**Test case specification identifier:** BBMS DO 6.2.1

**Test items:** The items to be tested in this test case are the data validation function of the “get” and “set” member functions of the guest object. There will be two parts to the test, the valid data entry and invalid data entry.

**Input specifications:** The input for this test will be a valid data item and an invalid data item entered into the guest name and credit card fields of the guest information element of the user interface. The address and phone number fields will not be tested as they can accept any character sequence.

Case #1: The user of the BBMS enters a valid customer name (e.g. John Smith) of string data type and a valid 16 digit credit card number without spaces of type integer.

Case #2: The user of the BBMS enters a user name that includes a value of 0-9 or special character, or a credit card number that includes spaces or any character other than 0-9.

**Output specifications:**

Case #1: The successful creation of a guest object and an entry into an event log indicating success.

Case #2: An error message to the user indicating that an invalid character has been entered. The error message will give details of which field contains the invalid character and an explanation of what input is valid.

**Environmental needs:** There are no specific hardware needs for this test. The BBMS services need to be running and event and error logs capturing data.

**Special procedural requirements:** None.

**Intercase dependencies:** SERV2

**Test case specification identifier:** BBMS DO 6.2.3

**Test items:** The items to be tested are the isGauranteed(void) Boolean and the setGauranteeDate(date) member functions of the Reservation object.

**Input specifications:** The user of the BBMS attempts to create a reservation for a date that has been guaranteed by other customers. The reservation date information is entered in the appropriate fields of the guest reservation element and the user clicks “Save Reservation.”

**Output specifications:** The user will receive an error indicating that all rooms have been reserved by other customers and payment received. The isGauranteed Boolean would have been set to TRUE for all reservations on that date and the error is logged.

**Environmental needs:** There are no specific hardware needs for this test. The BBMS services need to be running and event and error logs capturing data.

**Special procedural requirements:** None.

**Intercase dependencies:** SERV6