# Testing Report

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**Black-Box System Testing on Functional Requirements**

- FR1 : Sign-In/Sign-up process and generation of User-Id.

    Test Suit FR1-

    Sign-up

    {Name : Alphabet Upper/Lower Case [1,100], Hospital : Alphanumeric + Special Character [1,100], Email : Email constraint check [1,100], Password : Alphanumeric + Special Character [8,80], Confirm Password : Equal to Password}

    {Empty,Empty,"email123","less<8","different"} – Not accepted. Passed.

    {"hundredcharacterlongnametotesttheinputlengghtfornamefieldintheformrlongnametotesttheinputlengghtfornamefiel","hundredcharacterlongnametotesttheinputlengghtfornamefieldintheformrlongnametotesttheinputlengghtfornamefiel","hundredcharacterlongnametotesttheinputlengghtfornamefieldintheformrlongnametotesttheinputlengghtfornamefiel","eightycharacterlongpasswordfortestingthepasswordfieldwhichshouldfailthetest","Thiswillnotmatch"} – Not accepted. Passed.

    { "Name of the doctor less than or equal to hundred characters", "Name of The hospital less than or equal 100 characters special (@...) characters are accepted", "mail@domain.com", "Password between 8 and 8 characters can accept special symbols(@,#,$...)", "Password between 8 and 8 characters can accept special symbols(@,#,$...)" }

    – Accepted and Doc-ID generated. Passed.

- FR2 : Sign-In

    {Username: Nothing except a valid existing Doc-ID, Password : Nothing except a valid password for Username field}

    {"ThisisaTest","Thisisatest"} – Not accepted. Passed.

    {000,1} – Not accepted. Passed.

    {"Doc0001", "PasswordforDoc0001"} – Accepted. Passed.

    {"Doc0001", "PasswordforDoc0002"} – Not Accepted. Passed.

- FR3 : Adding Patient into the system

    {"Amit"} – Accepted. Passed.

    {"Patient001"} – Accepted. Passed.

    {<script>alert("Hello)</script> - Error. System Functionality Error. Failed.

    Fix/Improvement : Field will only accept Alphanumeric characters [1,100].

- Bulk add through upload.

.csv upload – Accepted. Passed.

Empty .csv upload  - Not accepted. Passed.

.jpg upload – Not accepted. Passed.

.pdf upload – Not accepted. Passed.

## Patient Record

| S.no | Patient Id | Patient Name | Date Added | CHF | Heart Failure |
|------|-----------|--------------|------------|-----|---------------|
| | PA0023 | \<Afaf\> | 11/04/2021 | - | - |
| | PA0022 | \<img src =x onMouseOver=alert("Hacked")\> | 11/04/2021 | - | - |
| | PA0021 | \<script\>alert("Hello")\</script\> | 11/04/2021 | - | - |
| | PA0020 | \<script\>alert("Hello")\</script\> | 11/04/2021 | - | - |

- FR4 : Use of on the fly models

CHF Classification

{29,0,-1,-1,"Select Anything"."Select Anything"} – Not Accepted. Passed.

{80,300,0.8,3.7,"1","1"} – Accepted. Passed.

{310,8005,7.1,10.1,"4","4"} – Not Accepted. Passed.

 HF Classification
{29,29,9,4,0,9,-1,29,-1} – Not Accepted. Passed.
{80,92,28.7,55,378.2,7.2,150,6,9} – Accepted. Passed.
{301,312,51,201,8005,11,301,11} – Not Accepted. Passed.

Heart Disease Classification
{-1,15,-1,25,-1,-1,"SelectAnything","SelectAnything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything"}  – Not Accepted. Passed.

{ 21,97,270,190,6.2,5.6,"Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything"} – Accepted. Passed.

{ 152,347,390,302,16.8,8,"Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything"}  – Not Accepted. Passed.

Complete Diagnostic

UI Issue in Form. Failed. Fixed.

{20, 1, 0, 29, 9, 4, 29, -1, 0, 29, 29, -1, -1,categorical scroll down} – Not Accepted. Passed.

{301, 8002, 8, 301, 51, 201, 299, 11, 131, 301, 301, 16, 7, categorical scroll down} – Not Passed. Passed.

{35,250,6,200,32,105,70,7,110,170,102,269,7,3,catorgorical first} – Accepted. Passed.

- FR 5 : Same testing as FR4

- FR 6 and FR7 : Diagnostics availability.

{35,250,6,200,32,105,70,7,110,170,102,269,7,3,catorgorical first}

{21,97,270,190,6.2,5.6,"Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything","Select Anything"}

{80,92,28.7,55,378.2,7.2,150,6,9}

Successfully processed. Passed.

- FR 8 : Notify the patient via Email

Email : Email Constraints

{email@domain.com ,"ThisisaMessage"} – Accepted. Passed.

{email@domain, "ThisisaMessage"} – Not Accepted. Passed.

{email@domain.com, EMPTY} – Accepted. Failed. Fixed. Alphanumeric with Limit [1,1000].

UI error upon closing the input dialog.

- FR 9 : Statistical Visualizations

{Scroll down selection, Scroll Down Selection} – Works in all possible combinations. Passed.

- FR 10 : Deleting Account

Passed.

- FR 11 and FR 12 : Passed with minimal standards.


Total tests : 35 | Passed : 31 | Failed : 4

Boundary Value Analysis is also included.