# Testing

Testing refers to the process of checking actual result with expected result of the system to confirm that the system works nicely and is bug free.

Due to following reasons software testing is important:

* Defects in software can cause economic, time and reputation loss.
* It improve reliability, performance and security.
* Also it improve quality of software and satisfy customer.

There are various types of testing like UI testing, regression testing, black box testing, white testing, unit testing and so on. From the above type of testing I am doing

* Unit and black box testing.

1. Black box testing.

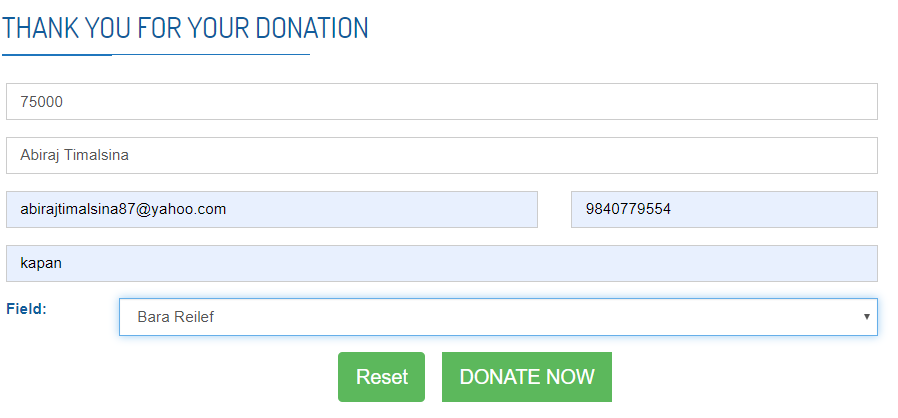
The process of testing the input and output without bothering internal working of the system is known as black box testing. The reason behind choosing black box testing are:

* It is easy to do because code is not required and done through the user points of view.
* It emphasis on functional requirements.
* Mainly, it test behavioral and performance errors.

Test Name: Donation Test.

Pre-condition: User must successfully donate.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test no | Test Scenario | Test Input Data | Expected result | Actual result | Result (Pass/Fail) |
| 1 | To check if the value inserted is working properly. | Amount: 75000  Name: Abiraj Timalsina  Email:  abirajtimalsina87@yahoo.com  Phone: 9840779554  Address: Kapan  Field: Bara Relief. | The data should be inserted into the database and user should be redirected to the donation page. | Successfully data is inserted into the database and user is redirected to the donation page. | Pass |



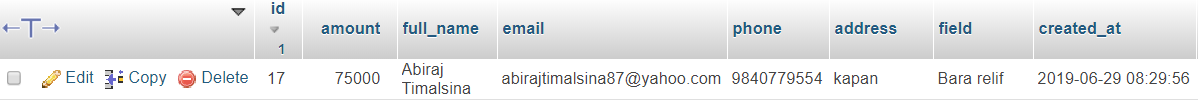
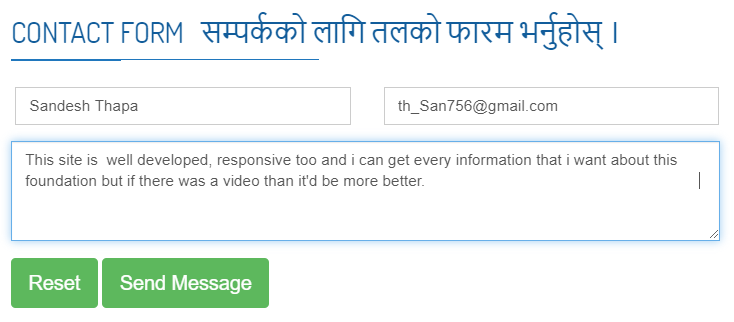


Fig 1: UI of donation page and database after successfully donated.

Test Name: Contact Form Test.

Pre-condition: User must successfully send information to contact.

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| --- | --- | --- | --- | --- | --- |
| Test no | Test Scenario | Test Input Data | Expected result | Actual result | Result (Pass/Fail) |
| 2 | To check if the value inserted is working properly. | Name: Sandesh Thapa  Email: th\_San756@gmail.com  Message: This site is well developed, responsive too and I can get every information that I want about this foundation but if there was a video than it'd be better. | The data should be inserted into the database and user should be redirected to the Contact page. | Successfully data is inserted into the database and user is redirected to the Contact page. | Pass |



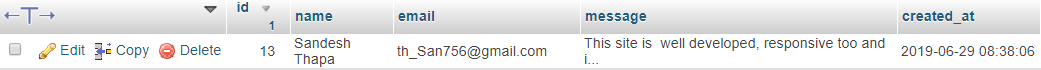
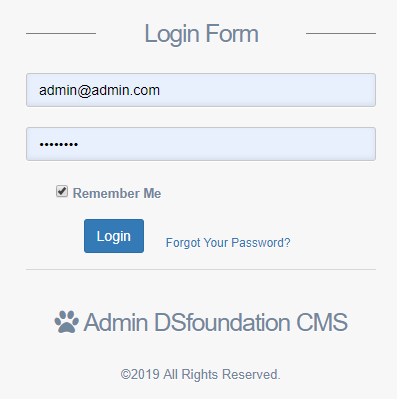


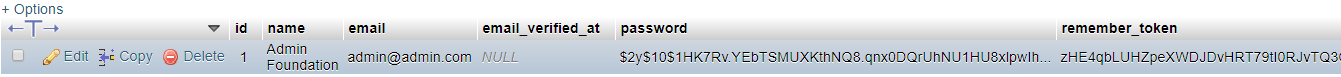
Fig 2: UI of Contact page and database after successfully insertion of data.

Test Name: Login Test.

Pre-condition: Admin must successfully logged in and access to the dashboard.

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| --- | --- | --- | --- | --- | --- |
| Test no | Test Scenario | Test Input Data | Expected result | Actual result | Result (Pass/Fail) |
| 2 | To check if the value inserted for login is working properly. | Email: admin@admin.com  Password: admin123. | The inserted data for login should be matched from the database and admin should be able to access the dashboard page. | Successfully inserted data is matched form the database and admin is able to access the dashboard page. | Pass |





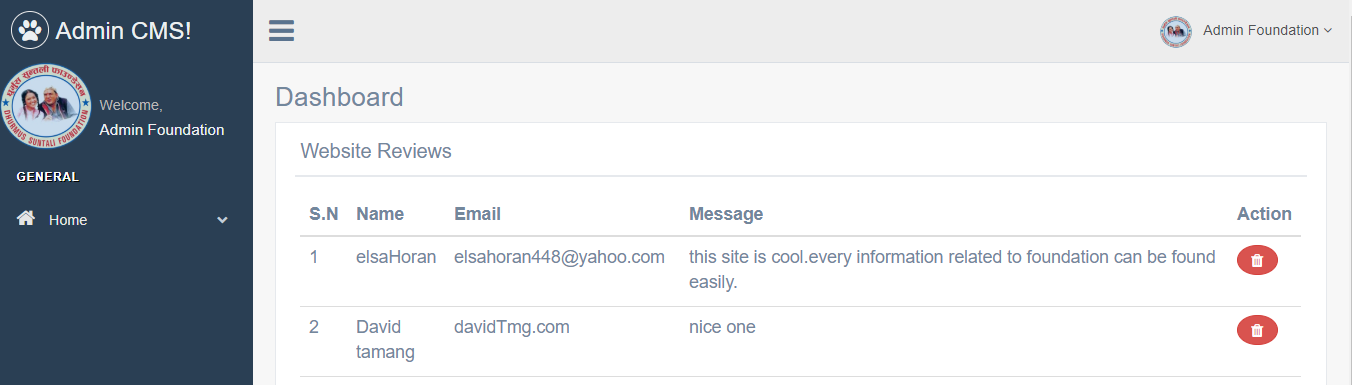
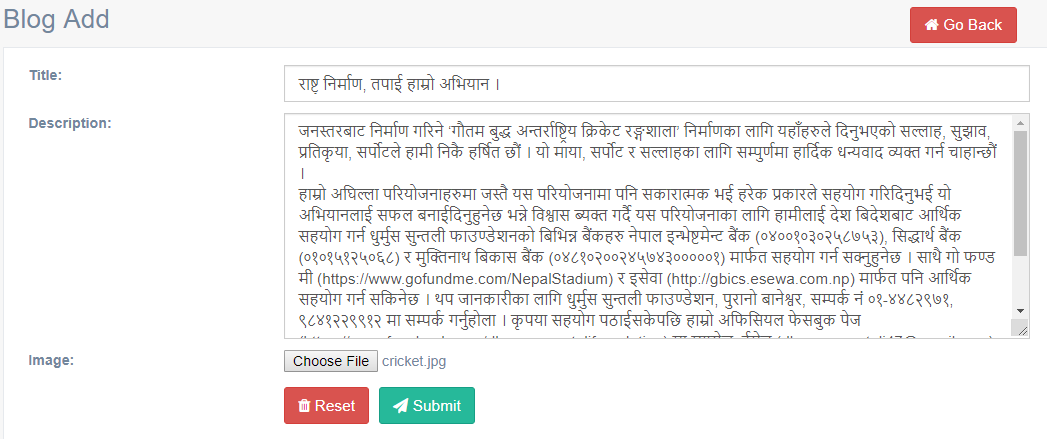


Fig 3: UI of Login page, database and dashboard pages after successfully admin logged in.

Test Name: Posting Blog Test.

Pre-condition: Admin must successfully post the blog and redirect to the post blog page.

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| --- | --- | --- | --- | --- | --- |
| Test no | Test Scenario | Test Input Data | Expected result | Actual result | Result (Pass/Fail) |
| 3 | To check if the value inserted for login is working properly. | Title: राष्ट्र निर्माण, तपाई हाम्रो अभियान ।  Description: जनस्तरबाट……  Image: cricket.jpg | The data should be inserted into the database and admin should be redirected to the Blog add page. | Successfully data is inserted into the database and admin is redirected to the Blog add page. | Pass |



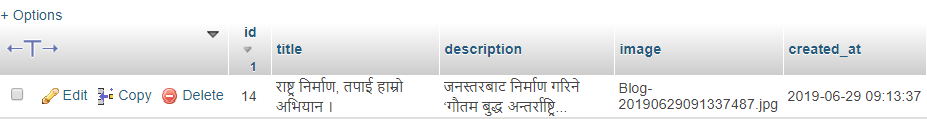


Fig 4: UI of Blog page and database pages after admin successfully posted blog.