# Testing

## 5.1 Introduction

Testing is the stage after the implementation phase. It is defined as an activity to check whether the actual results match the expected results and ensure that the system work properly. Testing helps to provide bug free, user friendly and stable system. It involves execution of a software component or system component to evaluate one or more property of interest. Testing is the very important phase for the system development as its determine the quality of system being developed.

There are several types of testing and they are:

* White box testing
* Black box testing
* Integrated testing
* Unit testing and others many more.

But among them I am going to use black box testing and unit testing in my project.

## 5.2 Types of testing used in my project

**Black box testing:**

Black box testing is known as a testing technique in which functionality of the system is tested without looking at the internal code structure, implementation details and knowledge of internals paths of the software. This test started tester giving an input to get back certain output. It also known as behavioral testing.



In black box testing we only care about the inputs and outputs of the system without bothering about the internal knowledge of the system. So, tester do not need to have any knowledge about the technologies used.

Some of the testing I performed are as follows:

* Empty registration validation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Registration | All credentials blank | Error message will pop up |  | pass |

* Check email validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Email validation | Valid other details, invalid email | Get pop up message |  | pass |

* Check name validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Name validation | Valid other details, name email | Get pop up message |  | pass |

* Check password validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Registration | password validation check “must contain at least 6 number ” | Message will pop up to enter valid password format. |  | pass |

* Check registration successful or not

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Registration form | Enter  all Valid details | Message will pop up to after registration successfully |  | pass |

* Check login successful.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Login form | Enter  all Valid details | Message will pop up to after login successfully |  | pass |

* Check update successful or not.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Update information | Enter  all Valid details | Message will pop up to after update successful |  | pass |

* Check giving feedback

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Feedback form | Giving feedback | Message will pop up “thank you for feedback” |  | pass |

* Check adding product by admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Product adding form | Enter  all Valid details | Message will pop up to after product added |  | pass |

* Check Adding product to cart

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Object  /form | Input | Expected output | Actual output | Remarks |
|  | Product added to cart | Add the product in cart | Message will pop up “product added to cart” |  | pass |