*[The Test Case ID should be unique. In addition, the name of each Test Case should reflect the intent of the test case, ideally expressed as a Boolean condition.]*

**<Test Case ID> - <Test Case Name>:**

Description: [Describe the logical condition that the Test Case evaluates. Include the expected result.]

Pre-conditions: [List conditions that must be true before this Test Case can start.]

Post-conditions: [List conditions that should be true when this Test Case ends.]

Data required: [Identify the type of data required for this Test Case.]

**[repeat as needed]**

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| Test Case ID | Test Case Name | Description | Pre-conditions | Post-conditions | Data required |  |  |
| UC1-1 | Diner can make a reservation for a single person | Ensure that the system allows a diner to make a reservation for a single person. | - The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant. | - The diner has successfully completed a reservation for a single person. - The reservation information, including the restaurant location, date, time, and the number of guests (1), is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives a confirmation, sent to their email or phone number, with the reservation details. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time. | Restaurant information, diner information (name, email or phone number), reservation details (date, time, number of guests) |  |  |
| UC1-2 | Diner can make a reservation for multiple people | Ensure that the system allows a diner to make a reservation for multiple people. | - The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant. - The diner has entered the number of guests (2 or more). | - The diner has successfully completed a reservation for multiple people. - The reservation information, including the restaurant location, date, time, and the number of guests, is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives a confirmation, sent to their email or phone number, with the reservation details. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time. | Restaurant information, diner information (name, email or phone number), reservation details (date, time, number of guests) |  |  |
| UC1-3 | Diner can make a reservation for a restaurant with an event | Ensure that the system allows a diner to make a reservation for a restaurant with an event. | - The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant with an event. - The diner has entered the number of guests (2 or more). - The diner has entered their credit card details for payment. | - The diner has successfully completed a reservation for a restaurant with an event. - The reservation information, including the restaurant location, date, time, the number of guests, and the event details, is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives a confirmation, sent to their email or phone number, with the reservation details. - The diner's credit card is charged for the event fee. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time. | Restaurant information, diner information (name, email or phone number), reservation details (date, time, number of guests), event details, credit card details |  |  |
| UC1-4 | Diner can make a reservation for a restaurant with a group size exceeding the maximum | Ensure that the system allows a diner to make a reservation for a restaurant with a group size exceeding the maximum, with additional charges. | - The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant with a maximum group size. - The diner has entered the number of guests (exceeding the maximum group size). - The diner has entered their credit card details for payment. | - The diner has successfully completed a reservation for a restaurant with a group size exceeding the maximum, with additional charges. - The reservation information, including the restaurant location, date, time, the number of guests, and the additional charges, is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives a confirmation, sent to their email or phone number, with the reservation details. - The diner's credit card is charged for the additional charges. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time. | Restaurant information, diner information (name, email or phone number), reservation details (date, time, number of guests), credit card |  |  |
| UC1-5 | System can handle incorrect diner information | Ensure that the system can handle incorrect diner information and prompt the diner to correct it. | - The diner enters incorrect information during the reservation process. - The reservation system detects the incorrect information. | - The system prompts the diner to correct the incorrect information. - The diner can successfully update their information and complete the reservation process. | Diner information (name, email or phone number) |  |  |
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