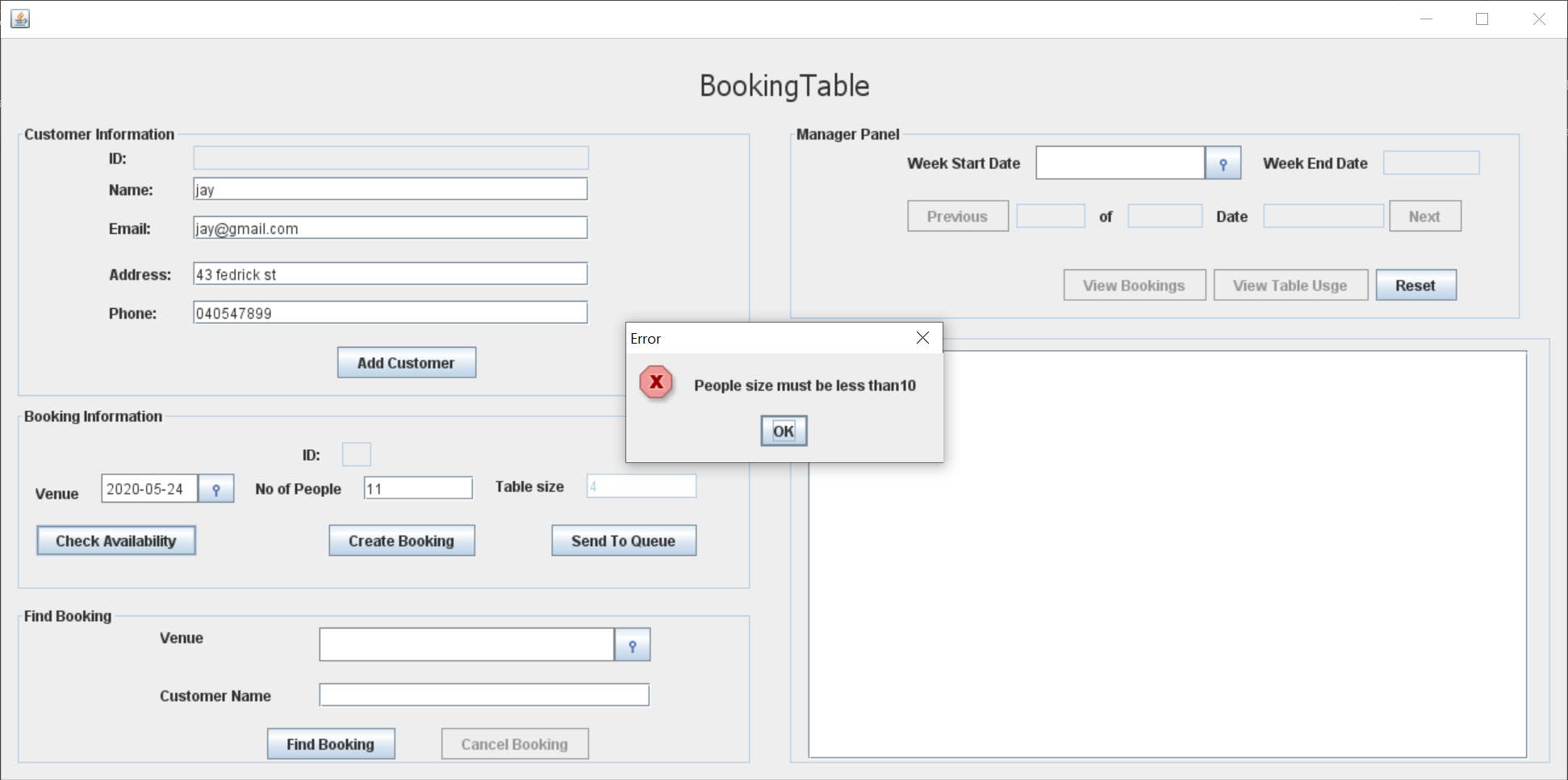


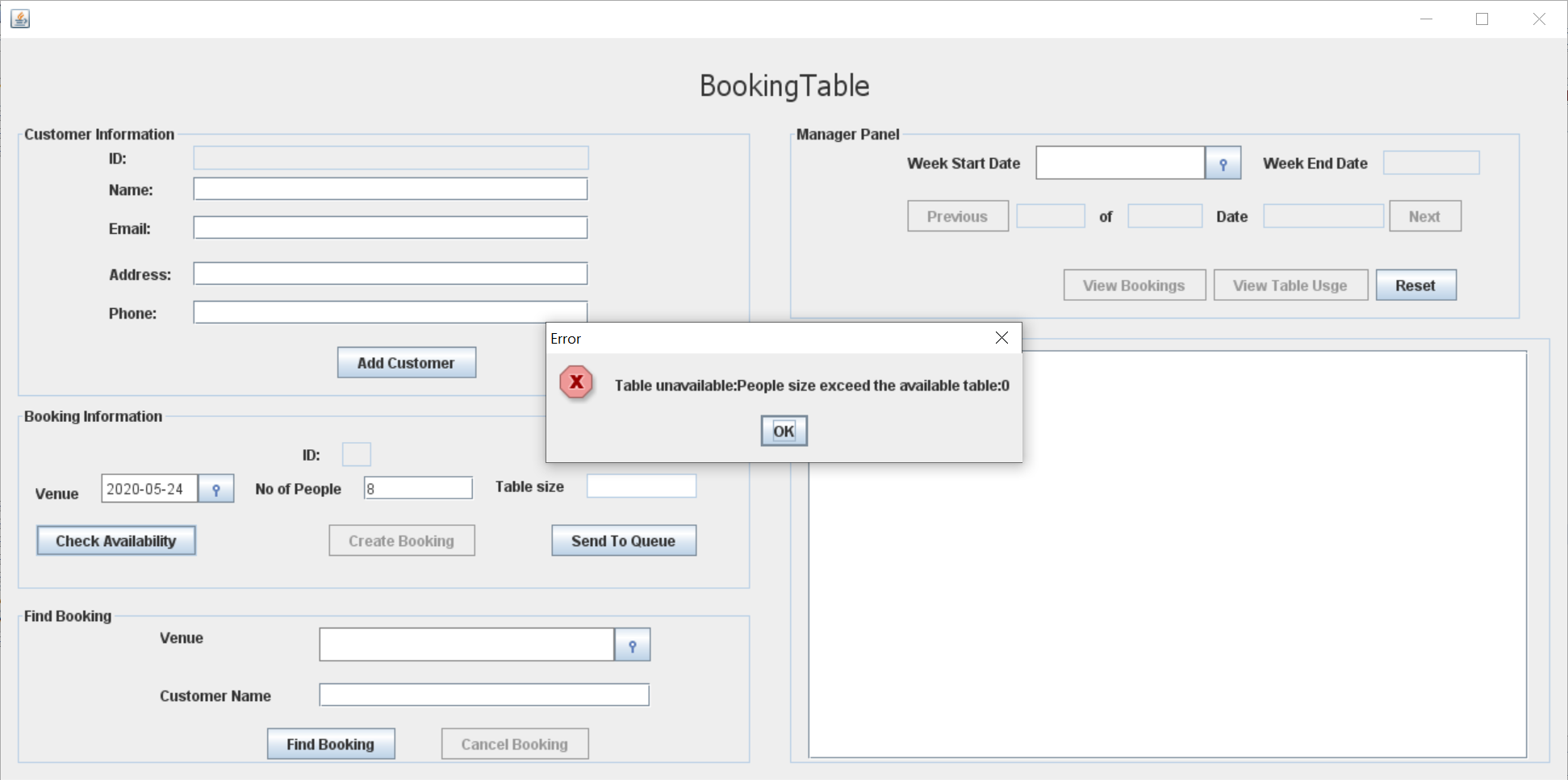
Field Missing in customer:

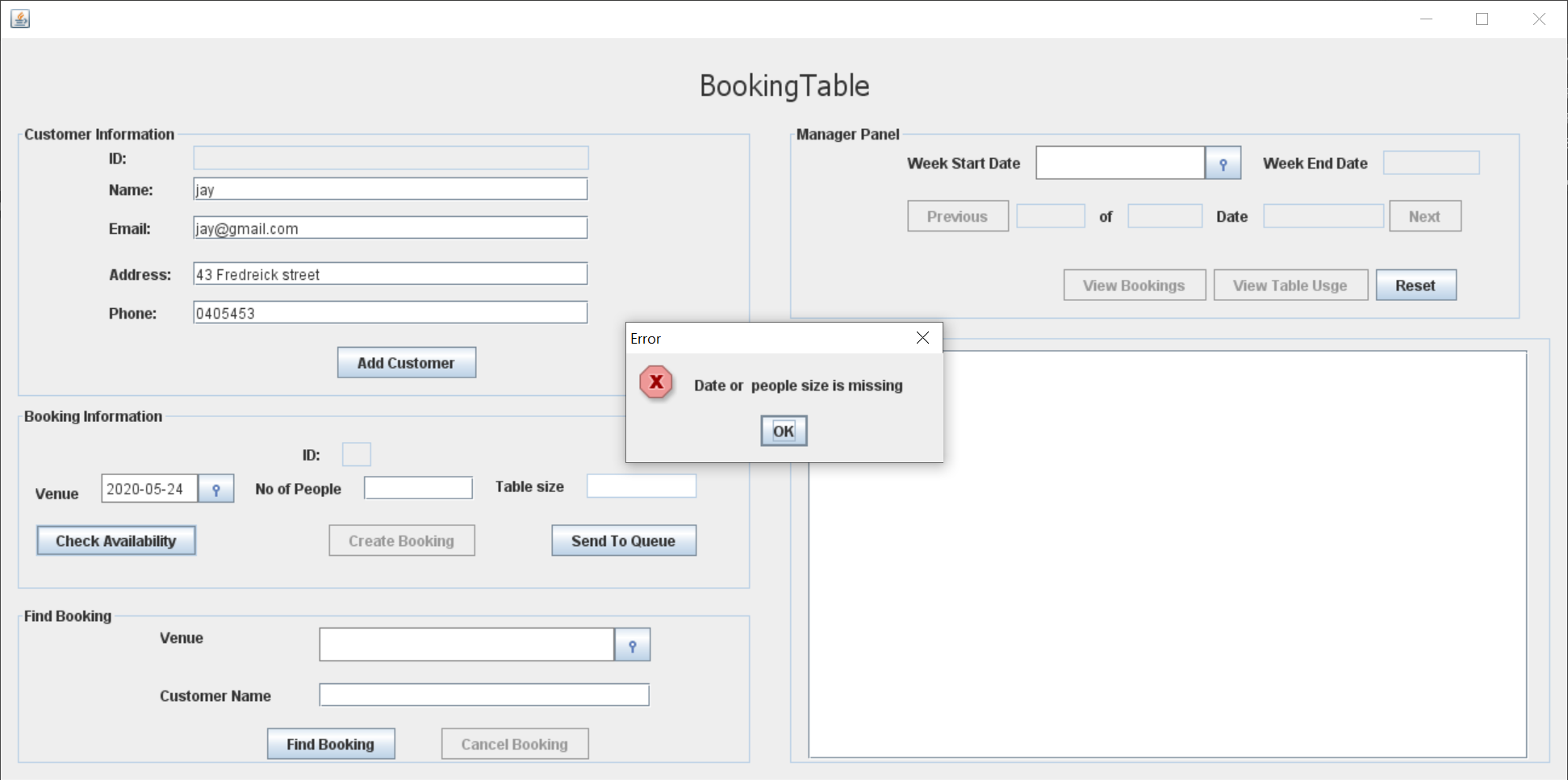


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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Check Availability button: Check for the available table, date and no of people | **Input:**  Venue:2020-05-24  No of People: 9  Press: Check Availability  button | Display message:  “Congratulations!! It is available: table size: 4” | Display message:  “Congratulations!! It is available: table size: 4” |
| Check Availability button: Check for the available table, date and no of people | **Input:**  Venue:2020-05-24  No of People: 11  Press: Check Availability  button | Should display the  “People size must be less than 10” | Displayed the  “People size must be less than 10” |
| Check Availability button: In case of unavailability | **Input:**  Venue:2020-05-24  No of People: 11  Press: Check Availability  button | Should display the  “Table unavailable: People size exceed the available table:” | Displayed the  “Table unavailable: People size exceed the available table:” |
| Field  Missing | **Input:**  Venue:2020-05-24  No of People:  Press: Check Availability  button | Should display the  “Date or people size is missing” | Should display the  “Date or people size is missing” |

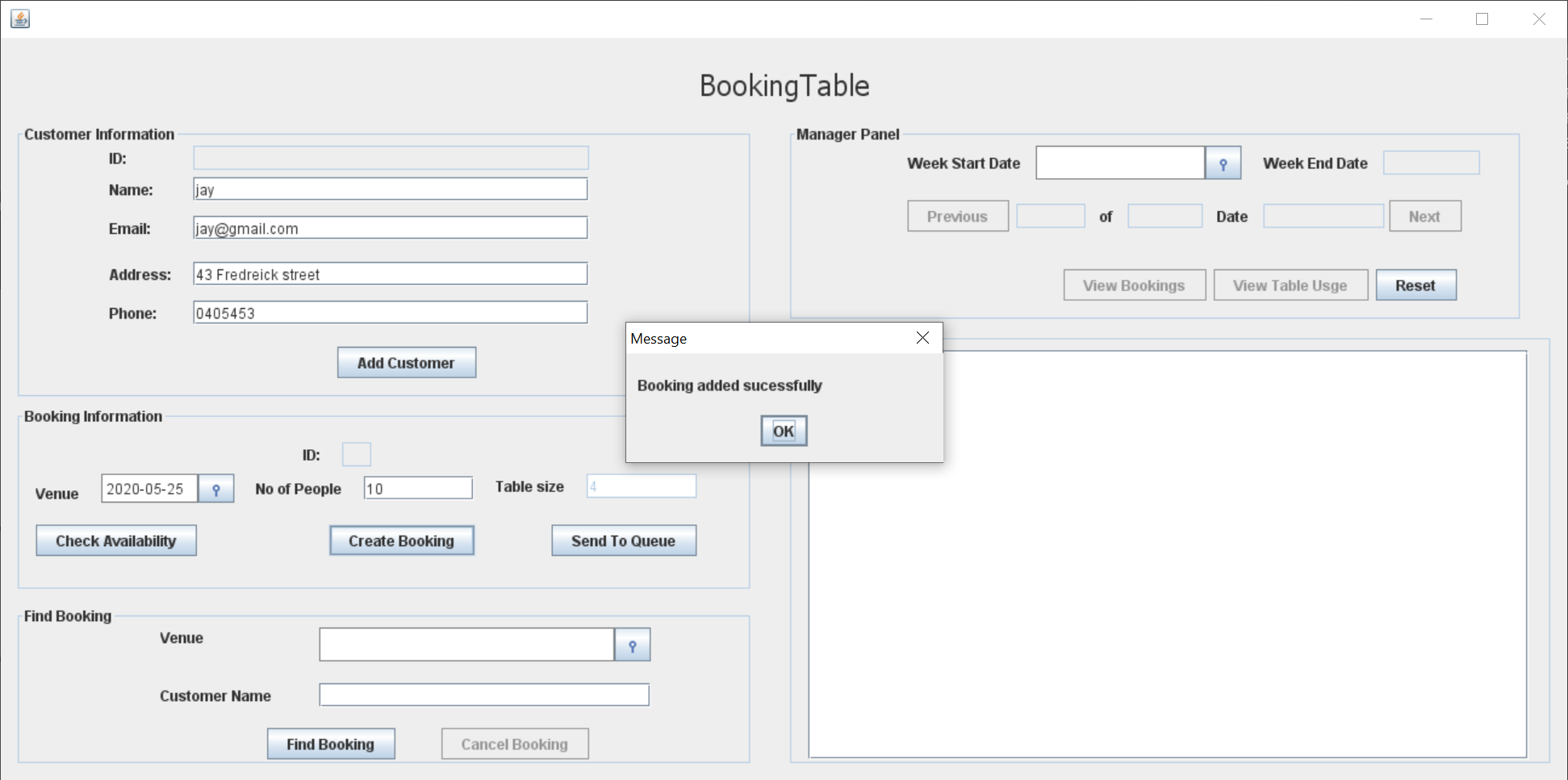


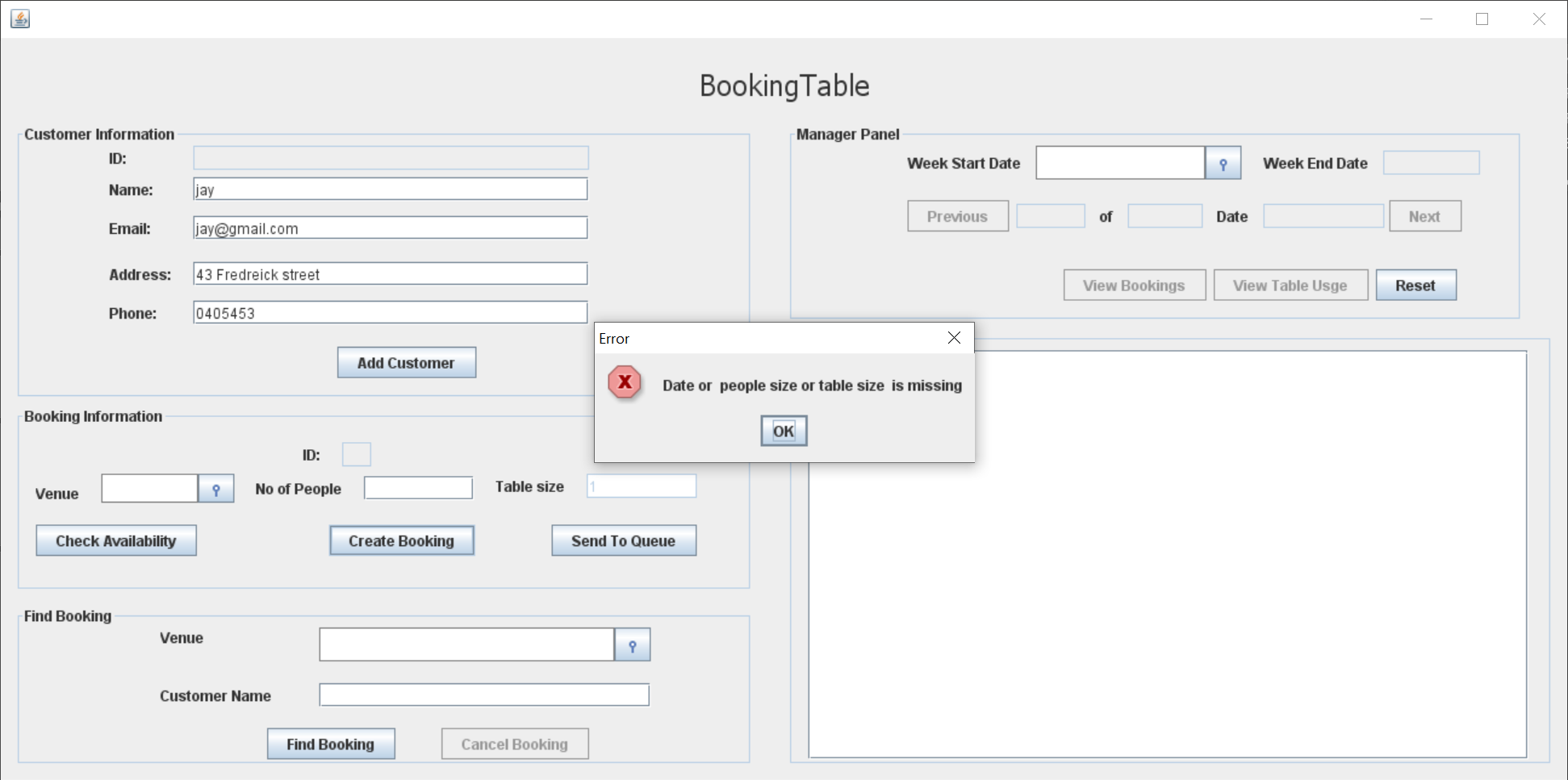




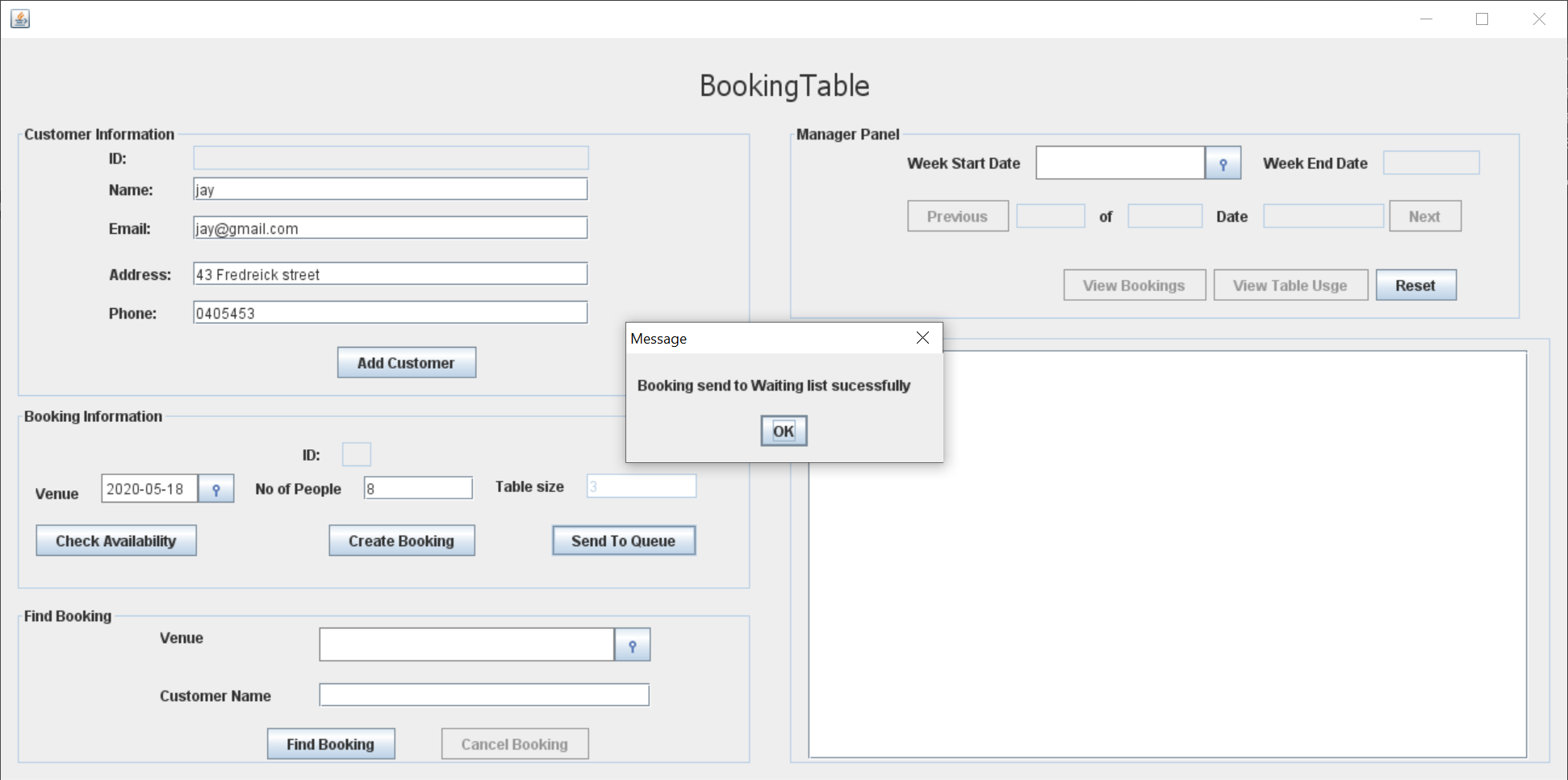


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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Create Booking button: Create the booking | **Input:**  Venue:2020-05-24  No of People: 10  Press: Create Booking  button | Display message:  “Booking added successfully” | Displayed message:  “Booking added successfully” |
| Create Booking button:  Handle missing field | **Input:**  Venue:  No of People:  Press: Create Booking  button | Should display the  “Date or people or table size missing” | Displayed the  “Date or people or table size missing” |

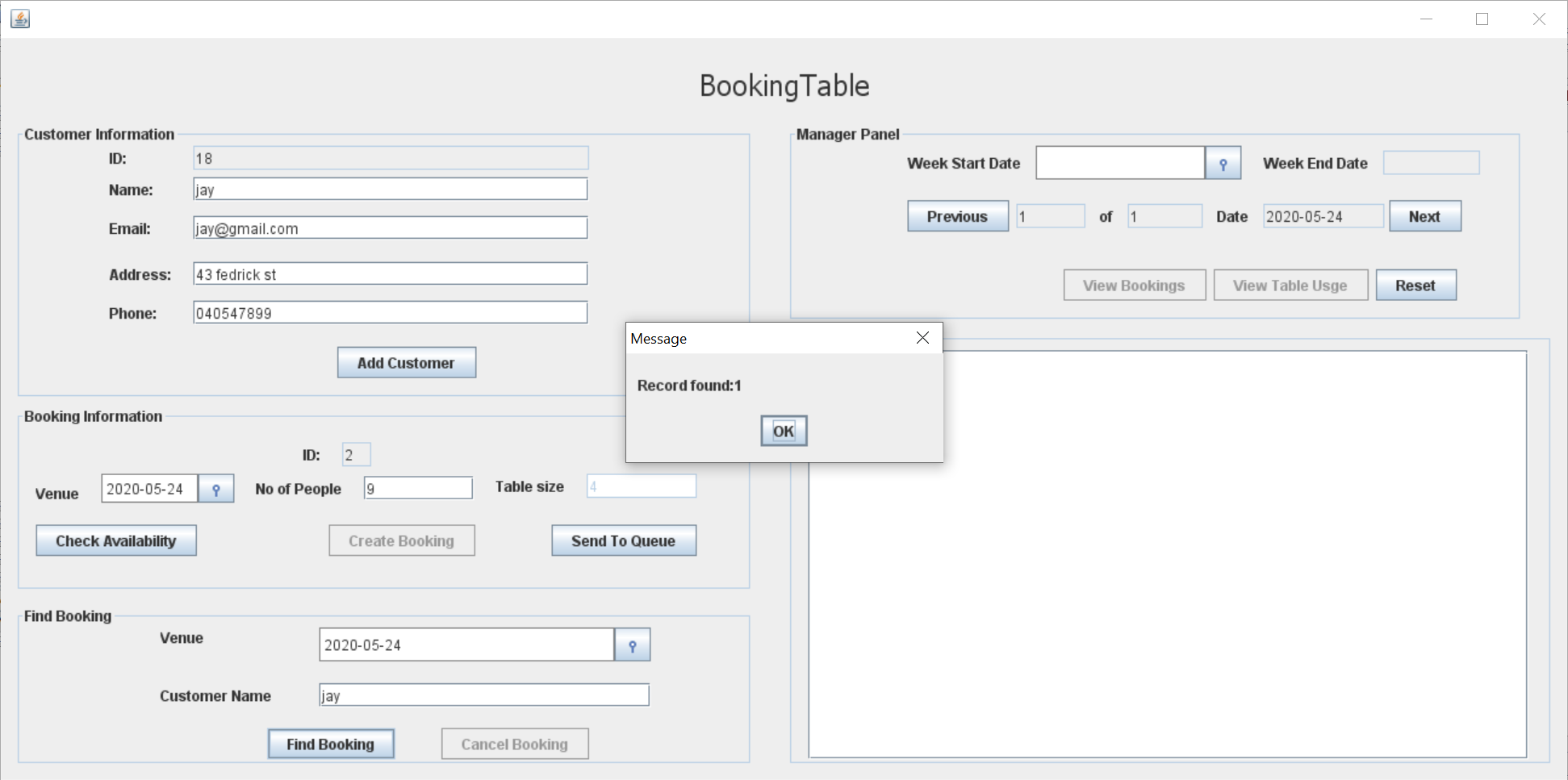


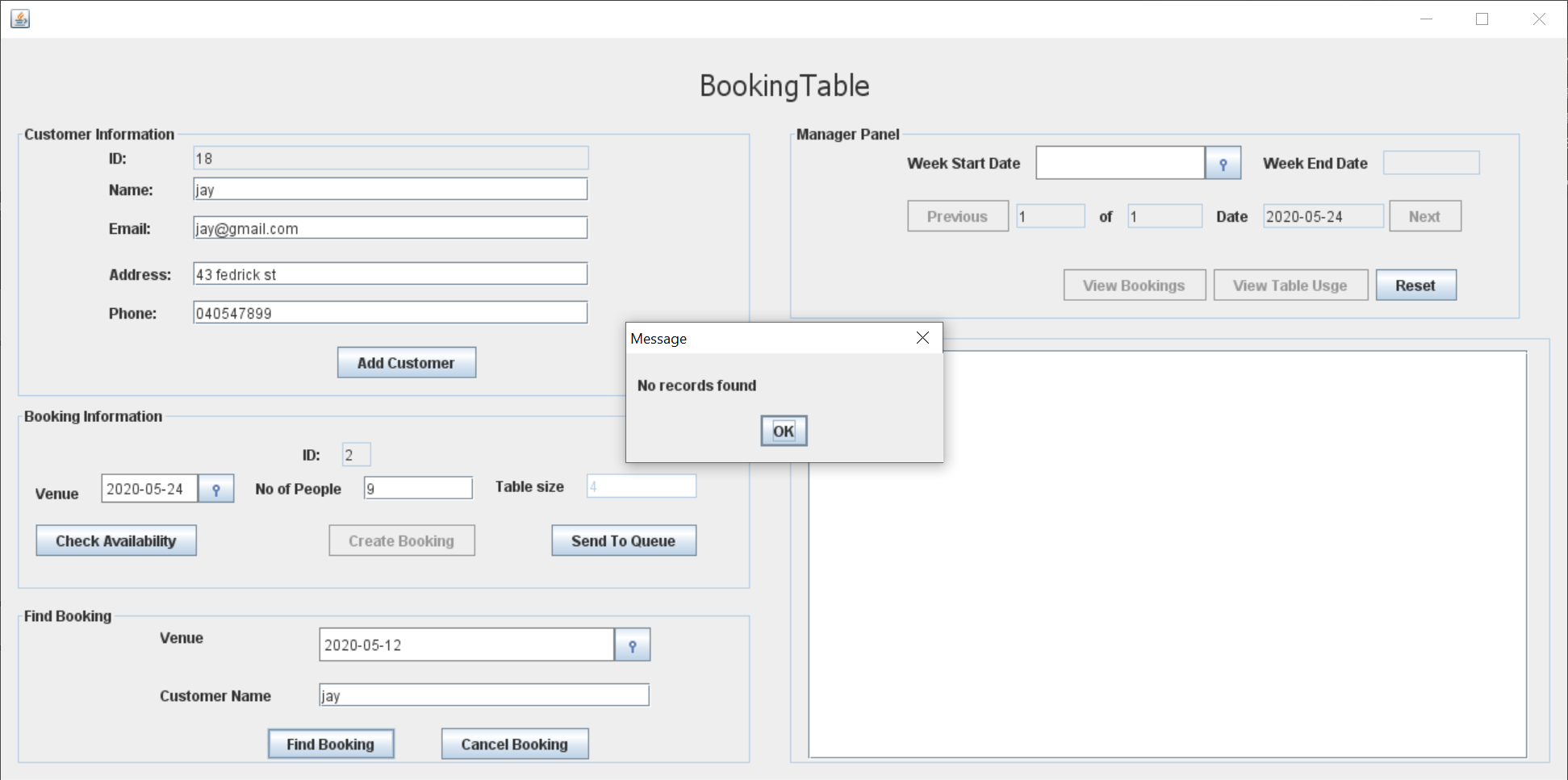


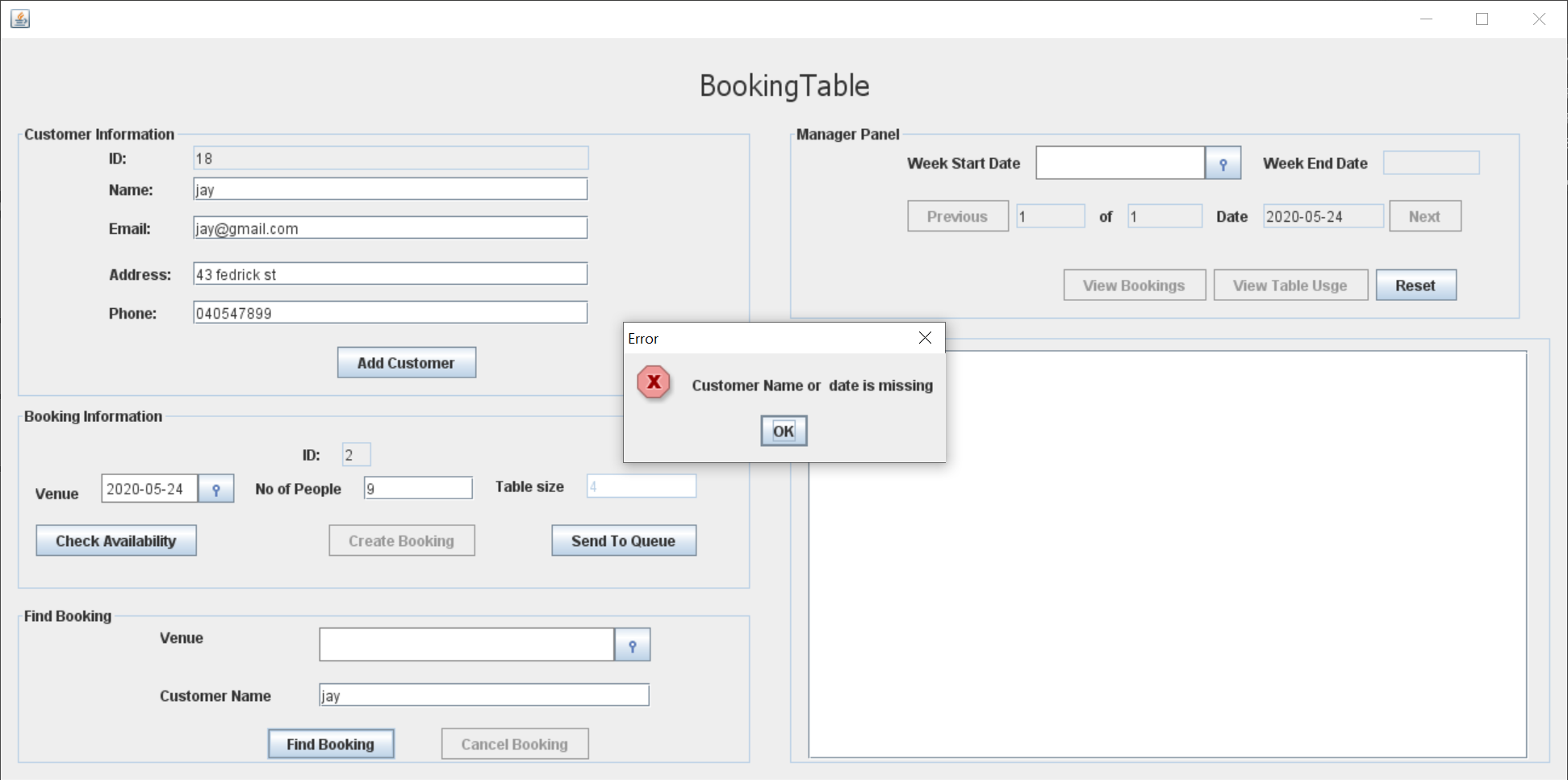
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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Send To queue button: Send the booking to waiting list | **Input:**  Venue:2020-05-18  No of People: 10  Press: Send to queue  button | Display message:  “Booking send to waiting list successfully” | Displayed message:  “Booking send to waiting list successfully” |



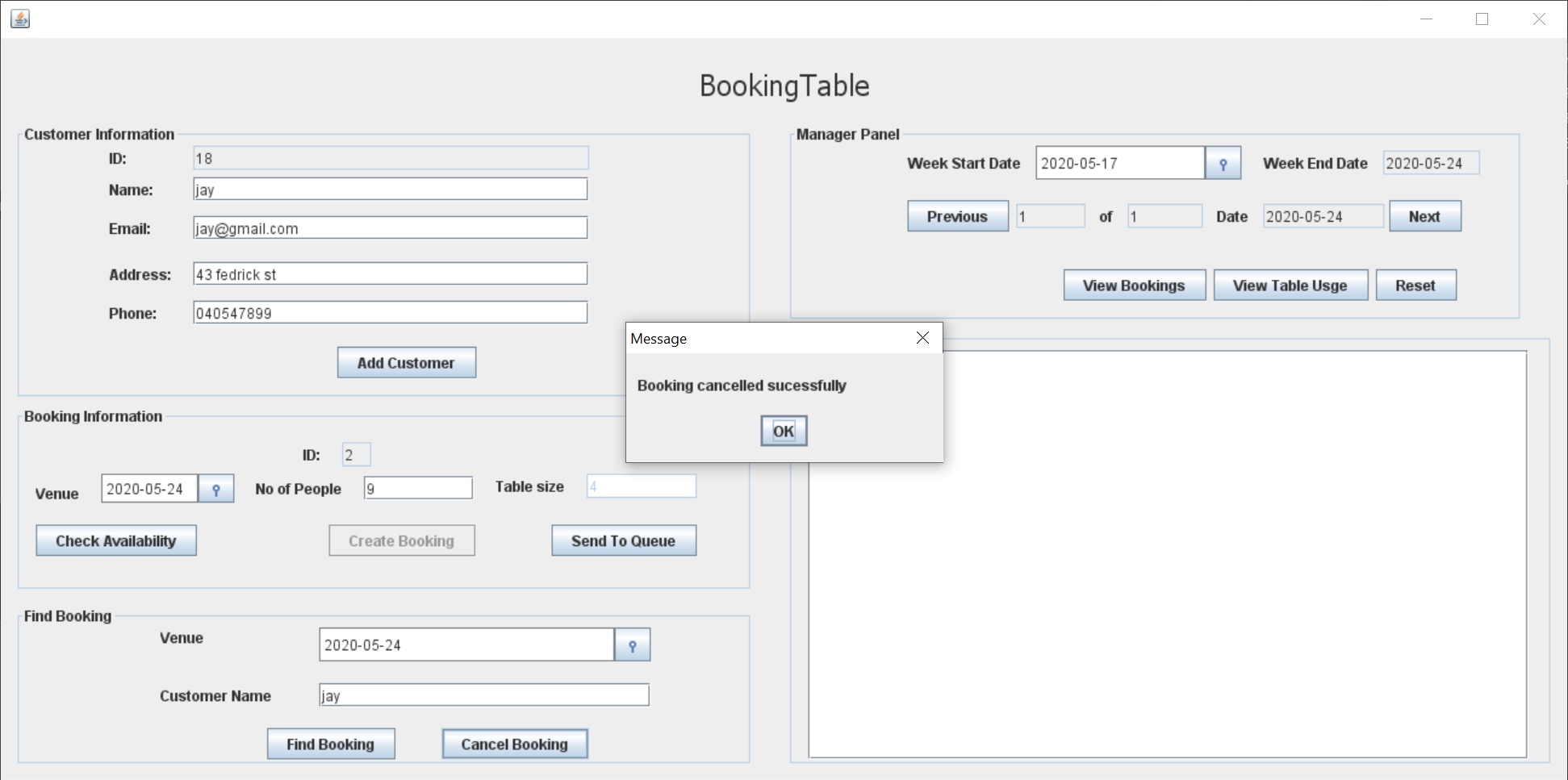
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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Find Booking button: Find the booking based on customer name and venue | **Input:**  Venue:2020-05-24  Customer Name: jay  Press: find booking | Display information in:  Customer Information:  Id :18  Name: jay  Email: [jay@gmail.com](mailto:jay@gmail.com)  Address:43 Fedrick st  Phone: 040547899  Booking Information:  Id:2  Venue: 2020-05-24  No of People:9  Table size: 4 | Displayed information in:  Customer Information:  Id :18  Name: jay  Email: [jay@gmail.com](mailto:jay@gmail.com)  Address:43 Fedrick st  Phone: 040547899  Booking Information:  Id:2  Venue: 2020-05-24  No of People:9  Table size: 4 |
| Handle Not found | **Input:**  Venue:2020-05-12  Customer Name: jay  Press: find booking | Display:  “No record found” | Displayed:  “No record found” |
| Handle  Missing field | **Input:**  Venue:  Customer Name: jay  Press: find booking | Display:  “Customer name or date is missing” | Display:  “Customer name or date is missing” |



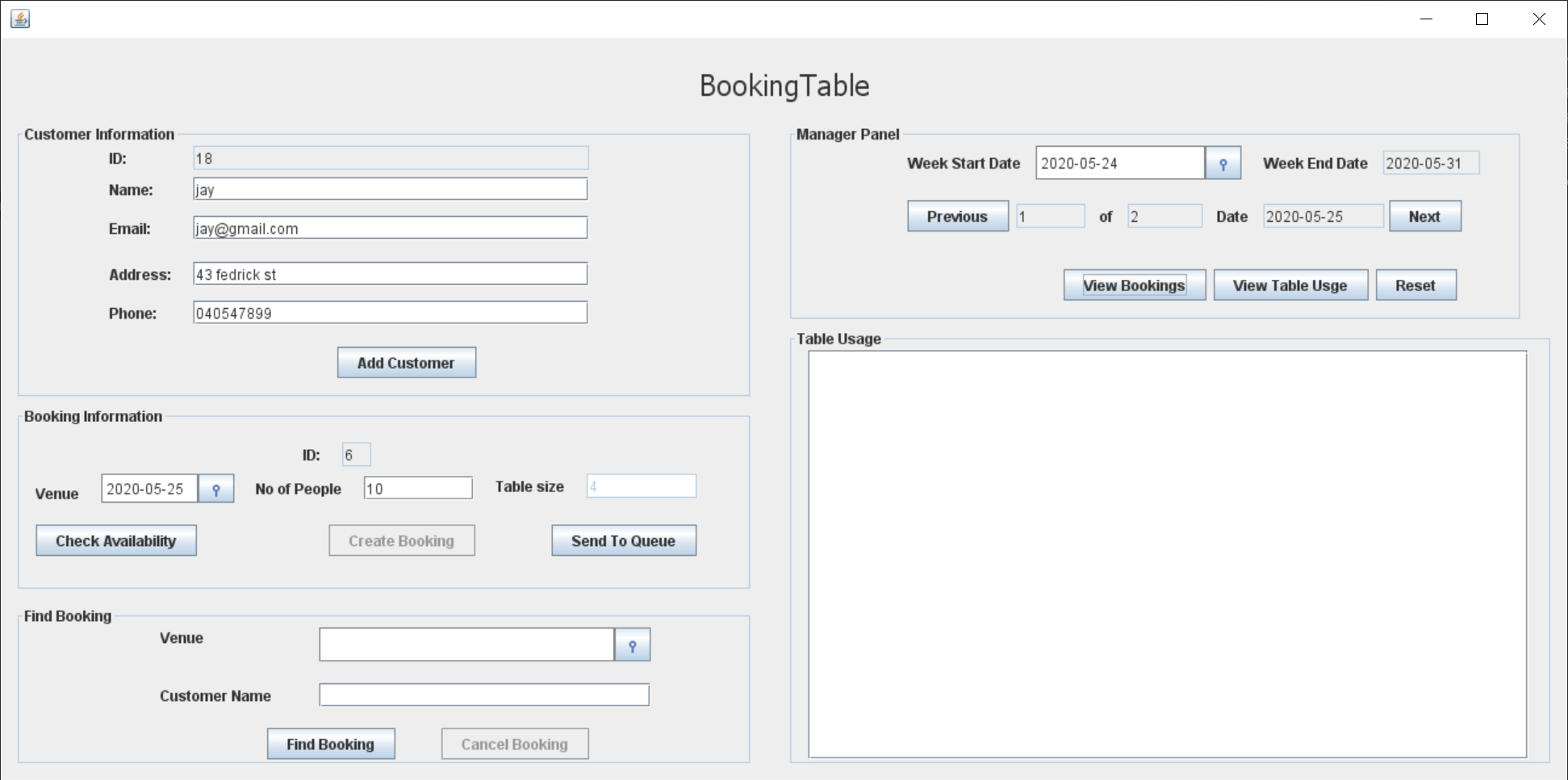


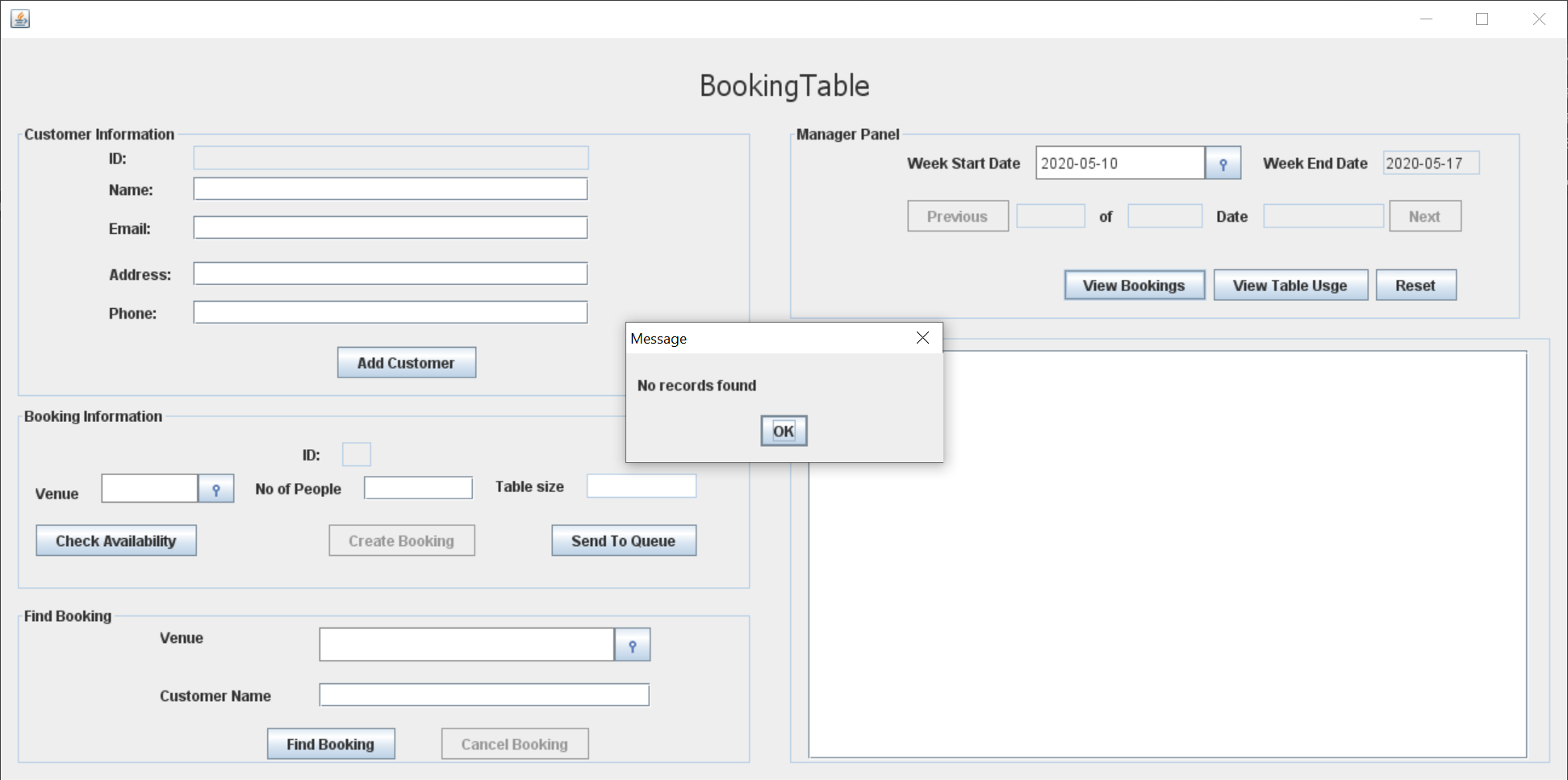


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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Cancel Booking button: Cancel the booking | **Input:**  Booking id:2  Press: cancel booking button | Display information in:  “Booking cancelled successfully” and remove the record from database | Display information in:  “Booking cancelled successfully” and remove the record from database |

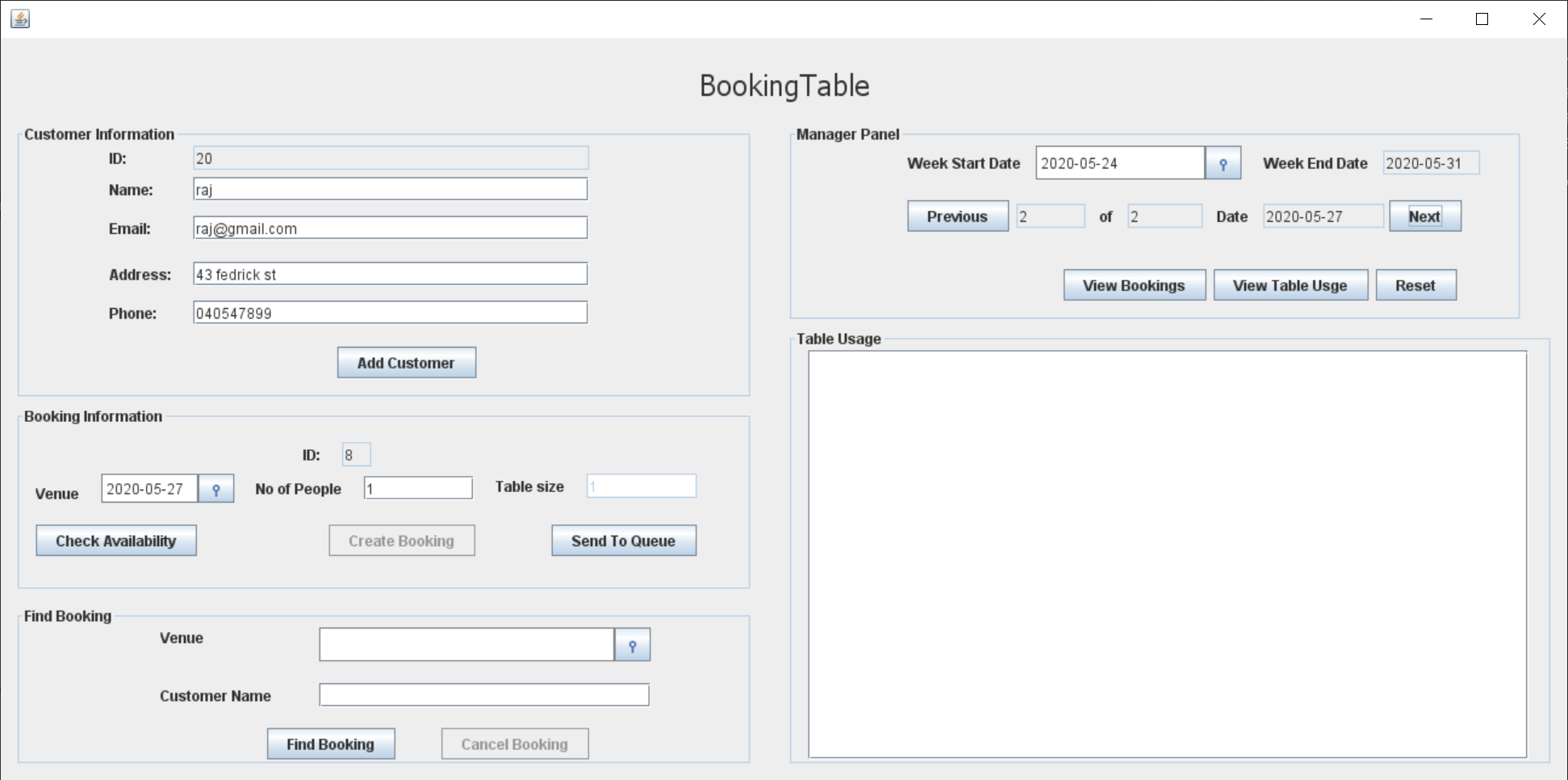


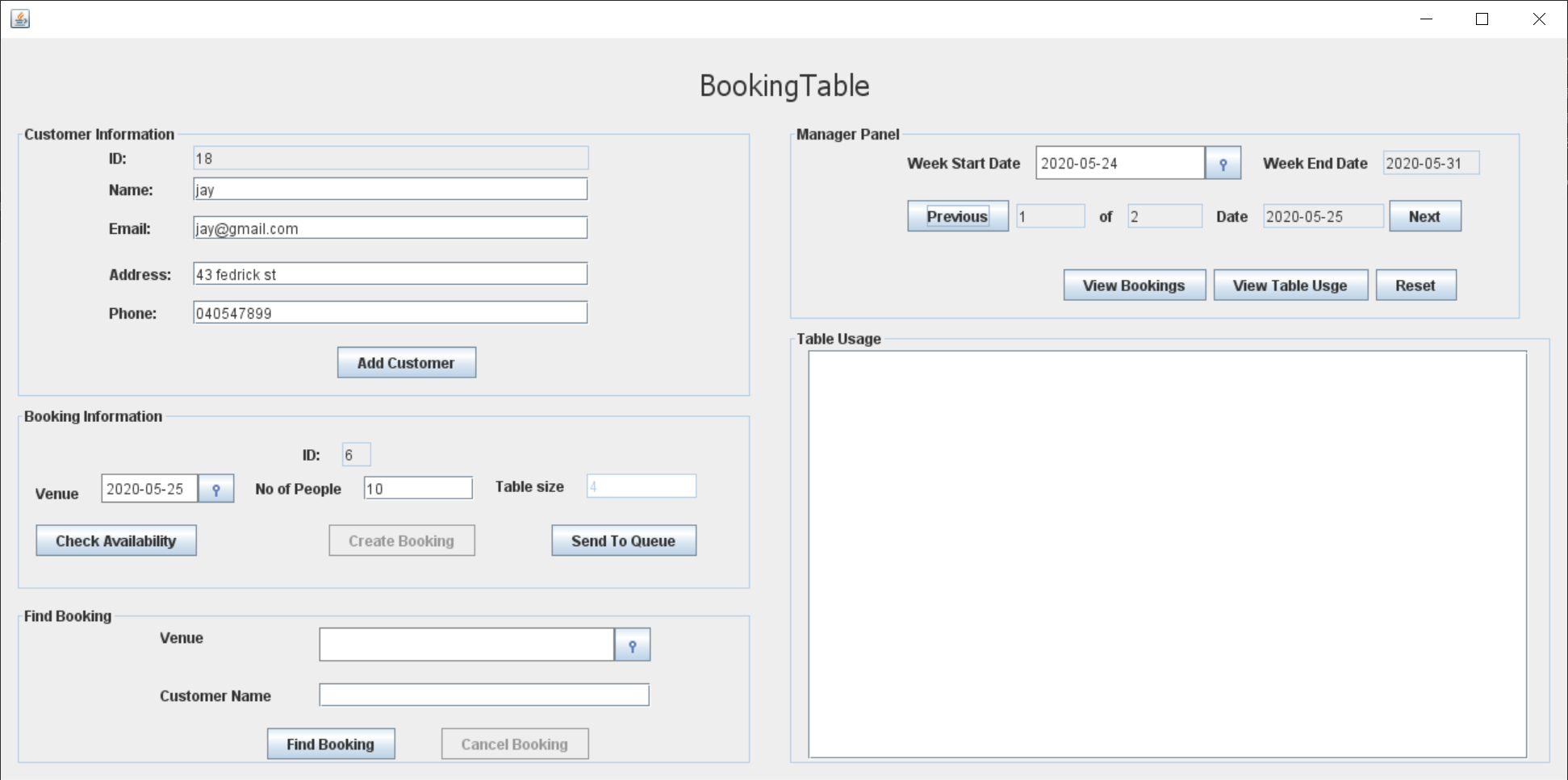
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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| View booking button: find the booking list between start date and end date | **Input:**  Week Start date: 2020-05-24  Week end date: 2020-05-31  Press: view booking button | Display records in:  Customer information:  Booking information and enable previous next button | Displayed records in:  Customer information:  Booking information and enable previous next button |
| Handle no records found | **Input:**  Week Start date: 2020-05-10  Week end date: 2020-05-17  Press: view booking button | Display:  “No records found” | Displayed:  “ No records found” |



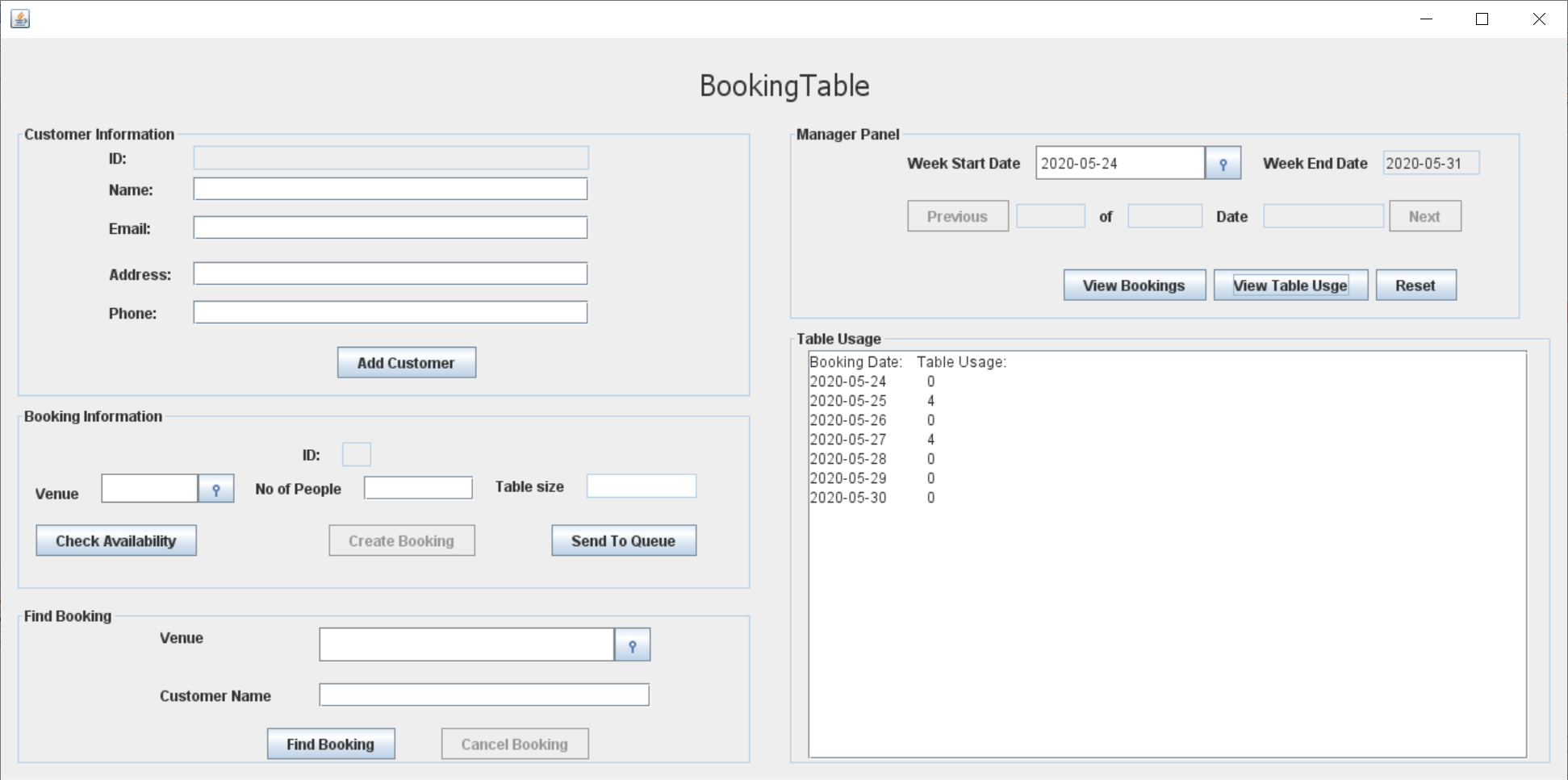


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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Next button: Display the next record in the panel | Press: Next button | Display records in:  Next record in the list | Displayed records in:  Next record in the list |
| Previous button: Display the previous record in the panel | Press: Previous button | Display:  Display previous record in the list | Displayed:  Display previous record in the list |

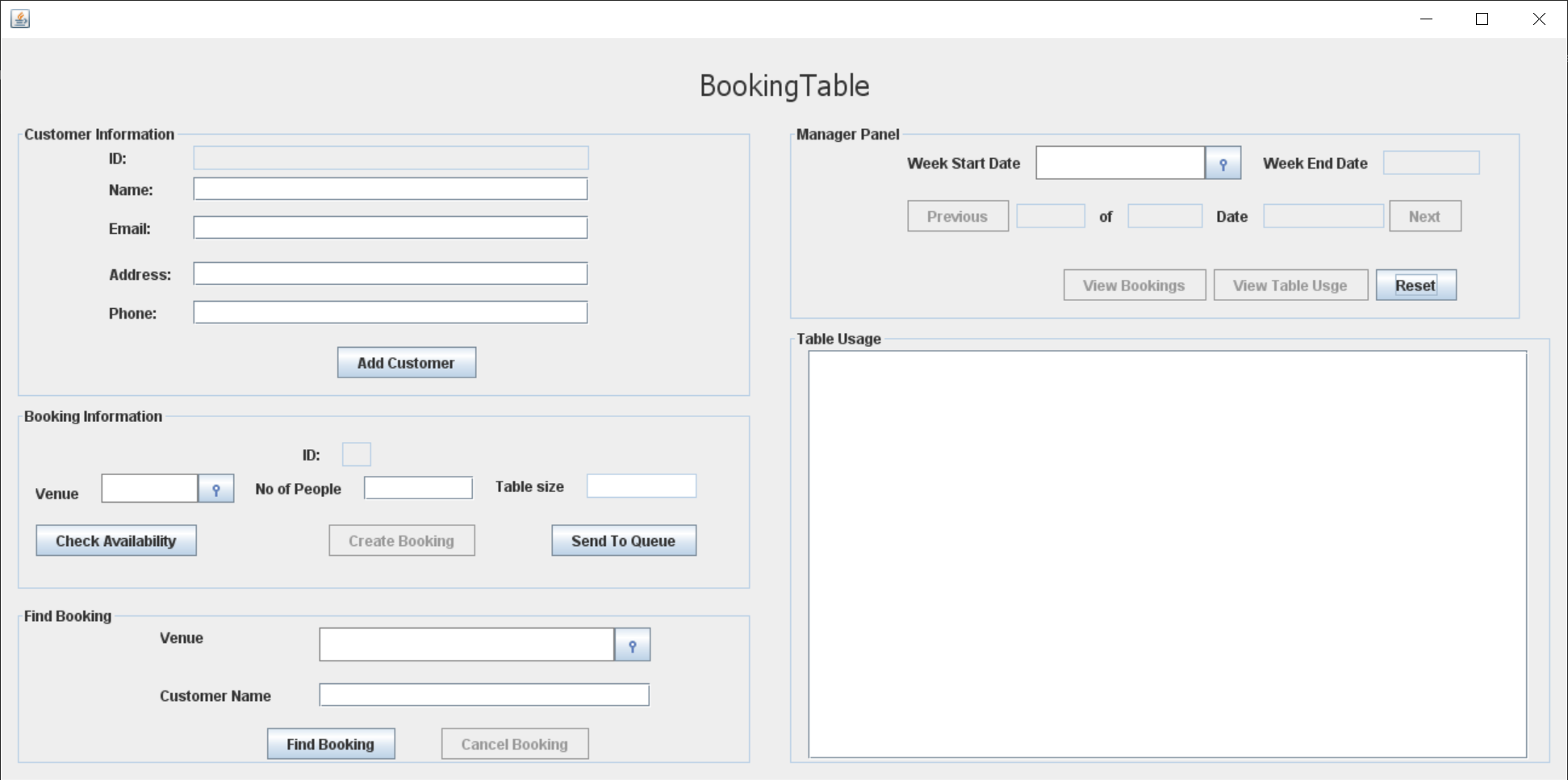




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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| View table usage button: Display the records of the table usage for that week | Press: View table usage button | Display records in the text field | Display records in the text field |



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| **Test Case** | **Input Data** | **Expected Result** | **Actual Result** |
| Reset button: Reset all the button and text fields to default | Reset button click | Reset to default | Reset everything |



# 

# Limitation:

The program is capable of supporting functionalities of creating, canceling and managing the booking list and customer. Moreover, it also supports error handling as well. However, it lacks following list of functionalities.

* The program doesn’t ensure the uniqueness of the customer of information while inserting.
* There lacks the feature of viewing the records in the queue.
* The program is incapable to auto display the week start date and end date, manual input must be provided.
* There lacks control to check the current date while creating the booking, expired date could be inserted mistakenly.
* There lacks the authentication mechanism for the booking staff and the manager. Anyone could access all the functionalities of the application.