

STD FOR FITNESS MANAGEMENT APPLICATION

1 INTRODUCTION

1. System Overview:

The Fitness App application will include features to test like login and registration functionality ,personal Chat group to get guide from trainer,health status to carry a particular workout in its first version.

The second version of software will include features like payment gateway to training institute,GPS tracking functionalities in its second version.

The third version will check whether weekly reports and monthly reports are displayed properly.The Q and A forum will also be tested whether the queries can be viewed by all the members of the registered group.

The final testing will be on non functional attributes like security testing ,usability testing,performance testing,cross browser testing and reliability testing

2. Test Approach

Login and Registration functionality will be tested by black box testing technique like partition and boundary value testing inputs.For these ,we will do manual testing for login functionality and data driven testing for registration functionality.

Personal Chat Functionality will be tested to ensure the chats are not visible to no other registered user except the user and trainer.For this we will use selenium tool .

The application will also ask the use to upload medical history and get assistance whether the user can do particular workload or not. The database should be able to hold all the uploaded files by user and also whether doctor is able to communicate with registered number of user will be checked.We will do database testing of Jmeter online tool for these .

These version 1 of software will take approximately 2 weeks for testing.

The payment gateway will accept only valid credit anhd debit cards.Testing will be done whether Credit/debit card number,Date of expiry and CVV details are fetched by the application correctly by the application. These can be done by manual testing.

The GPS functionality will check whether application can correctly trace the location of user.

The second version of software will take approximately 3 weeks.

The Q and A forum will be tested whether only registered users are able to interact with the group. The registered user should be able to post the queries and also answer to others queries.

The monthly and weekly reports will be analysed whether all the graphs are displayed properly and whether all the expected results are displayed properly to specific user.

The third version of software will take approximately 3 weeks.

The security testing will be performed by arachnid tool in 1 week, Cross browser testing using Cross Browser Tool in 1 week, Performance testing using Jmeter tool in 1 week, Usability testing using chrome runner tool in 1 week. The database testing will be performed whether all the data are stored and fetched properly from database. The non functional attributes will be testing in approximately in 4 weeks.

2. Test plan:

Version	Estimated completion of testing
1	30/10/2019
2	12/11/2019
3	25/10/2109

S no	Deliverable Name	Author	Reviewer
1	Test Plan	Test Lead(Shreejith)	Project Manager/ Business Analyst's
2	Functional Test cases	Test Team(Unmesh)	Business Analyst's Sign off
3	Logging defects	Test Team(Prem)	Test Lead/ Programming Lead
4	Daily/Weekly Status	Test Team(Saurabh)	Test Lead/ Project Manager
5	Test closure report	Test Lead(Shreejith)	Project Manager

2.1 Features to be tested

Version	Functionality to be tested
1	login and registration, personal Chat group , health status to carry a particular work-out
2	payment gateway to training institute, GPS tracking
3	weekly reports and monthly reports, Q and A forum

2.2 Features not to be tested

We shall not test the payment gateway in the initial stages as it would require legal procedures with the bank for transaction.

We shall also not test whether the offers are applied appropriately to new user in the initial stages due to transaction and legal permission from bank .

2.3 Testing Tools and Environment

Number of testers needed->3

Time needed->1 month approximately

Hardware:8GB ram and intel processor

Software:Windows OS and Chrome Browser

Tools needed:

Junit->Unit Testing

Citrus Tool->Integration Testing

Selenium->Automation Testing

Performance Testing->Jmeter Tool

Security Testing->Arachni Tool

Compatibility Testing->Cross Browser Tool

Usability Testing->LightHouse Tool

Database Testing->DBUnit Tool

3 TEST CASES

3.1 Login Functionality

3.1.1 Purpose:

To check user is able to login with username and password where username should not accept special characters

3.1.2 Inputs:

Go to site:www.fitnessmanagement.com

Click on login

Enter username as abc@123

Password as 123

3.1.3 Expected Outputs & Pass/Fail criteria

The result should fail on above input as it contains special characters.

3.1.4 Test Procedure

The user should be registered first.

3.2 Medical document upload Functionality

3.2.1 Purpose:

To get medical assistance to user before doing any workout.

3.2.2 Inputs:

Go to site:www.fitnessmanagement.com

Click on login with valid credentials

Select upload document

3.2.3 Expected Outputs & Pass/Fail criteria

The result should fail if any word or any file except pdf is uploaded.

3.2.4 Test Procedure

The user should be registered and logged in .

3.3 Personal Chat Functionality Functionality

3.2.1 Purpose:

To get assistance to user before doing any workout from trainer.

3.2.2 Inputs:

Go to site:www.fitnessmanagement.com

Click on login with valid credentials

Click on chat

3.2.3 Expected Outputs & Pass/Fail criteria

Only user and trainer should be able to see the chats. User and trainer should be able to reply to particular conversation.

3.2.4 Test Procedure

The user should be registered and logged in .

3.4 Q and A session Functionality Functionality

3.2.1 Purpose:

To post and reply queries.

3.2.2 Inputs:

Go to site:www.fitnessmanagement.com

Click on login with valid credentials

Click on Q and A session

3.2.3 Expected Outputs & Pass/Fail criteria

All the registered users should be able to post and reply to queries in public.

3.2.4 Test Procedure

The user should be registered and logged in.

3.5 Weekly and monthly reports Functionality Functionality

3.2.1 Purpose:

To view the weekly and monthly reports of workouts.

3.2.2 Inputs:

Go to site: www.fitnessmanagement.com

Click on login with valid credentials

Click on view reports

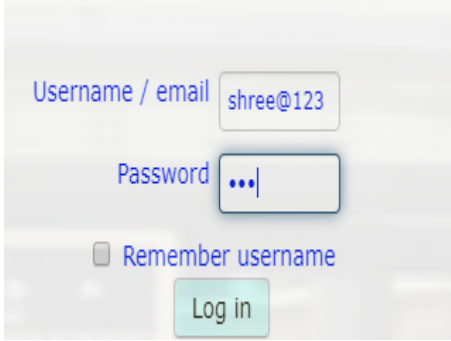
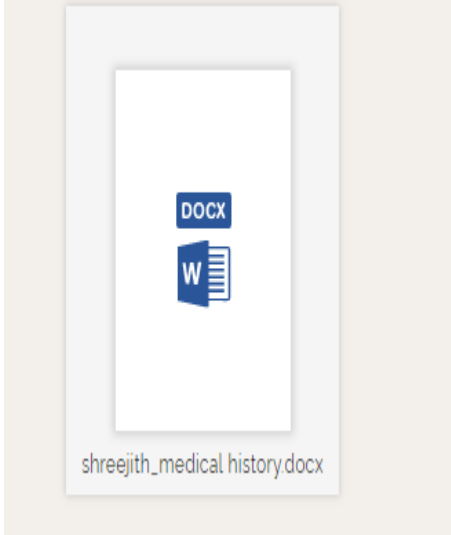
3.2.3 Expected Outputs & Pass/Fail criteria

All the registered users should be able to view his/her weekly and monthly reports on workout.

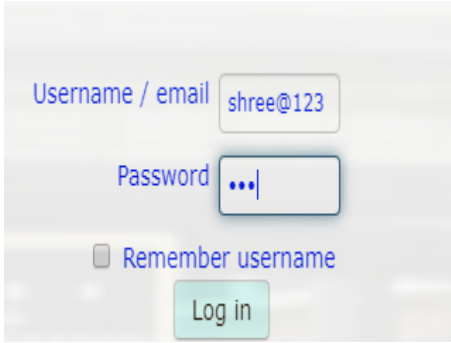
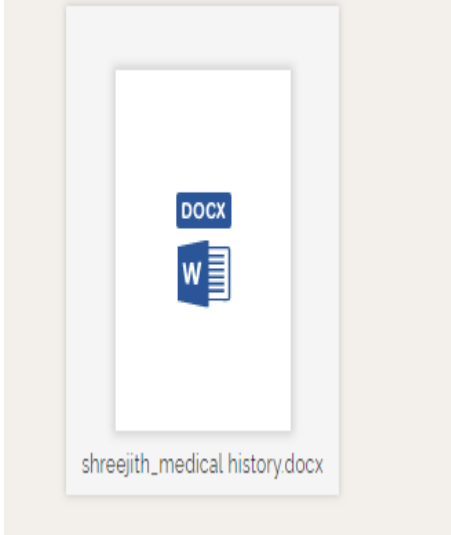
3.2.4 Test Procedure

The user should be registered and logged in.

- Test Logs

Test case id	Test case Name	Description	Input	Expected output	Actual output	Status
3.1	Login functionality	Go to site,do registration and login	Enter user name and password	User name should accept all aphanumeric but no special characters	Special characters also accepted	Failed(30/10/2019) At testing environment(Windows os (Chrome browser)
						
3.2	Upload medical documents	Go to site,click on medical suggestion	User should select the pdf document to be uploaded	User should be able to upload only pdf document	Word document is also accepted	Failed(30/10/2019) At testing environment(Windows os (Chrome browser)
						
3.3	Personal chat	Login to site and click on personal chat	User can type the queries to trainer	Only user and trainer should be able to see the conversations and reply to each other	Same as expected	Passed(12/11/2019)
3.4	Q and A	Login	Registered	Only	Same	Passed(12/11/2019)

5. Test Results:

Test case id	Test case Name	Description	Input	Expected output	Actual output	Status
3.1	Login functionality	Go to site,do registration and login	Enter user name and password	User name should accept all aphanumeric but no special characters	Special characters also accepted	Failed(30/10/2019) At testing environment(Windows os (Chrome browser)
						
3.2	Upload medical documents	Go to site,click on medical suggestion	User should select the pdf document to be uploaded	User should be able to upload only pdf document	Word document is also accepted	Failed(30/10/2019) At testing environment(Windows os (Chrome browser)
						
3.3	Personal chat	Login to site and click on personal chat	User can type the queries to trainer	Only user and trainer should be able to see the conversations and reply to each other	Same as expected	Passed(12/11/2019)
3.4	Q and A	Login	Registered	Only	Same	Passed(12/11/2019)

Defect Reporting:

Test case id	Test case Name	Description	Input	Expected output	Actual output	Status	Rectified Date
3.1	Login functionality	Go to site,do registra- tion and login	Enter user name and pass- word	User name should ac- cept all aphanu- merics but no special characters	Special charac- ters also accepted	Accepted	05/11/2019
3.2	Upload medical documents	Go to site,click on med- ical sugges- tion	User should select the pdf docu- ment to be up- loaded	User should be able to upload only pdf document	Word docu- ment is also accepted	Accepted	05/11/2019