American International University-Bangladesh (AIUB)
Department of Computer Science
Faculty of Science & Technology (FST)

Fish Disease Detector

A Software Engineering Project Submitted

Semester: Spring_23_24		**Section: J**	**Group Number:**	
SN	Student Name	Student ID	Contribution (CO3+CO4)	Individual Marks
1	Kamruzzaman Sony	22-46791-1		
2	Md. Shakil Hossain	22-46885-1		
3	A. M. Rafinul Huq	21-45668-3		
4	Debashish Das	19-40693-1		

CO3: *Select* appropriate software engineering models, project management roles and their associated skills for the complex software engineering project and evaluate the sustainability of developed software, taking into consideration the societal and environmental aspects	Total Marks	
Appropriate Process Model Selection and Argumentation with Evidence	[5 Marks]	
Evidence of Argumentation regarding process model selection	[5Marks]	
Analysis the impact of societal, health, safety, legal and cultural issues	[5Marks]	
Submission, Defense, Completeness, Spelling, grammar and Organization of the Project report	[5Marks]	
CO4: *Develop* project management plan to manage software engineering projects following the principles of engineering management and economic decision process	Total Marks	
Develop the project plan, its components of the proposed software products	[5Marks]	
Identify all the activities/tasks related to project management and categorize them within the WBS structure. Perform detailed effort estimation correspond with the WBS and schedule the activities with resources	[5Marks]	
Identify all the potential risks in your project and prioritize them to overcome these risk factors.	[5Marks]	

Description of Student's Contribution in the Project work

Student Name: Kamruzzaman Sony
Student ID: 22-46797-1
Contribution in Percentage (25 %):
Contribution in the Project:

- Contribution Description 1

Criteria	Marks distribution (Max 3X5= 15)				Acquired Marks
	Inadequate (1-2)	Satisfactory (3)	Good (4)	Excellent (5)	
▪ Contribution Description 2 _____ Signature of the Student					
Student Name: Md. Shakil Hossain Student ID: 22-46885-1 Contribution in Percentage (25 %): <u>Contribution in the Project:</u> ▪ Contribution Description 1 ▪ Contribution Description 2 _____ Signature of the Student					
Student Name: A. M. Rafinul Huq Student ID: 21-45668-3 Contribution in Percentage (25 %): <u>Contribution in the Project:</u> ▪ Contribution Description 1 ▪ Contribution Description 2 _____ Signature of the Student					
Student Name: Debashish Das Student ID: 19-40693-1 Contribution in Percentage (25 %): <u>Contribution in the Project:</u> ▪ Contribution Description 1 ▪ Contribution Description 2 _____ Signature of the Student					

Rubric for Project Assessment (CO3)

Selection of Software Engineering Models	Does not articulate a position or argument of choosing appropriate model. Does not present any evidence to support the arguments for the choice of the model	Articulates a position or argument for choosing models that is unfocused or ambiguous. Presents incomplete/vague evidence to support argument for model choice	Articulates a position or argument of choosing models that is limited in scope. Does not present enough evidence to support the argument for the choice of the model	Clearly articulates a position or argument for the choosing software engineering models. Presents sufficient amount of evidence to support argument for the model selection	
Role identification and Responsibility Allocation	The project has poor project management plans for identifying roles and assigning the responsibilities	Identify few roles in the project management where some of the roles are left alone with any project responsibilities	Identify most of the roles in the project management and assign their responsibilities	Well planned project with proper role identification and responsibility allocation in the project management activities	
Impact identification					
Formatting and Submission	Project report is not complete and Several errors in spelling and grammar. Present a Confusing organization of concepts, supporting arguments, and real-life example. Sentences rambling, and details are repeated.	Some errors in spelling and grammar. Some problems of organizing the answer in a logical order of defining, elaborating, and providing real-life examples.	Few errors in spelling and grammar. Presents most of the details in a logical flow of organization in definition, details, and example.	Project report is complete and No errors in spelling and grammar. Consistently presents a logical and effective organization of definition, details, and real-life example of the topic.	
				Acquired marks:	
				CO Pass / Fail:	

Rubric for Project Assessment (CO4)

Marking Criteria	Marks Distribution (Maximum 3X5=15)				Acquired Marks
	Inadequate (1-2)	Satisfactory (3)	Good (4)	Excellent (5)	
Project Planning	No background information regarding the project is given; project goals and benefits are missing.	Insufficient background information is given; project goals and benefits are poorly stated	Sufficient background information is given; the purpose and goals of the project are explained.	Thorough and relevant background information is given; project goals are clear and easy to identify.	
Effort Estimation and Scheduling	Student vaguely discuss the impact of societal, health, safety, legal and cultural issues in their project	Student provided with partial relevance to the impact of societal, health, safety, legal and cultural issues in their project	Student fairly provided the analysis to the impact of societal, health, safety, legal and cultural issues in their project	Student comprehensively provided the analysis to the impact of societal, health, safety, legal and cultural issues in their project	
Risk Management	Ambiguous representative example.	Partially identify / indicate towards real-life example.	Real-life example is fairly connected towards the definition.	Comprehensively defend with real life example.	
				Acquired Marks:	
				CO Pass / Fail:	

Test Cases

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_1-1	Test Designed date: 28/03/2024
Test Priority (Low, Medium, High): High	Test Executed by: Kamruzzaman Sony
Module Name: Login Session	Test Execution date: 29/03/2024
Test Title: Verify login with valid username and password	
Description: Test application login functionality	
Precondition (If any): User must have valid username and password	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the Login Page 2. Enter valid username and password 3. Click Login button	Username: Sony340 Password: 6543321	User should be logged into application dashboard.	As expected	Pass

Post Condition: User session is authenticated and redirected to the dashboard.User details and login timestamp are logged in the database.

Project Name: Fish Disease Detection System			Test Designed by: Kamruzzaman Sony	
Test Case ID: FR_2-1			Test Designed date: 27/03/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Kamruzzaman Sony	
Module Name: Registration Session			Test Execution date: 29/03/2024	
Test Title: Verify provided information and save to database				
Description: Test application Registration page				
Precondition (If any): User must have valid email				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Open Application 2. Click on Register 3. Enter Email, Password,Mobile and Username. 4. Click Subscribe 5. Select Package 6. Click Confirm	Email: john123@gmail.cco Password: 123465 Mobile: 01645424534 Username: john3604 Package: BDT150/Week Card number: 4565 1445 8525 63211 Bank: Brac CVC: 321 mm/yy: 08/255	The payment should successfully be paid and user should be registered	As expected	Pass
Post Condition: The user's registration information is validated and stored in the database, allowing the user to log into the Application with their newly created account.				

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_3	Test Designed date: 27/03/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Kamruzzaman Sony
Module Name: Logout Session	Test Execution date: 29/03/2024
Test Title: verify user can successfully logout	
Description:Test application logout functionality	
Precondition (If any): User must be logged in	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click on logout button. 2. Verify if user is redirected to the home page.	N/A	User should be redirected to the home page after logging out.	As expected	Pass

Post Condition: User is redirected to the homepage or login page. Any unsaved data or changes made by the userduring the session are saved if applicable. The user's account details are logged out from the database.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_4	Test Designed date: 2/04/2024
Module Name: Forgot Password	Test Executed by: Kamruzzaman Sony
Test Title: Password recovery	Execution date: 2/04/2024
Description: Test forgot the page	
Precondition (If any): User must have a registration account	

Test Steps	Test Data	Expected Results	Actual Resuls	Status (Pass/Fail)
1. Go to Software 2. Go to the Forgot page 3. Enter number 4. Send OTP 5. Enter new password 6. Enter retype password 7. Click login button	User Location	After completing the steps for resetting the password,the user should successfully regain access to their account with the newly set password.	As expected	Pass

Post Condition: The user's password is successfully updated in the system,allowing them to log in to the application using the new password.Additionally,the user should receive a confirmation message or notification indicating that the password reset process was successful.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_5	Test Designed date: 3/04/2024
Test Priority (Low, Medium, High): Low	Test Executed by: Kamruzzaman Sony
Module Name: Profile Management	Execution date: 4/04/2024
Test Title: Edit Profile Information	
Description: This test case verifies the functionality of editing user profile information in the application	
Precondition (If any): 1 . User must be logged in to the AquaMed application. 2. User must have access to the Profile Page.	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the Profile Page. 2.Click on the "Edit" or "Edit Profile" button. 3.Update any of the following user information fields: -Name -Email address -Phone number -Occupation 4.Save the changes by clicking on the "Save" or "Update" button. 5.Verify that a confirmation message is displayed indicating that the changes have been saved successfully. 6.Navigate back to the Profile Page. 7.Verify that the updated information is displayed correctly.	Existing user information (to be displayed initially) Name: sony Email address: sony1@gmail.com Phone number: +123434 Occupation: student Updated user information (to be entered during editing) Name:sony Email address: sony11@gmail,com Phone number: +122222 Occupation: doctor	1.The Profile Page is displayed correctly, showing the user's current information. 2.The Profile Edit Page is displayed with editable fields for user information. 3.The user successfully updates their profile information. 4.A confirmation message is displayed indicating that the changes have been saved. 5.Upon returning to the Profile Page, the updated information is correctly displayed.	As expected	Pass

Post Condition:The user's profile information is successfully updated in the AquaMed application database.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_6	Test Designed date: 4/04/2024
Test Priority (Low, Medium, High): Low	Test Executed by: Kamruzzaman Sony
Module Name: News Portal	Execution date: 4/04/2024

Test Title: Verify news content display

Description: Test the functionality of the News Portal Page to ensure timely and relevant news content is displayed.

Precondition (If any): . User must be logged in to the AquaMed application.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the News Portal Page within the AquaMed application. 2.Check if the page loads successfully. 3.Verify that news articles related to fish diseases are displayed.	N/A	1.The News Portal Page loads without errors. 2.Relevant news articles about fish diseases are displayed.	As expected	Pass

Post Condition:The News Portal Page loads without errors.

Relevant news articles about fish diseases are displayed.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_7	Test Designed date: 5/04/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Kamruzzaman Sony
Module Name: AI Chatbot	Execution date: 5/04/2024

Test Title: AI Chatbot functionality

Description: This test case validates the functionality of the AI Chatbot feature in the AquaMed application. The Chatbot provides personalized support and guidance related to aquaculture and fish health management.

Precondition (If any): 1 , User logged into AquaMed application.

2. Access to AI Chatbot feature available.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Access AI Chatbot. 2.Initiate conversation with a greeting or query. 3.Interact with Chatbot by asking questions. 4.Verify prompt and accurate responses. 5.Test various Chatbot functionalities. 6.Assess Chatbot's understanding of natural language. 7.Check Chatbot's ability to handle multiple queries. 8.Ensure Chatbot maintains context in conversation. 9.Confirm Chatbot offers further assistance if needed. 10.Test Chatbot's ability to escalate queries to human support.	Various queries related to aquaculture and fish health management.	1. Chatbot provides prompt, accurate, and helpful responses. 2.Offers further assistance or escalation options if necessary.	As expected	Pass

Post Condition:Users receive tailored support and guidance from the AI Chatbot within the AquaMed application.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_8	Test Designed date: 7/04/2024
Test Priority (Low, Medium, High): High	Test Executed by: Kamruzzaman Sony
Module Name: Upload picture	Execution date: 7/04/2024

Test Title: Image Upload in Diagnosis Tool Page

Description: This test case verifies the functionality of uploading images of affected fish specimens in the Diagnosis Tool Page of the AquaMed application. The Diagnosis Tool Page allows users to upload images for analysis and diagnosis of fish diseases.

Precondition (If any): 1 . User must be logged in to the AquaMed application.

2. Access to the Diagnosis Tool Page available.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the Diagnosis Tool Page within the AquaMed application. 2.Locate the image upload feature. 3.Click or tap on the image upload button. 4.Choose a fish specimen image from the local device or camera. 5.Initiate the upload process by selecting the image. 6.Verify that the uploaded image is displayed on the Diagnosis Tool Page. 7.Confirm that the image is successfully uploaded and ready for analysis.	Fish specimen image(s) for upload.	1.The Diagnosis Tool Page is accessible within the AquaMed application. 2.The image upload feature is prominently displayed and functional. 3.Users can select and upload fish specimen images from their local device or camera. The selected image is successfully uploaded to the 4.Diagnosis Tool Page. 5.The uploaded image is displayed for analysis and diagnosis.	As expected	Pass

Post Condition: Users can proceed with the analysis and diagnosis of fish diseases based on the uploaded images within the Diagnosis Tool Page.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_9	Test Designed date: 7/04/2024
Test Priority (Low, Medium, High): High	Test Executed by: Kamruzzaman Sony
Module Name: Diagnosis and analysis	Execution date: 7/04/2024

Test Title: Diagnosis and Analysis of Fish Diseases

Description:This test case validates the functionality of diagnosing and analyzing fish diseases using the Diagnosis Tool Page within the AquaMed application. The Diagnosis Tool Page enables users to upload images of affected fish specimens for comprehensive disease analysis.

Preconditions: 1.User must be logged in to the AquaMed application.
2.Access to the Diagnosis Tool Page available.
3.Fish specimen image(s) uploaded for analysis.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the Diagnosis Tool Page within the AquaMed application. 2.Upload a fish specimen image for analysis. 3.Initiate the analysis process by selecting the uploaded image. 4.Verify that the analysis is performed promptly and accurately. 5.Review the diagnosis results displayed on the Diagnosis Result Page. 6.Ensure that the diagnosis results provide detailed information about detected fish diseases. 7.Evaluate the accuracy of the diagnosis results based on known fish health conditions. 8.Navigate to the Diagnosis Result Next Page, if applicable, to explore additional disease analysis. 9.Confirm that the Diagnosis Result Next Page extends the analysis with comprehensive insights into fish health.	Fish specimen image(s) for analysis.	1.Diagnosis Tool Page accessible. 2.Successful image upload. 3.Prompt and accurate analysis. 4.Detailed diagnosis results displayed. 5.Diagnosis accuracy confirmed. 5.Additional analysis available if needed.	As expected	Pass

Post Condition: Users receive comprehensive analysis and diagnosis of fish diseases based on uploaded images within the AquaMed application's Diagnosis Tool Page.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_10	Test Designed date: 7/04/2024
Test Priority (Low, Medium, High): High	Test Executed by: Kamruzzaman Sony
Module Name: Diagnosis result page	Execution date: 7/04/2024

Test Title: Diagnosis result display

Description:This test case validates the functionality of displaying diagnosis results for fish diseases on the Diagnosis Result Page within the AquaMed application. The Diagnosis Result Page provides detailed information and analysis based on uploaded fish specimen images.

Preconditions: 1.User logged into AquaMed.
2.Access to Diagnosis Result Page.
3.Diagnosis analysis performed with uploaded fish specimen image(s).

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the Diagnosis Result Page within AquaMed. 2.Verify that diagnosis results are displayed prominently. 3.Review the list of detected fish diseases and associated details. 4.Confirm that each detected disease is accompanied by relevant information such as symptoms, causes, and recommended treatments. 5.Click on individual disease entries to view more detailed information, if available. 6.Assess the organization and clarity of the diagnosis results for ease of understanding.	Fish specimen image(s) for analysis.	1.Diagnosis Result Page is accessible. 2.Diagnosis results are prominently displayed. 3.Detected fish diseases and associated details are presented clearly. 4.Each disease entry includes relevant information such as symptoms, causes, and treatments. 5.Detailed information for individual diseases can be viewed upon clicking. 6.Diagnosis results are well-organized and easy to understand.	As expected	Pass

Post Condition: Users have access to appropriate and comprehensive treatment recommendations for detected fish diseases on the Diagnosis Result Page, facilitating effective management of fish health issues.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_11	Test Designed date: 7/04/2024
Test Priority (Low, Medium, High): High	Test Executed by: Kamruzzaman Sony
Module Name: Verification of Proper Treatment	Execution date: 8/04/2024

Test Title: Verification of Proper Treatment Recommendations

Description:This test case verifies the accuracy and relevance of treatment recommendations provided for detected fish diseases, such as "Ichthyophthirius multifiliis" (Ich), on the Diagnosis Result Page within the AquaMed application.

Preconditions: 1.User logged into AquaMed.
2.Access to Diagnosis Result Page.
3.Diagnosis analysis performed with uploaded fish specimen image(s).
4.Diagnosis results including detected fish diseases and associated treatment recommendations available.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Access Diagnosis Result Page in AquaMed. 2.Find "Ichthyophthirius multifiliis" (Ich) treatment recommendations. 3.Review medication, environmental adjustments, and other strategies for Ich. 4.Validate efficacy of treatments like copper-based medications or temperature adjustments. 5.Cross-reference recommendations with trusted sources for accuracy. 6.Ensure considerations for Ich severity, fish species, and environmental factors. 7.Check for precautions like removing carbon filtration during medication. 8.Confirm adherence to industry standards for Ich management.	Diagnosis results including detected fish diseases and associated treatment recommendations, specifically for "Ichthyophthirius multifiliis" (Ich).	1.Ensure Diagnosis Result Page accessibility. 2.Validate "Ichthyophthirius multifiliis" (Ich) treatment recommendations. 3.Confirm suitability and effectiveness for Ich treatment. 4.Ensure inclusion of relevant factors and precautions for Ich management. 5.Confirm adherence to best practices and industry standards for addressing Ich infections.	As expected	Pass

Post Condition: Users have access to accurate and effective treatment recommendations for Ichthyophthirius multifiliis (Ich) and other detected fish diseases on the Diagnosis Result Page, enabling them to take appropriate actions to manage fish health effectively.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_12	Test Designed date: 8/04/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Kamruzzaman Sony
Module Name: History Page	Execution date: 8/04/2024

Test Title: Accessing History Page

Description:This test case verifies the functionality of accessing the History Page within the AquaMed application, which provides users with a comprehensive archive of past fish disease detections..

Preconditions: 1.User logged into AquaMed.
2.Access to the History Page feature available

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the AquaMed application. 2.Locate and click on the "History" option in the application menu. 3.Verify that the History Page loads successfully. 4.Check for the presence of past fish disease detections listed on the History Page. 5.Ensure that the list of past detections is displayed in a clear and organized manner. 6.Review the available options for filtering or sorting past detections, if applicable. 7.Click on a specific past detection entry to view detailed information, if available.	N/A	1.The AquaMed application is accessible. 2.The History Page loads without errors or delays. 3.Past fish disease detections are listed on the History Page. 4.The list of past detections is presented in a clear and organized format. 5.Options for filtering or sorting past detections, if provided, are functional. 6.Detailed information for specific past detection entries can be accessed upon clicking.	As expected	Pass

Post Condition: Users have successfully accessed the History Page within the AquaMed application, providing them with a valuable archive of past fish disease detections for reference and analysis.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony

Test Case ID: FR_13			Test Designed date: 8/04/2024	
Test Priority (Low, Medium, High): Low			Test Executed by: Kamruzzaman Sony	
Module Name: Menu Page			Execution date: 8/04/2024	
Test Title: Navigation and Functionality of Menu Page				
Description:This test case verifies the navigation and functionality of the Menu Page within the AquaMed application, which serves as a centralized hub for accessing various features and functionalities.				
Preconditions: 1.User logged into AquaMed.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Open the AquaMed application. Navigate to the Menu Page. 2.Review the available options and features listed on the Menu Page. 3.Click on each option to ensure they lead to the corresponding functionalities. 4.Verify that all options are clickable and functional. 5.Test the responsiveness of the Menu Page across different devices and screen sizes. 6.Ensure that the Menu Page layout is intuitive and user-friendly.	N/A	1.The AquaMed application is accessible. 2.The Menu Page is displayed without errors or delays. 3.All options and features listed on the Menu Page are visible and legible. 4.Clicking on each option leads to the corresponding functionality or page. 5.The Menu Page is responsive across different devices and screen sizes. 6.The layout of the Menu Page is intuitive and promotes seamless navigation.	As expected	Pass
Post Condition: Users can easily navigate and access various features and functionalities of the AquaMed application through the Menu Page, enhancing user engagement and experience.				

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_12	Test Designed date: 8/04/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Kamruzzaman Sony
Module Name: History Page	Execution date: 8/04/2024

Test Title: Accessing History Page

Description:This test case verifies the functionality of accessing the History Page within the AquaMed application, which provides users with a comprehensive archive of past fish disease detections..

Preconditions: 1.User logged into AquaMed.
2.Access to the History Page feature available

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Navigate to the AquaMed application. 2.Locate and click on the "History" option in the application menu. 3.Verify that the History Page loads successfully. 4.Check for the presence of past fish disease detections listed on the History Page. 5.Ensure that the list of past detections is displayed in a clear and organized manner. 6.Review the available options for filtering or sorting past detections, if applicable. 7.Click on a specific past detection entry to view detailed information, if available.	N/A	1.The AquaMed application is accessible. 2.The History Page loads without errors or delays. 3.Past fish disease detections are listed on the History Page. 4.The list of past detections is presented in a clear and organized format. 5.Options for filtering or sorting past detections, if provided, are functional. 6.Detailed information for specific past detection entries can be accessed upon clicking.	As expected	Pass

Post Condition: Users have successfully accessed the History Page within the AquaMed application, providing them with a valuable archive of past fish disease detections for reference and analysis.

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony

Test Case ID: FR_13			Test Designed date: 8/04/2024	
Test Priority (Low, Medium, High): Low			Test Executed by: Kamruzzaman Sony	
Module Name: Menu Page			Execution date: 8/04/2024	
Test Title: Navigation and Functionality of Menu Page				
Description:This test case verifies the navigation and functionality of the Menu Page within the AquaMed application, which serves as a centralized hub for accessing various features and functionalities.				
Preconditions: 1.User logged into AquaMed.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Open the AquaMed application. Navigate to the Menu Page. 2.Review the available options and features listed on the Menu Page. 3.Click on each option to ensure they lead to the corresponding functionalities. 4.Verify that all options are clickable and functional. 5.Test the responsiveness of the Menu Page across different devices and screen sizes. 6.Ensure that the Menu Page layout is intuitive and user-friendly.	N/A	1.The AquaMed application is accessible. 2.The Menu Page is displayed without errors or delays. 3.All options and features listed on the Menu Page are visible and legible. 4.Clicking on each option leads to the corresponding functionality or page. 5.The Menu Page is responsive across different devices and screen sizes. 6.The layout of the Menu Page is intuitive and promotes seamless navigation.	As expected	Pass
Post Condition: Users can easily navigate and access various features and functionalities of the AquaMed application through the Menu Page, enhancing user engagement and experience.				

Project Name: Fish Disease Detection System	Test Designed by: Kamruzzaman Sony
Test Case ID: FR_14	Test Designed date: 8/04/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Kamruzzaman Sony
Module Name: Contact Session	Execution date: 8/04/2024

Test Title: Verify message submission with valid user data

Description: Test the functionality of the contact us page to submit a message with valid user data.

Preconditions: 1.User must have valid email, phone number, and be logged into their account.

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the Fish Disease Detection 2.System application. 3.Navigate to the Contact Us page. 4.Enter the full name. 5.Enter a valid email address. 6.Enter a valid phone number. 7.Enter the message. 8.Click the Submit button.	Full name: Kamruzzaman Sony Email: sony100@gmail.com Telephone: +8801534786 5231 Organization: AIUB Message: Hi, I am…….	1.The message is submitted successfully. 2.User receives a confirmation message.	As expected	Pass

Post Condition: User's message is submitted to the database, and a confirmation message is displayed.