**1.Functional test cases**

1.Sign in to the application using given url

<http://hmt-qa-test.s3-website.ap-south-1.amazonaws.com>

Result: User should be navigate to page successfully. “Welcome” message should appear.

2.Enter user details in following format

|  |  |  |
| --- | --- | --- |
| Fields | Validation | Sample value |
| First Name | Should not be empty | abc |
| Last Name | Should not be empty | cde |
| Guardians name | Should not be empty | efg |
| Guardian contact | Should be in mobile number format | 0712342345 |
| Your Email | Should be in proper email format | [Ace@gmail.com](mailto:Ace@gmail.com) |
| Your Phone | Should be in mobile number format | 0712345432 |
| Gender | Select from dropdown | Male/female |
| Address | Should not be empty | 23,mahawila rd,colombo |

3. Click on Register button  
Result: There should not be any error message

3.

a) Stress testing: This application can be tested with 50 users registering at the same time to see how the application behaves .This can be tested using jmeter

b)Performance testing: We can conduct a Jmeter testing to do the following tests

Response time

Resource usage

Errors per second

C:Security Testing :This can be tested using following scenario

Enter user details to form

Click Register

Click back button on the browser

Verify the user details are appear or not

* Or we can test Security using open source tool such as Wapiti