**COMSATS University Islamabad,   
 Park Road, Chak Shahzad, Islamabad Pakistan**

#### Department of Computer Science

**Assignment-05**

**CLO-4**

**Software Test Plan Document**

For

Stress Detector Chatbot

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## Introduction

This document tends to lay out a complete plan for the testing of parts of the system and of their compatibility with each other. The document has plans for testing system modules and functionality. The document covers each functionality of every module of the project in detail. It will also say the types of users of the system along with their actions / uses. After that, the document will supply the functional requirements as well as non-functional requirements.

It will give a detailed overview of the entire system and tells what the system will do and what it will not do. It will act the basic document helping in the production of the system. In this document the reader will find the executive summary, testing and evaluation of the project, the test cases, and their status. In short, a complete plan on which the testing takes place

## Document Purpose

The document intends to supply the details of the aspects of the program to be evaluated and a plan for the execution of the tests. It supplies the benchmark of the systems perceived working and its actual results. The purpose of this document is to describe and say the functionalities of the whole project to paint a picture of the proposed final product to the stakeholders.

It will include all the agreed upon requirements from the user and express them in detail for the development team. This document will further shape the software process of the product and will supply a plan to proceed helping in accomplishing the task

## Product Scope

The system is designed for the patient who have mental disease (depression), but they did not realize that weather it is a depression or something else. The aim here is to develop a system that enables the patient to detect his/her depression level and make an appointment to a doctor if needed. This system is used on the web and the smartphone application as well.

The following are brief discussion points for this system.

* + 1. For a patient or doctor who wants to check their depression level through software, the Depression detector chat bot system is web and smartphone application that helps the user to diagnose their depression state(mental health) and suggest a suitable treatment for the disease unlike you go to the doctor and give your family history about the disease and arrange several appointments ,our product will provide us the efficient result without wasting any time and reduce financial burden. It will also generate reports in the form of charts, graphs, and figures.
    2. The main and important feature of this software is to detect stress by texting with user and suggest physicians to users to make appointments.
    3. The main aim of this system is given below.

To allow user to check their depression state (mental health).

To allow user to receive a further suggestion from the system such as an appointment.

## Intended Audience

Describe the diverse types of reader that the document is intended for, such as developers, project managers, marketing staff, users, testers, and documentation writers (In your case it would be the “client” and the professor, project committee members.

**(Usually in one paragraph**.)

## Definitions, Acronyms and Abbreviations

The definitions of all terms, acronyms, and abbreviations needed to understand this document is given below.

**Table: 1 Acronyms/Abbreviations used in this document**

|  |  |
| --- | --- |
| **Acronym/Abbreviation** | **Meaning** |
| App | Application |
| GUI | Graphical User Interface |
| H | High (risk) |
| UML | Unified Modeling Language |
| L | Low (risk) |
| M | Medium (risk) |
| OTP | One Time Password |
| QA | Quality Assurance |
| SDS | Software Design Specification |
| SRS | Software Requirements Specification |
| STP | Software Test Plan |
| TC | Test Case |
| UC | Use Case |
| User | Client for whom the document and software are intended. |

## References and Acknowledgments

This document refers to the following documents.

**Table: 2 References used for this document**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Name** | **Heading** | **Version** | **Update date** |
| Assignment 01+Scope+SP20-BCS-041+SP21-BCS-003 | Project Proposal  (SCOPE DOCUMENT)  for Stress Detector Chatbot | V.1.0 | 29-Nov-2022 |
| Assignment 02+SRS+SP20-BCS-041+SP21-BCS-003 | Use cases and Functional requirements | V.1.0 | 1-Dec-2022 |
| Assignment 3+SDS+SP01-BCS-041+SP21-BCS-003 | Software Design Specification  For Stress Detector Chatbot | V.1.0 | 22-Dec-2022 |

## Executive Summary

The document is intended to help in the testing of the system and modules of the system. This keeps record of the tested parts of the system and their expectations and outcomes, finding errors and bugs. We perform unit testing, integrated testing, system testing and validation testing to find and fix bugs.

## Test Items

The following items are to be evaluated under the scope of this document.

* Requirements Specifications
* Functional requirements
* Non-functional requirements
* Design Specifications
* Use Cases

The requirement specifications and design specifications are obtained by the SRS and SDS documents. The use cases, functional and nonfunctional requirements are also extracted from the SRS document.

## Features To Be Tested

The following features will be evaluated.

**Table: 3 Description of features to be evaluated**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Features*** | ***Description*** | ***Risk*** | ***Reason*** |
| ***Sign Up/ Sign In*** | Allows users and physicians to make and log into their stress detector chatbot accounts. Allows admin to login to their portal. | H | Unauthorized users may make unfavorable changes |
| ***Forgot password*** | Allow user and physicians to access their account if forgot the password with key | H | Access data even password is forgotten |
| ***Edit info*** | Allow user to edit their profile if changes are needed | M | Edit the profile |
| ***Delete profile*** | Allow to drop the profile if the user do not want his account anymore | L | Delete the profile |
| ***Anonymous access*** | Allows the outsider to use this app and those who do not want to create account. | L | Access without having account |
| ***Reports generate*** | Allows the user to generate report of analyze progress in the different format. | M | Analyze progress using reports. |
| ***Healthy diet schedule*** | Allows the users to setup diet schedule for healthy routine. | L | Setup healthy diet schedule. |

## Features Not to Be Tested

All the features and modules of the system will be evaluated to ensure that the system works properly or not.

## Item Pass/Fail Criteria

On Unit level a

* **High priority unit** is considered to have passed the test phase if all the cases were completed with a defect level of less than 1%.
* **Medium priority unit** is considered to have passed the test phase if all the cases were completed with a defect level of less than 3%.
* **Low priority unit** is considered to have passed the test phase if all the cases were completed with a defect level of less than 5%.

## Item Pass/Fail Criteria

On an application level an application can, be considered to have passed the test phase if more than 99% of its high priority units, more than 95% of its medium priority units and more than 90% of its low priority units have passed the test and 99% of all the units can work together without causing major defects.

## Testing and Evaluation

The following are testing techniques/criteria which we will use for evaluating this software.

# Verification

Verification is about the cycle being followed. We will appropriately dissect and check the means we are following of the predefined interaction.

# Validation

Every one of the functionalities of the modules that are talked about in this module will be tried according to prerequisite to see that the system will work appropriately.

# Usability Testing

Usability testing is finished by evaluating the system on the users or showed crowd. This testing gives out the thought how the genuine crowd or client will use the system.

# Module / Unit Testing

Unit testing is low level testing at useful level. In unit testing, the practical requirements of the system are checked. A unit is the littlest testable part of the system, and this kind of testing aids with evaluating every module independently

# Integration Testing

Integration testing plans to evaluate various pieces of systems together, to ensure they can coincide together. It is the testing of use instances of every module. It evaluates the whole usefulness of the system.

# System Testing

System testing empowers the analyzers to guarantee that the system meets business prerequisite just as it moves along as planned. It is fundamentally the testing of modules of the system. A substantial portion of the equipment and software compatibility issues are revealed during this testing. It ensures that the system works appropriately as planned.

# Acceptance Testing

It confirms that the conveyed system meets client's requirements, and the system is fit to be used in genuine world. There are two kinds of client acknowledgment testing, alpha testing in which the organization evaluates the system. The later one is beta testing in which the system is evaluate in customer's current circumstance.

## Test Cases.

Write the test cases of your project as per module wise. A sample test cases with format is mentioned.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-2.1.1 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Sign-up | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | User Profiling | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | User’s Sign-up credentials. | **Priority:** | High |
| **Precondition:** | | User must have valid email address.  User must have a valid Account | |
| **Steps /Action**   1. Select Sign-up option. 2. Enter name. 3. Enter Account Number 4. Enter email. 5. Enter password. 6. Confirm Password. 7. Click on the “Sign-up” button. | | **System Response**   1. System will open the Sign-up page. 2. System will display the text field for user to enter the name, email, and password. 3. After verification, the system should register the user. | |
| **Expected Result** | | After providing the valid information user should be registered. | |
| **Actual Result** | | After providing the valid information user will be successfully registered. | |
| **Status** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-2.2.2 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Log in | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | User Profiling | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | User’s Log-in credentials. | **Priority:** | High |
| **Precondition:** | | User must have valid email address. | |
| **Steps /Action**   1. Select Log-in choice. 2. Enter username/ email. 3. Enter password. 4. Enter OTP 5. Click on the “Log-in” button. | | **System Response**   1. System will open the Log-in page. 2. System will display the text field for user to enter the name, email, and password. 3. System sends a One Time Password to verify user 4. After verification, the system should register the user. | |
| **Expected Result:** | | After providing the valid information user should be logged in. | |
| **Actual Result:** | | After providing the valid information user will be successfully logged in. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-2.3.3 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Forgot password | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | User Profiling | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Forgot password | **Priority:** | High |
| **Precondition:** | | User must enter in app/web. | |
| **Steps /Action**  1. Select forgot username choice.   1. User will select option to send code through email or number. 2. User will enter that specific code. 3. User receives OTP and enters 4. User will be shown a reset username option. 5. User will enter new username and then confirm it. 6. User will click on change username. | | **System Response**   1. System will open reset username the page. 2. System will display the options to enter email or number to reset username. 3. System sends a One Time Password to verify user 4. After verification, the system should reset the username of the user. | |
| **Expected Result:** | | After providing the valid information the username of the user should be reset. | |
| **Actual Result:** | | After providing the valid information user’s username will be successfully reset. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-2.4.4 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Delete Profile | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | User Profiling | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Delete user’s credentials. | **Priority:** | High |
| **Precondition:** | | User must have valid email address. | |
| **Steps /Action**  1. Select Log-in choice.   1. Enter username/ email/ phone number. 2. Enter valid PIN. 3. Enter password. 4. Enter OTP 5. Click on the “Delete Profile” button. | | **System Response**   1. System will open the Log-in page. 2. System will display the text field for user to enter the name, email, and password. 3. System sends a One Time Password to verify user 4. After verification, the system should register the user. 5. Then click cut profile and account should be cut | |
| **Expected Result:** | | After providing the valid information user should be deleted. | |
| **Actual Result:** | | After providing the valid information user will be successfully deleted. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-2.5.5 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Upload picture | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | User Profiling | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | User’s diagram data. | **Priority:** | High |
| **Precondition:** | | User should have a valid account | |
| **Steps /Action**   1. Select upload pic tab from menu of update profile. 2. Select upload file. 3. Dialogue box shows the pics and select one. | | **System Response**   1. System will open the “upload pic” page. 2. System will display the options to upload pic type. 3. After selecting pic, the system imports the file | |
| **Expected Result:** | | After selecting the valid format file from the system it should be imported. | |
| **Actual Result:** | | After selecting the valid format file from the system it will be imported. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-5.1.1 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Generate Charts/Graphs/Figures | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Self-Care Toolkit | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Generate Charts/Graphs/Figures in pdf format | **Priority:** | High |
| **Precondition:** | | User should have a valid account | |
| **Steps /Action**   1. Select analyze progress tab from menu of main menu. 2. Select generate the respective format. 3. Click on the generate reports. 4. Click on the respective directory where you want to save file. | | **System Response**   1. System will get the format. 2. System will generate the report of user’s demand. 3. System will display the report of user’s demand. 4. System will get the directory from user. 5. System will save the report. 6. System will show the success message. | |
| **Expected Result:** | | After selecting the valid format file from the system it should be generated and saved. | |
| **Actual Result:** | | After selecting the valid format file from the system it will be generated and saved. | |
| **Status:** | | Pass. | |

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| --- | --- | --- | --- |
| **Test Id:** | TC-5.2.2 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Generate Shortcomings Report | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Self-Care Toolkit | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Generate Charts/Graphs/Figures in pdf format | **Priority:** | High |
| **Precondition:** | | User should have a valid account. | |
| **Steps /Action**   1. Select generate shortcomings tab from menu of main menu. 2. Select generate the respective format. 3. Click on the generate reports. 4. Click on the respective directory where you want to save file. | | **System Response**   1. System will get the format. 2. System will generate the report of user’s demand. 3. System will display the report of user’s demand. 4. System will get the directory from user. 5. System will save the report. 6. System will show the success message. | |
| **Expected Result:** | | After selecting the valid format file from the system it should be generated and saved. | |
| **Actual Result:** | | After selecting the valid format file from the system it will be generated and saved. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-5.3.3 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Sleep Routine | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Self-Care Toolkit | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Select one of the sleep routines from given routines. | **Priority:** | High |
| **Precondition:** | | User should have a valid account. | |
| **Steps /Action**   1. Select sleep routine tab from menu of self-care toolkit. 2. Select the respective sleep routine from the given routines. 3. Select the notification settings to get notifications. | | **System Response**   1. System will display all the healthy routines to users. 2. System will get the selected routine and save it in the database. 3. System will ring notification by following the selected routine. | |
| **Expected Result:** | | After selecting the routine from the given routines system should ring the notification according to respective routine. | |
| **Actual Result:** | | System will be punctual and followed the respective routine. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-5.4.4 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Exercise Routine | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Self-Care Toolkit | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Select one of the exercise routines from given routines. | **Priority:** | High |
| **Precondition:** | | User should have a valid account. | |
| **Steps /Action**   1. Select exercise routine tab from menu of self-care toolkit. 2. Select the respective exercise routine from the given routines. 3. Select the notification settings to get notifications. | | **System Response**   1. System will display all the healthy routines to users. 2. System will get the selected routine and save it in the database. 3. System will ring notification by following the selected routine. | |
| **Expected Result:** | | After selecting the routine from the given routines system should ring the notification according to respective routine. | |
| **Actual Result:** | | System will be punctual and followed the respective routine. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-5.5.5 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Healthy Diet Schedule | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Self-Care Toolkit | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Select one of the  diet schedule from given schedules. | **Priority:** | High |
| **Precondition:** | | User should have a valid account. | |
| **Steps /Action**   1. Select diet schedule tab from menu of self-care toolkit. 2. Select the respective diet schedule from the given schedule. 3. Select the notification settings to get notifications. | | **System Response**   1. System will display all the healthy diet schedule to users. 2. System will get the selected schedule and save it in the database. 3. System will ring notification by following the selected schedule. | |
| **Expected Result:** | | After selecting the routine from the given routines system should ring the notification according to respective routine. | |
| **Actual Result:** | | System will be punctual and followed the respective routine. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-6.1.1 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Suggest Physician | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Select one of the  diet schedule from given schedules. | **Priority:** | High |
| **Precondition:** | | * User should had entered correct region. * Physician should have entered his region and already set his availability. | |
| **Steps /Action**   1. User will have entered his region and time zone correctly on the time of account creation. | | **System Response**   1. System will go and pick time zone and region details of both user and physician. 2. System will get selected physician. 3. System will display the suggested physician to the users on the home screen. | |
| **Expected Result:** | | Physician will be shown on the screen. | |
| **Actual Result:** | | Physician will be shown on the screen. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-6.2.2 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Schedule Meeting | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Schedule meeting with physician | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. | |
| **Steps /Action**   1. User will select the time of meeting. 2. User will select the mode of meeting. 3. User will select the physician and send request to physician. 4. Physician will accept the meeting. | | **System Response**   1. System will go and pick time zone and region details of both user and physician. 2. System will get selected physician. 3. System will take request from user and send it to specific physician. 4. System will be scheduled meeting successfully. | |
| **Expected Result:** | | System will be schedule meeting successfully. | |
| **Actual Result:** | | System will be scheduled meeting successfully. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-6.3.3 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Cancel Meeting | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Cancel meeting with physician | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * User have already scheduled meeting with respective physician. | |
| **Steps /Action**   1. User will select the meeting. 2. User will select the physician and send request to physician for cancel meeting. 3. Physician will accept the cancel meeting request. | | **System Response**   1. System will go and pick time zone and region details of both user and physician. 2. System will get selected physician. 3. System will take request from user and send it to specific physician. 4. System will be cancelled meeting successfully. 5. System will also cut balance from user account. 6. System will send payment to physician. | |
| **Expected Result:** | | Meeting will be cancelled successfully. | |
| **Actual Result:** | | Meeting will be cancelled successfully. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-6.4.4 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Update meeting details | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Update meeting details | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * User have already scheduled meeting with respective physician. | |
| **Steps /Action**   1. User will select the meeting. 2. User will select the physician and send request to physician for update meeting details. 3. User will also select the details to be updated. 4. Physician will accept the update meeting request if these are possible to his/her. | | **System Response**   1. System will go and pick time zone and region details of both user and physician. 2. System will get selected physician. 3. System will take request from user and send it to specific physician. 4. System will be updated meeting successfully. | |
| **Expected Result:** | | Meeting details will be updated successfully. | |
| **Actual Result:** | | Meeting details will be updated successfully. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-6.5.5 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Subscription package | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Subscription package | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * Physicians already set packages for users. | |
| **Steps /Action**   1. User will select the meeting. 2. User will select the required subscription package. 3. User will pay for the respective package. 4. Physicians will be notified for the subscription. | | **System Response**   1. System will subscribe the required package and store info about it in database. 2. System will perform payment action and added payment to the physician account. 3. System will also cut taxes on every subscription. | |
| **Expected Result:** | | Subscription will be updated successfully. | |
| **Actual Result:** | | Subscription will be updated successfully. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-7.1.1 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | See recent activities | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Activity | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | User will see recent activities | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * User will already have performed any type of stress detection activity. | |
| **Steps /Action**   1. User will select the see recent activities option from activity menu bar. 2. User will select the required activity to be seen for analysis. | | **System Response**   1. System will display all the recent activities by getting from database of that respective user. 2. System will open the selected activity to the screen of the user. | |
| **Expected Result:** | | User will be able to see their recent activities. | |
| **Actual Result:** | | User will be able to see their recent activities. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-7.2.2 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Compare activities | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Activity | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | User will be able to compare activities. | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * User will already have performed any type of stress detection activity. | |
| **Steps /Action**   1. User will select the compare recent activities option from activity menu bar. 2. User will select the required activity to be seen for analysis after comparing. | | **System Response**   1. System will display all the recent activities by getting from database of that respective user. 2. System will open the selected activities to the screen of the user. 3. System will compare both. 4. System will display comparison. | |
| **Expected Result:** | | User will be able to see their recent activities comparison. | |
| **Actual Result:** | | User will be able to see their recent activities comparison. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-7.3.3 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Generate Report | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Activity | **Test Case Execution Date:** | 12-12-2022 |
| **Test Data:** | No data | **Priority:** | High |
| **Precondition:** | | * User is logged in. | |
| **Steps /Action**  1. Click on generate Report  2. System display “Report” Screen  3. Select activities who report to be generated.  4. Enter start time.  5. Enter end time. | | **System Response**  1. System start working  2. System display “Generate Reports” screen successfully  3. System gets the time from and to for report generation.  4. System display “Report” screen successfully  5. System display success message. | |
| **Expected Result:** | | After execution, report should be displayed, and success message should be displayed. | |
| **Actual Result:** | | After execution, report is displayed, and success message is displayed. | |
| **Status:** | | Pass | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-7.4.4 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Manage appointment | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Appointment Management | **Test Case Execution Date:** | 22-12-2022 |
| **Test Data:** | Activity | **Priority:** | High |
| **Precondition:** | | * User should validly account and login. * User have already scheduled meeting with respective physician. | |
| **Steps /Action**   1. User will select the meeting. 2. User will select the physician and send request to physician for update meeting details. 3. User will also select the details to be updated. 4. Physician will accept the update meeting request if these are possible to his/her. | | **System Response**   1. System will go and pick time zone and region details of both user and physician. 2. System will get selected physician. 3. System will take request from user and send it to specific physician. 4. System will be updated meeting successfully. | |
| **Expected Result:** | | Meeting details will be updated successfully. | |
| **Actual Result:** | | Meeting details will be updated successfully. | |
| **Status:** | | Pass. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Id:** | TC-7.5.5 | **Test Case Designed by:** | Muhammad Ahmad Raza |
| **Test Case Title:** | Generate Prescription | **Test Case Executed by:** | Khan Sharjeel Khan |
| **Module Name:** | Activity | **Test Case Execution Date:** | 12-12-2022 |
| **Test Data:** | No data | **Priority:** | High |
| **Precondition:** | | Admin is logged in. | |
| **Steps /Action**  1. Click on generate prescription.  2. System display “Report” Screen.  3. Select meeting who report to be generated.  4.Select format in which report will be generated. | | **System Response**  1. System start working  2. System display “Generate Prescription” screen successfully  3. System gets the time from and to for report generation.  4. System display “Report” screen successfully  5. System display success message. | |
| **Expected Result:** | | After execution, report should be displayed, and success message should be displayed. | |
| **Actual Result:** | | After execution, report is displayed, and success message is displayed. | |
| **Status:** | | Pass | |

## Test Deliverables

Test deliverables of the document are:

* **Test plan**

It will include all the planning to conduct the test on different use cases and modules.

* **Test design specifications**

It will include the designs of the test and the method of conducting the tests.

* **Test case specifications**

It will include all the specifications and details about the test cases.

* **Test procedure specifications**

It will include a detailed procedural method for conducting different testing methods.

* **Test item transmittal reports**

It will include all the items that are to be evaluated and checked.

* **Test logs**

It will include the test, their inputs and data, and their outcomes received.

* **Test Incident Reports**

It will include all the bugs, abnormalities and defects found in the app.

* **Test Summary reports**

It will be the summary that will give a brief overview of whole procedure along with statistical data of the tests conducted

* 1. **Test Tasks**

**Table: Test task according to authors**

|  |  |  |  |
| --- | --- | --- | --- |
| ***S. No.*** | ***Deliverable Name*** | ***Author*** | ***Reviewer*** |
| ***1*** | Test Plan | Test Lead | Project Manager |
| ***2*** | Test Design specification | Test Team | Developer |
| ***3*** | Test Case Specifications | Test Team | Developer |
| ***4*** | Daily / Weekly Status Report | Test Team / Test Lead | Test Lead / Project Manager |
| ***5*** | Test Closure Report | Test Lead | Project Manager |
| ***6*** | Test Logs | Test Team | QA Manager |
| ***7*** | Test Summary Reports | Test Team | Project Manager |
| ***8*** | Test Incident Report | Test Team | Project Manager / QA Manager |
| ***9*** | Test Design Specifications | Test Team | QA Manager |

* 1. **Environmental Needs**

Environmental needs are as following:

* Reliable internet connection is required of at least 100 KB/s.
* Android phone running Android 7 or above and iOS devices running iOS 12 or above are needed for smartphone app.
* Modern Web Browser with Chromium web engine are needed for the web app.

|  |  |
| --- | --- |
| **Browser** | **Supported Versions** |
| Microsoft Edge for Windows ten | 88 |
| Google Chrome | 88 |
| Safari | 14 |
| Firefox | 84 |
| Internet Explorer | 11 |

* 1. **Responsibilities**

The testing of the system is done by both the team members working on the project.

## Team Members Individual Tasks/Work Division

Team Member Work Division the Stress Detector Chatbot

|  |  |  |
| --- | --- | --- |
| **Student Name** | **Student Registration Number** | **Responsibility/ Modules** |
| Khan Sharjeel Khan | SP20-BCS-041 | His mother is in hospital, so that’s why he is unable to work. |
| Muhammad Ahmed Raza | SP21-BCS-003 | STS (Complete Document)  Presentation (Complete) |

## Conclusion

This document confirms the testing of entire framework which guarantees the productivity of the System. The data in this document is legitimate and correct. Every one of the modules with their use cases and partial necessities are tried accurately so the data in this document is altogether confirmed and the stakeholders of the project will get the idea what the venture is and what it will do.

## References

These are the links that we used to get help about this proposed project.

**World Wide Web**

1. Medium “Testing Chat bot for stress management. Internet:

<https://code.likeagirl.io/i-tested-out-a-chatbot-for-stress-management-heres-the-scoop-58b007b0e2e8>, Feb 13, 2019.

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<https://chatbotslife.com/first-steps-in-chatbot-performace-testing-with-botium-box-efe6f12bcc50>, Jan 11, 2022.

1. Mudpie “Mental Health Chat bot. Internet:

<https://www.mdpi.com/1424-8220/22/10/3653/htm> , May 11, 2022.