

## **System Level Testing**

System level testing is a way of ensuring that the software performs as it was intended. This type of testing typically occurs near the end of a project. The primary goal is to determine if the software fulfills the requirements set by the customer.

In order to test the software as a whole, there are many different parts of the software that should be checked. From what the user sees, such as the GUI, and their experience (UX), to the parts running in the background, such as the servers supporting the software, and how security is maintained.

The following is an example of a system level test for a simple reservation application.

### **Description:**

The user interacts with the reservation application to set up a reservation for a specific date and receives a confirmation if the input criteria are met, or an error if something goes wrong such as invalid input. The server receives the request and checks the input. It either enters it into the calendar and returns a success and sends an email or returns an error message to the user.

### **Pre-Condition:**

The user must already be on the appropriate reservation page of the website.

### **Post Conditions:**

#### **Success**

The user gets a response message indicating "Request Received" and an email at their input address indicated the reservation was made.

The user receives a message indicating the date entered does not conform to the specified format.

The user receives a message indicating the email address does not conform to the specified format.

#### **Failure**

The user receives a success message when an invalid date or email is entered.

The user receives an error message when a valid date and email is used.

### **Trigger:**

The user clicks the "Submit" button.