AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH

SOFTWARE ENGINEERING (SPRING 2023-2024)

Group 2: Section: B

Project Proposal Title:

Tracking Mental Health Through Web and Mobile Check-Ins

Report No.: 6

Supervised by:

TONNY SHEKHA KAR

Submitted By:

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PROJECT TEST PLANNING

Mental Health Tracker App Test cases:

Project Name: Mental Health Tracker	**Test Designed by:** Adnan
Test Case ID: MHT-01	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Adnan
Module Name: Login Session	**Test Execution date:** 16 April, 2024
Test Title: To verify login with valid username and password	
Description: Test login button	
Precondition : The user must have a valid username and password	

Test steps	**Test Data**	**Expected Results**	**Actual Results**	**Status**
1. Go to application 2.Enter the username 3. Enter a password. 4. Click submit.	Username: User01 Password: 443	The user should log in to the application	As expected	Pass

Post Condition: The user is validated with the database and successfully logs in to the account. The account session details are logged in the database.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Adnan
Test Case ID: MHT-02	**Test Designed date:** 15 April, 2024
Test Priority: High	**Test Executed by:** Adnan
Module Name: Sign up Session	**Test Execution date:** 16 April, 2024
Test Title: To create user account with user's information	
Description: Test the sign-up button	
Precondition : The user must fill-up all the information	

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to sign up page 2.Enter all the information 3. Enter a strong password. 4. Tick the reCaptha 5.Click Sign up	Name: Samad Age:18 Gender: Male Address: Dhaka Email: samad12@yahoo.com Mobile:017****** Password: 443#	The user should be able to create their account.	As it was expected	Pass

Post Condition: All the user's information will be stored in the database for further use.

Test Fee: 0 taka
Rating: 4.5

Project Name: Mental Health Tracker	**Test Designed by:** Adnan
Test Case ID: MHT-03	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Adnan
Module Name: Mood Monitoring	**Test Execution date:** 16 April, 2024

Test Title: To Check whether the Mood Monitoring Button is working or not

Description: Test Mood Monitoring Button

Precondition : The user must have to login in their portal.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to application 2. Login via user id and password 3. Click on Mood Monitoring button	N/A	The user should be able to see the Mood Monitoring page	As expected	Pass

Post Condition: The user is validated with the database and successfully logs in to the account. The account session details are logged in the database.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Adnan
Test Case ID: MHT-04	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Adnan
Module Name: Daily Exercise	**Test Execution date:** 16 April, 2024

Test Title: To Check whether the Daily Exercise Button is working or not

Description: Test Daily Exerise Button

Precondition : The user must have to login in their portal.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to application 2. Login via user id and password 3. Click on Daily Exercise Button	N/A	The user should be able to see the Daily Exercise page.	As expected	Pass

Post Condition: The user is validated with the database and successfully logs in to the account. The account session details are logged in the database.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Adnan
Test Case ID: MHT-05	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Adnan
Module Name: Professional Assistance	**Test Execution date:** 16 April, 2024

Test Title: To Check whether the Professional Assistance Button is working or not

Description: Test Professional Assistance Button

Precondition : The user must have to login in their portal.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to application 2. Login via user id and password 3. Click on Need Professional Assistance button	N/A	The user should be able to see the Professional Assistance page	As expected	Pass

Post Condition: The user is validated with the database and successfully logs in to the account. The account session details are logged in the database.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker			Test Designed by: Adnan	
Test Case ID: MHT-06			Test Designed date: 15 April, 2024	
Test Priority: Medium			Test Executed by: Adnan	
Module Name: Self-Structured Questionnaire			Test Execution date: 16 April, 2024	
Test Title: To Check whether the Self-Structured Questionnaire is working or not				
Description: Test Self-Structured Questionnaire Button				
Precondition : The user must have to login in their portal.				
Test steps	**Test Data**	**Expected Results**	**Actual Results**	**Status**
1. Go to application 2. Login via user id and password 3. Click on Self-Structured Questionnaire Button	N/A	The user should be able to see the Daily Exercise page.	As expected	Pass
Post Condition: The user is validated with the database and successfully logs in to the account. The account session details are logged in the database.				
Test Fee: 0 taka Rating: 5				

Project Name: Mental Health Tracker			Test Designed by: Jinia	
Test Case ID: MHT-07			Test Designed date: 15 April, 2024	
Test Priority: Medium			Test Executed by: Jinia	
Module Name: Patient Profile Dashboard			Test Execution date: 16 April, 2024	
Test Title: To verify full patient profile details visibility on dashboard				
Description: Test patient profile dashboard functionality				
Precondition : The user is logged in and active within the application.				

Test steps	Test Data	Expected Results	Actual Results	Status
1. Log in with authorized credentials.	Username: User01 Password: 443	Access granted to the application.	As expected	Pass
2. Navigate to the Patient Dashboard.	Click on 'Dashboard' button	Dashboard displays correctly	As expected	Pass
3. Confirm visibility of all profile sections	Select Patient ID: 001 Select Patient ID: 012 Select Patient ID: 111	All patient details are visible	As expected	Pass
4. Log out	Click the logout button	User is logged out	As expected	Pass

Post Condition: All patient profile details are confirmed visible for an authorized user.
Test Fee: 0 taka Rating: 4.5

Project Name: Mental Health Tracker		Test Designed by: Jinia
Test Case ID: MHT-08		Test Designed date: 15 April, 2024
Test Priority: Medium		Test Executed by: Jinia
Module Name: Logout session		Test Execution date: 16 April, 2024
Test Title: Ensure the logout functionality properly terminates the user session		
Description: Test the logout button		
Precondition : The tester must be logged in as an authorized user with permission to view patient profiles.		

Test steps	Test Data	Expected Results	Actual Results	Status
1. Navigate to the logout option in the application. 2. Navigate to the logout option in the application. 3. Confirm logout.	Click on the 'Logout' button in the Patient Profile page. Click 'OK' on the logout confirmation dialog.	Logout option is displayed. System prompts for logout confirmation. The application logs the user out.	As expected As expected As expected	Pass Pass Pass

Post condition: User session is successfully terminated, and the user is logged out.

Test fee: 0 taka

Rating: 5 star

Project Name: Mental Health Tracker	Test Designed by: Jinia
Test Case ID: MHT-09	Test Designed date: 15 April, 2024
Test Priority: Medium	Test Executed by: Jinia
Module Name: Well-being status	Test Execution date: 16 April, 2024

Test Title: To submit well-being status information

Description: Test the submission of well-being status information

Precondition : The user must navigate to the Patient Profile page.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to the Patient Profile page.	Click on 'My well-being status is'	Well-being status page is displayed.	As expected	Pass
2. Select well-being information:	• Select mood: Happy • Enter stress level: Low	Well-being information is entered successfully.	As expected	Pass
3. Submit well-being status.	N/A	Submitted successfully	As expected	Pass

Post Condition: User's well-being status is updated and displayed on the dashboard, and the new information is stored in the database.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker				Test Designed by: Jinia	
Test Case ID: MHT-10				Test Designed date: 15 April, 2024	
Test Priority: Medium				Test Executed by: Jinia	
Module Name: Get Help feature				Test Execution date: 16 April, 2024	
Test Title: To verify access to user guidance on how to use the App					
Description: Test the "Get Help" button for user guidance					
Precondition : The user must be logged in to the App first					
Test steps	Test Data	Expected Results	Actual Results		Status
1 Click the "Get Help" button	N/A	Help content or assistance guide is displayed.	As expected		Pass
2. Review the displayed help content.	Read through the provided instructions.	Help content is incomplete and unclear	Not as expected		Fail
3. Test specific help instructions	Instruction: "Schedule an appointment with a counsellor"	Incomplete guidance leads to failed appointment scheduling	Not as expected		Fail
Post Condition: Mood logging task remains incomplete due to incomplete instructions.					
Test Fee: 0 taka Rating: 3					

Project Name: Mental Health Tracker	Test Designed by: Safkat Khan
Test Case ID: MHT-11	Test Designed date: 15 April, 2024
Test Priority: Medium	Test Executed by: Safkat Khan
Module Name: Patient profile session	Test Execution date: 16 April, 2024
Test Title: To visit patient profile	
Description: Test profile visit button	
Precondition : The user must have an account	

Test steps	Test Data	Expected Results	Actual Results	Status
1. Go to Daily Exercise page 2. Click Profile button.	Name: David Age:20 Gender: Male Address: Dhaka Email: david123@yahoo.com Mobile:017****** Password: dav12	The user should have access to their provided information.	As expected	Pass

Post Condition: After the user interface loads, you will see a profile button that leads you to your personal profile page. This page allows you to view and update your personal information, preferences, and account settings. The profile button is always available and responsive during session, giving an easy access to manage the profile.

Test Fee: 0 taka
Rating: 4.5

Project Name: Mental Health Tracker	**Test Designed by :** Safkat Khan
Test Case ID: MHT-12	**Test Designed date:** 15 April, 2024
Test Priority: High	**Test Executed by:** Safkat Khan
Module Name: Daily Exercise Session	**Test Execution date:** 16 April, 2024

Test Title: To analyze patient daily exercise

Description: Test the continue button

Precondition : The user must have an account

Test steps	Test Data	Expected Results	Actual Results	Status
1.Go to Daily Exercise page 2.Click Continue button	Prioritize mental health for overall well-being. Practice self-care through relaxation techniques. Seek support from loved ones or professionals. Engage in activities that promote positive emotions. Remember, it's okay to ask for help	The user should be able to complete their task.	As expected	Pass

Post Condition: After receiving help for their mental health, the person is better able to control their emotions and handle stressful situations, resulting in fewer distressing symptoms. They also show more strength and self-awareness, which helps them feel happier and enjoy life more.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker			Test Designed by : Safkat Khan	
Test Case ID: MHT-13			Test Designed date: 15 April, 2024	
Test Priority: High			Test Executed by: Safkat Khan	
Module Name: Weekly check-in reminder.			Test Execution date: 16 April, 2024	
Test Title: To analyze weekly exercise and set reminder.				
Description: Record the weekly exercise and test the reminder.				
Precondition : The user must complete basic exercise.				
Test steps	Test Data	Expected Results	Actual Results	Status
1.Go to Weekly Check-in Reminders page 2.Click on the reminder set date button	Users are able to log or input workouts, receive tailored fitness advice, set weekly reminders, and gain therapist-recommended activity guidance for a healthier lifestyle.	The user should be able to set consulting hours with the therapist .	As expected	Pass
Post Condition: Following the consulting hours with the therapist, the individual gains insight into their mental health concerns and receives personalized guidance. They may have identified triggers and developed coping strategies to manage their symptoms. The session promotes ongoing mental well-being and resilience.				
Test Fee: 0 taka Rating: 5				

Project Name: Mental Health Tracker	Test Designed by: Lamyea
Test Case ID: MHT-14	Test Designed date: 15 April, 2024
Test Priority: High	Test Executed by: Lamyea
Module Name: Visit Patient Profile	Test Execution date: 16 April, 2024
Test Title: To verify the appropriate patient	
Description: "Visit Patient Profile" button functions as expected and leads the user to the appropriate patient's profile page.	
Precondition: The user must be logged into the mental health app. There should be at least one patient in the app's database with a valid profile. The user must have the necessary permissions to view patient profiles.	

Test steps	Test Data	Expected Results	Actual Results	Status
1. Open the mental health app. 2. Navigate to the main dashboard or list of patients where the "Visit Patient Profile" button is available. 3. Identify and click on the "Visit Patient Profile" button for a specific patient. 4. Observe the app's response after clicking the button	Patient Profiles. Patient ID Personal Information. Medical History Contact Information	1. After clicking the "Visit Patient Profile" button, the app should redirect the user to the corresponding patient's profile page. 2. The patient's profile page should display the patient's personal information, medical history, and other relevant data. 3. There should be no unexpected errors or loading issues when navigating to the profile page.	As expected	pass

Post Condition: The app should be stable, and the user should be on the patient's profile page without any unexpected navigational issues.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Lamyea
Test Case ID: MHT-15	**Test Designed date:** 15 April, 2024
Test Priority: High	**Test Executed by:** Lamyea
Module Name: Confirm Appointment	**Test Execution date:** 16 April, 2024

Test Title: To confirm patient appointment

Description: To verify that a user can confirm an appointment in the mental health app and receive a confirmation message

Precondition: The user must have an account in the mental health app. The user must have logged into their account. The user has scheduled an appointment with a mental health professional.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Navigate to Appointments: The user should log in and navigate to the appointments section of the app.	User account credentials (username, password)	1. The app should successfully load the list of scheduled appointments.	As expected	Pass

2. Select Appointment: The user selects an appointment from the list of scheduled appointments that they want to confirm.	Appointment details (e.g., date, time, therapist name)	2. The user should be able to select an appointment from the list.		
3. Confirm Appointment: The user confirms the appointment by clicking a confirmation button or link.		3. Upon confirming the appointment, the user should receive a success message indicating the appointment has been confirmed.		
4. Verify Confirmation: Check that the user receives a confirmation message indicating that the appointment has been confirmed successfully.		4. The appointment status should be updated to "confirmed" in the app.		
5. Check Appointment Status: Verify that the appointment status is updated to confirmed in the app.				

Post Condition: The user should have successfully confirmed the appointment and see the updated status in their appointments list

Test Fee: 0 taka
Rating: 4.5

Project Name: Mental Health Tracker	**Test Designed by:** Lamyea
Test Case ID: MHT-16	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Lamyea
Module Name: View Questionnaire Responses	**Test Execution date:** 16 April, 2024
Test Title: To see the question answers	
Description: The purpose of this test case is to verify that users with the correct permissions can view the responses to a specific questionnaire in the mental health app.	
Precondition: The user must be logged into the mental health app. The user must have the necessary permissions to access the test case data. The specific test case (ID: MHT-16) and associated questionnaire responses exist in the app.	

Test steps	Test Data	Expected Results	Actual Results	Status
1. Navigate to Test Case Section: From the app's main menu, navigate to the section where test cases or patient records are displayed. 2. Search for Test Case ID: In the search bar, enter the test case ID (MHT-16) and perform the search. 3. Select Test Case: Locate the test case in the search results and select it to view its details. 4. View Questionnaire Responses: In the test case details, find the section for questionnaire responses, and select it to view the responses.	Test Case ID: MHT-16 - User Credentials: [Specify user credentials with appropriate permissions] - Expected Questionnaire Responses: [Provide expected data, if necessary for comparison]	1. The app navigates to the test case section without any errors. 2. The search returns results including the specified test case ID (MHT-16). 3. The test case details for MHT-16 are displayed correctly. 4. The questionnaire responses associated with test case ID MHT-16 are displayed correctly and without errors.	As expected	pass

Post Condition: The app should return to the previous state before the test case began

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Lamyea
Test Case ID: MHT-17	**Test Designed date:** 15 April, 2024
Test Priority: High	**Test Executed by:** Lamyea
Module Name: Counsellor Qualifications	**Test Execution date:** 16 April, 2024

Test Title: To search perfect counsellor.

Description: To verify that the mental health app accurately displays the qualifications and credentials of counselors to ensure user trust and confidence in the counseling service.

Precondition: The mental health app is installed and functional. The user is logged in to their account. The user navigates to the section displaying counselor profiles.

Test steps	Test Data	Expected Results	Actual Results	Status
1. Login: Log in to the app using a valid user account. 2. Navigate to Counsellor List: From the main menu, navigate to the list of available counsellors. 3. Select a Counsellor: Select a specific counsellor from the list. 4. View Counsellor Profile:Once the counsellor's profile is displayed, check the section for qualifications and credentials. 5. Verify Information: Verify that the displayed qualifications and credentials match the data available in the app's database for the selected counsellor.	Counsellor ID: C12345 Name: Dr. Sarah Johnson Profile Picture: https://example.com/profiles/counsellor1.jpg. Bio: Experienced clinical psychologist with over 10 years of experience. Degree: Ph.D. in Clinical Psychology Certification: Licensed Professional Counselor Years of Experience: 10 Specializations: Depression, anxiety, trauma Professional Affiliations: American Psychological Association	1.The app should display the selected counsellor's qualifications and credentials accurately. 2.The displayed information should match the data available in the app's database.	As expected, result.	pass

Post Condition: The user remains logged in and can navigate to other sections of the app.

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Jannatun Fardous
Test Case ID: MHT-18	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Jannatun Fardous
Module Name: Mood Monitor Session	**Test Execution date:** 16 April, 2024
Test Title: To mood monitoring feedback	
Description: Test feedback input	
Precondition: The user must login with valid login credentials	

Test steps	Test Data	Expected Results	Actual Results	Status
1. Select Mood options according to users' current mood 2. Enter users' thought	Happy, enjoying; Today, I woke up feeling refreshed and excited about the day ahead. As I reflect on my progress with this mental health tracker app, I can't help but feel grateful.	The user should be able to select the emotions and write about their thought	As expected,	Pass

Post Condition: The user is able to understand user's mood selection choice and select according to their recent experience and also the user is able to write their thoughts in the comment section

Test Fee: 0 taka
Rating: 5

Project Name: Mental Health Tracker	**Test Designed by:** Jannatun Fardous
Test Case ID: MHT-19	**Test Designed date:** 15 April, 2024
Test Priority: Medium	**Test Executed by:** Jannatun Fardous
Module Name: Report Generation Session	**Test Execution date:** 16 April, 2024

Test Title: To verify report generation

Description: Test report generation

Precondition: The user must undergo Mood Monitoring Survey Session

Test steps	Test Data	Expected Results	Actual Results	Status
1.Enter user's General information 2. Enter User's Current Exercise Habits	**Age:** 32 **Gender:** Male **Occupation**: Accountant **Any Health Conditions**: No Planned Exercise days: 2 days Average Time per Exercise: 60min; 20min; 30min Participate in structured Exercise: No Biggest Challenges faced: Lack of motivation, lack of time Fitness goals: Become athletic	User is able to fill up the questionnaire survey	As expected	Pass

Post Condition: The user is able to understand the questions and fill up the questionnaire survey properly

Test Fee: 0 taka
Rating: 4.5

Project Name: Mental Health Tracker			Test Designed by: Jannatun Fardous	
Test Case ID: MHT-20			Test Designed date: 15 April, 2024	
Test Priority: High			Test Executed by: Jannatun Fardous	
Module Name: Report generation Session			Test Execution date: 16 April, 2024	
Test Title: To verify report generation				
Description: Test Download button				
Precondition: The user fills up the Report generation questionnaire survey				
Test steps	Test Data	Expected Results	Actual Results	Status
1. Receive Report Feedback 2. Click on the download button	Click on the download button	The user should be able to download their mental health report	As expected,	Pass
Post Condition: The user is able to able to download their mental health report and review it				
Test Fee: 0 taka Rating: 5				