American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science &Technology (FST)

Summer 21-22

Section: D

Software Quality Assurance and Testing

Doctor's Portal

A Report submitted
By

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Software Test Plan

for

<Doctor's Portal>

Version 1.0 approved

Prepared by <Md Mahadial Mohok Million, Md Abu Sufian, Rabby Hossain, Istiak Mahmud Tamim>

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<28/04/2023>

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Revision History

Revision	Date	Updated by	Update Comments
0.1	2023.04.18	Mohok	First Draft
0.2	2023.04.19	Sufian	Second Draft
0.3	2023.04.20	Mohok	Third Draft
0.4	2023.04.22	Mohok	Fourth Draft
0.5	2023.04.23	Tamim	Fifth Draft
0.6	2023.04.24	Sufian	Sixth Draft
0.7	2023.04.25	Rabby	Seventh Draft
0.8	2023.04.26	Tamim	Eighth Draft
0.9	2023.04.27	Rabby & Tamim	Final Draft

1. TEST PLAN IDENTIFIER:RS-MTP01.3

2. REFERENCES

- https://researchwap.net/computer-science-section-b-only-documentation/pr4mJTKznDbEIC
- https://www.studocu.com/row/document/somali-international-university/constructionmanagement/documentation-for-an-online-hospital-management-system/38244923

3. INTRODUCTION

Background to the Problem

Hospitals have been the traditional setting for the delivery of healthcare services for many years. While hospitals play an important role in providing healthcare services, they also present several challenges that need to be addressed. One of the major challenges of hospitals is the high cost of healthcare services. Hospitals require a significant amount of resources, such as buildings, equipment, and staff, which can lead to high healthcare costs. This can make healthcare services inaccessible or unaffordable for many people, particularly those without health insurance or low-income individuals. Another challenge of hospitals is the potential for the spread of infectious diseases. Hospitals are high-risk environments for the transmission of infectious diseases, and outbreaks of diseases such as MRSA and COVID-19 have highlighted the importance of infection prevention and control measures. Furthermore, hospitals can be overwhelming and intimidating for some patients. Patients may feel anxious or stressed in a hospital environment, which can negatively affect their recovery. In addition, hospitals may not always be accessible to everyone, particularly those living in remote areas. This can lead to delays in receiving healthcare services, which can have serious consequences for patients with acute or chronic health conditions.

Solution to the Problem

Telemedicine has emerged as a promising solution to address the challenges associated with offline and physical hospitals treatment. Telemedicine refers to the use of technology, such as video conferencing and remote monitoring, to deliver healthcare services remotely. One of the benefits of telemedicine is improved access to healthcare services, particularly for those living in remote or underserved areas. Telemedicine can also help reduce healthcare costs by eliminating the need for patients to travel to physical hospitals or clinics, reducing transportation costs and time off work. Telemedicine can also improve the quality of healthcare services by providing timely access to healthcare professionals, reducing waiting times and allowing for more efficient and effective treatment. Telemedicine can also reduce the risk of infection transmission in hospitals, as patients can receive healthcare services from the safety and comfort of their own homes. Moreover, telemedicine can improve patient outcomes by providing more personalized care and enabling patients to take an active role in their healthcare. Telemedicine can also enhance

patient engagement by enabling patients to access their health information and communicate with healthcare professionals more easily.
Therefore, Doctors Portal presents a promising solution to improve access, quality, and affordability of healthcare services while also addressing the challenges associated with offline and physical hospitals treatment.

4. REQUEIREMNT SPECIFICATION

4.1 System Features

1. Admin Features

Functional Requirements

• Can Log In

• Can Log out

• Can Change Password

• Can Update Profile

• Can check doctors list

• Can check patients list

• Can add doctor

• Can add patients

• Can remove doctor and patients

• Can post health or hospital related post

Priority Level: High

Precondition: Admin must have valid username and password.

1.1. Doctor Features

Functional Requirements

• Can Registration

• Can Log In

• Can Log out

• Can Change Password

• Can Update Profile

• Can check appointment

• Can check post from admin

Priority Level: High

Precondition: Doctor must have valid username and password.

1.2. Patient Features

Functional Requirements

• Can Registration

• Can Log In

• Can Log out

• Can Change Password

• Can Update Profile

• Can check Doctor list

• Can take Doctor appointment

• Can check post from admin

Priority Level: High

Precondition: Patient must have valid username and password.

4.2 System Quality Attributes

A software's quality may be ensured by several critical quality characteristics.

Usability: Anyone should be able to sign up for an account and utilize the system.
Efficiency: Every Functional requirement must be met.

Portability: All devices with online capabilities or internet connection will work flawlessly with it.

Maintainability: If find out a problem in the system, it will be possible to solve it.

Correctness: All characteristics mentioned will be finished according to consumers' preferences.

Functionality: A registered user can only check on appointment; an unregistered user can view the doctor list and post.

Accessibility: It may be accessible from anywhere on the Internet as it is web-based software.

Reliability: All features will work as intended across a range of working environments or gadgets.

Flexibility: Will be able to adjust to any demands.

Security: In order to avoid data loss, unauthorized access to system operations, and to protect the privacy of data submitted into the system, system integrity or security should be sufficient. Integrity and security go hand in hand.

Installation: No lengthy downloads or installations are required because it is web-based. There will be a website URL. Anyone can access it because it is straightforward.

Customer Support: This is a critical part given the importance of an effective auction mechanism. The service provider ought to give phone and live email support.

4.3 System Interface

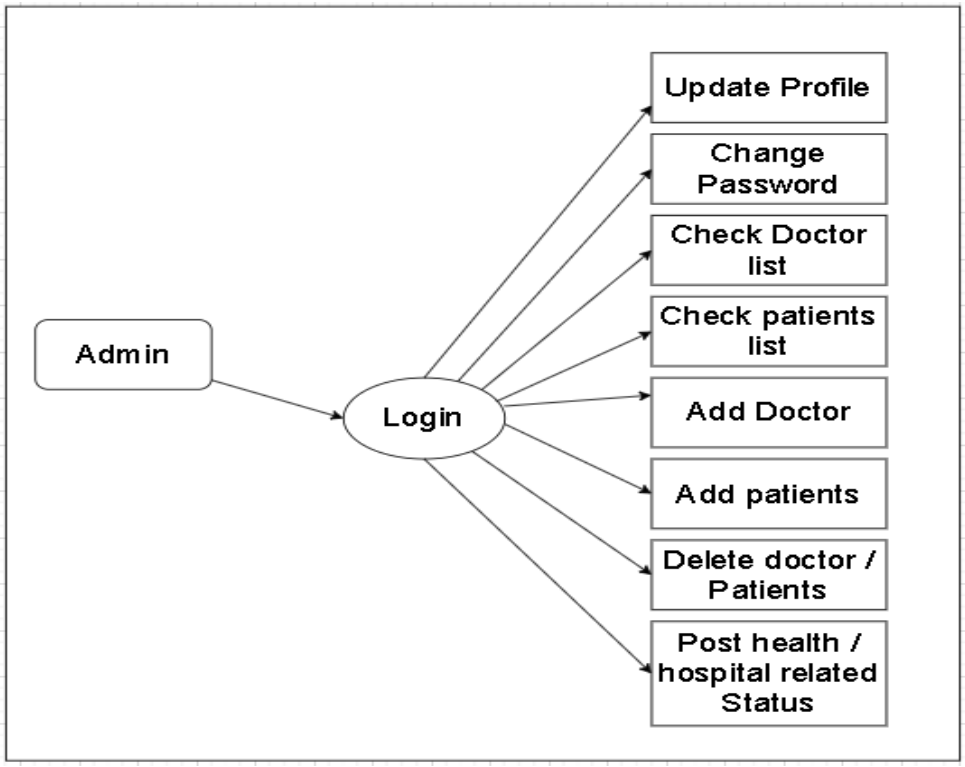


Fig: Admin interaction with the system

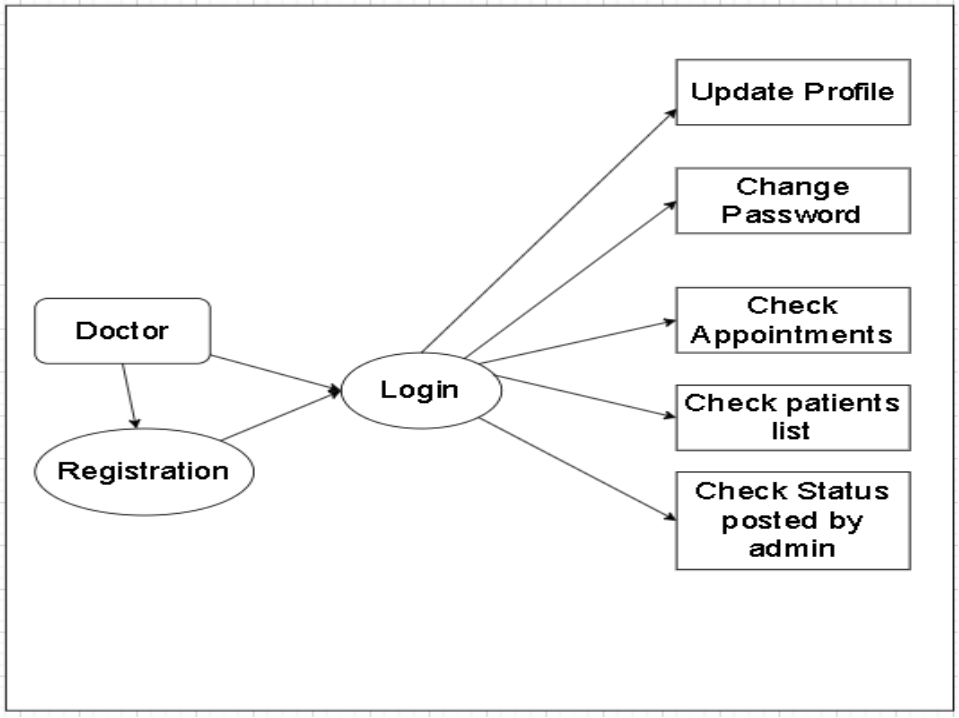


Fig: Doctor interaction with the system

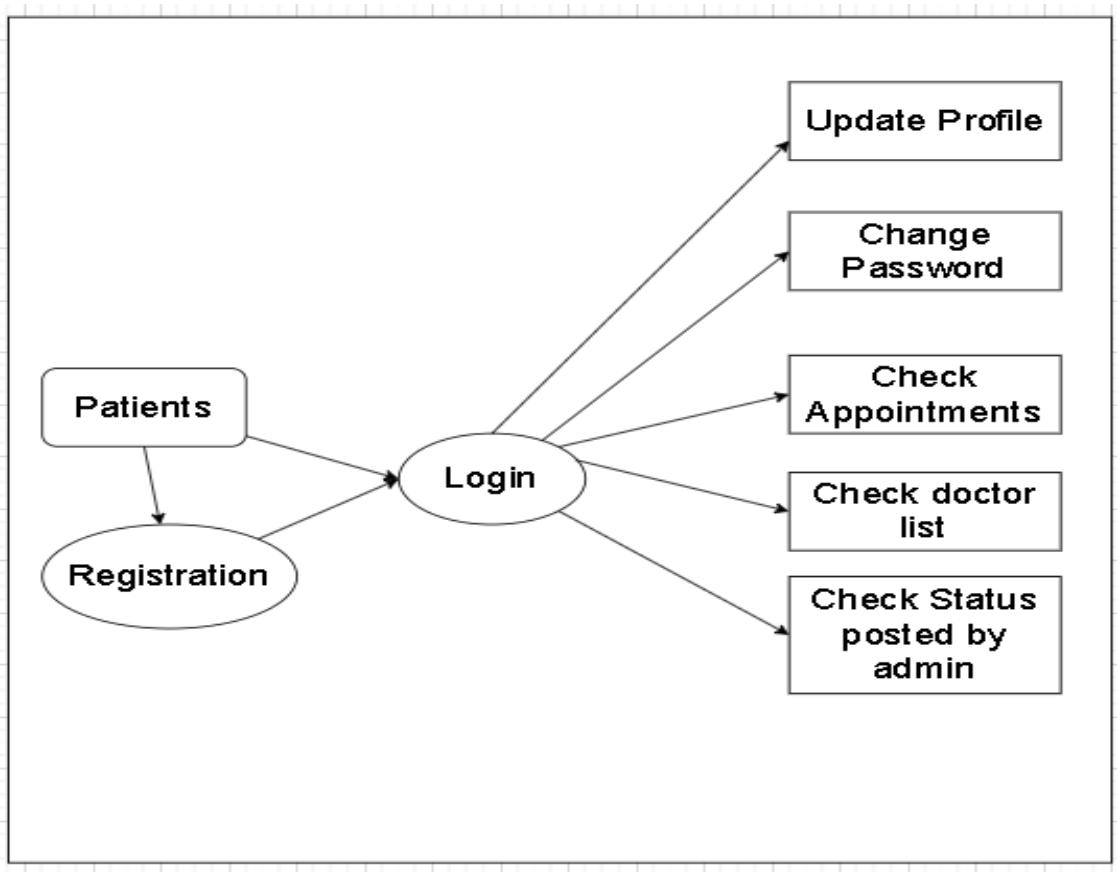


Fig: Patients interaction with the system

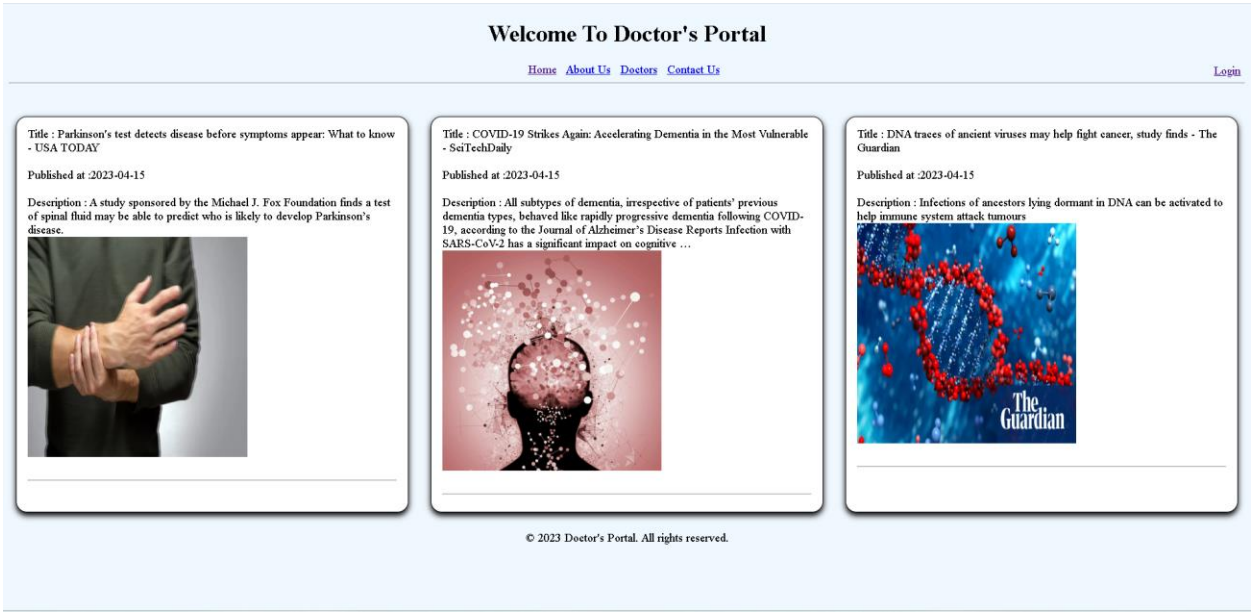


Fig: Home Module

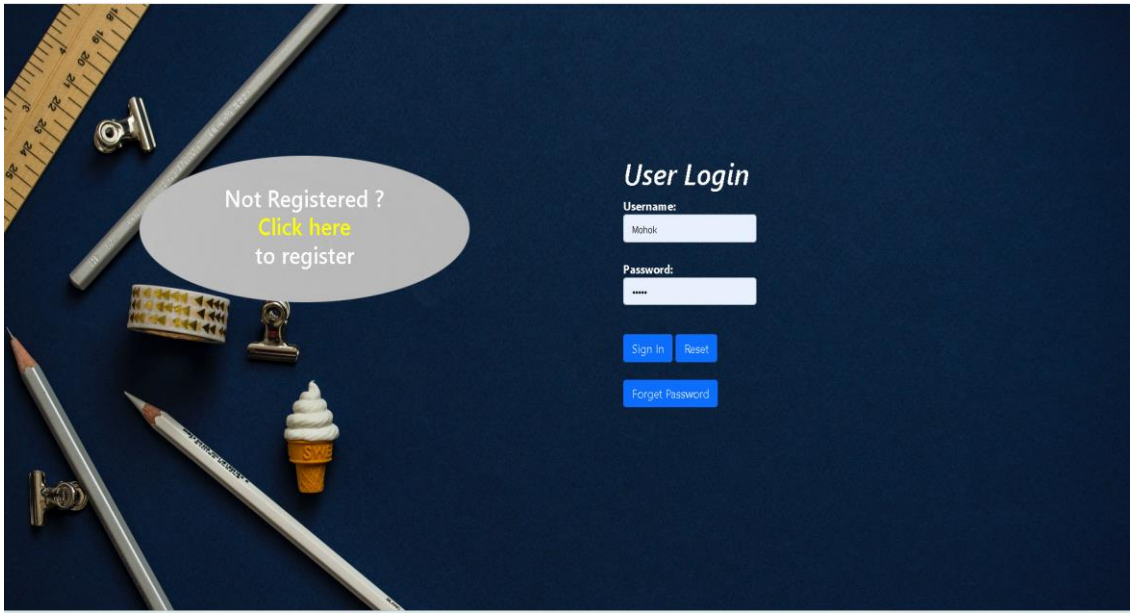


Fig: Login Page

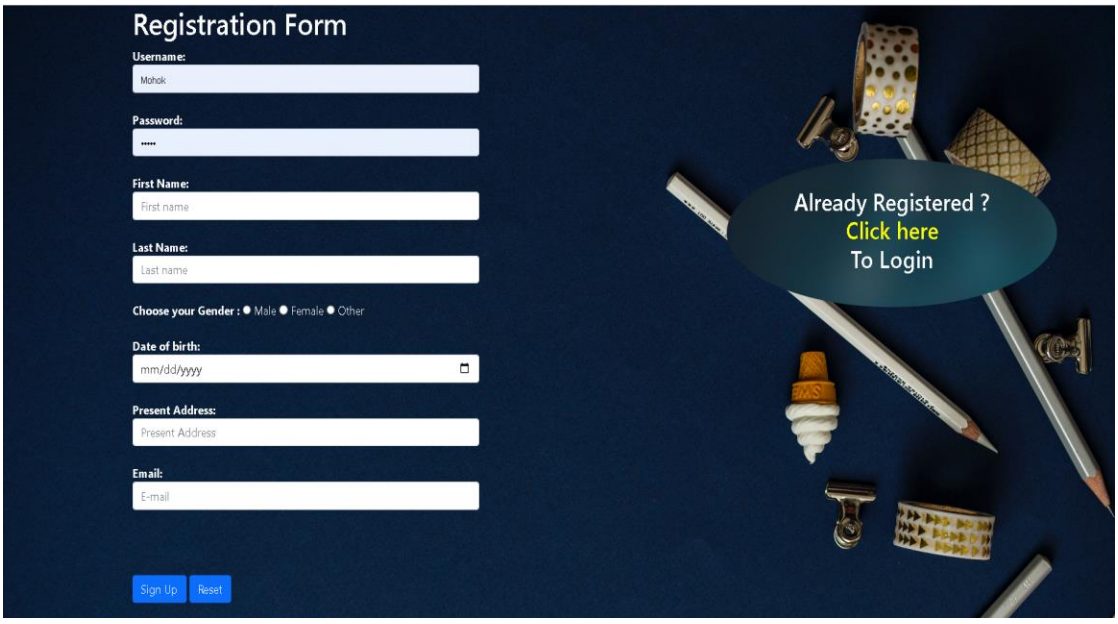


Fig: Registration Page

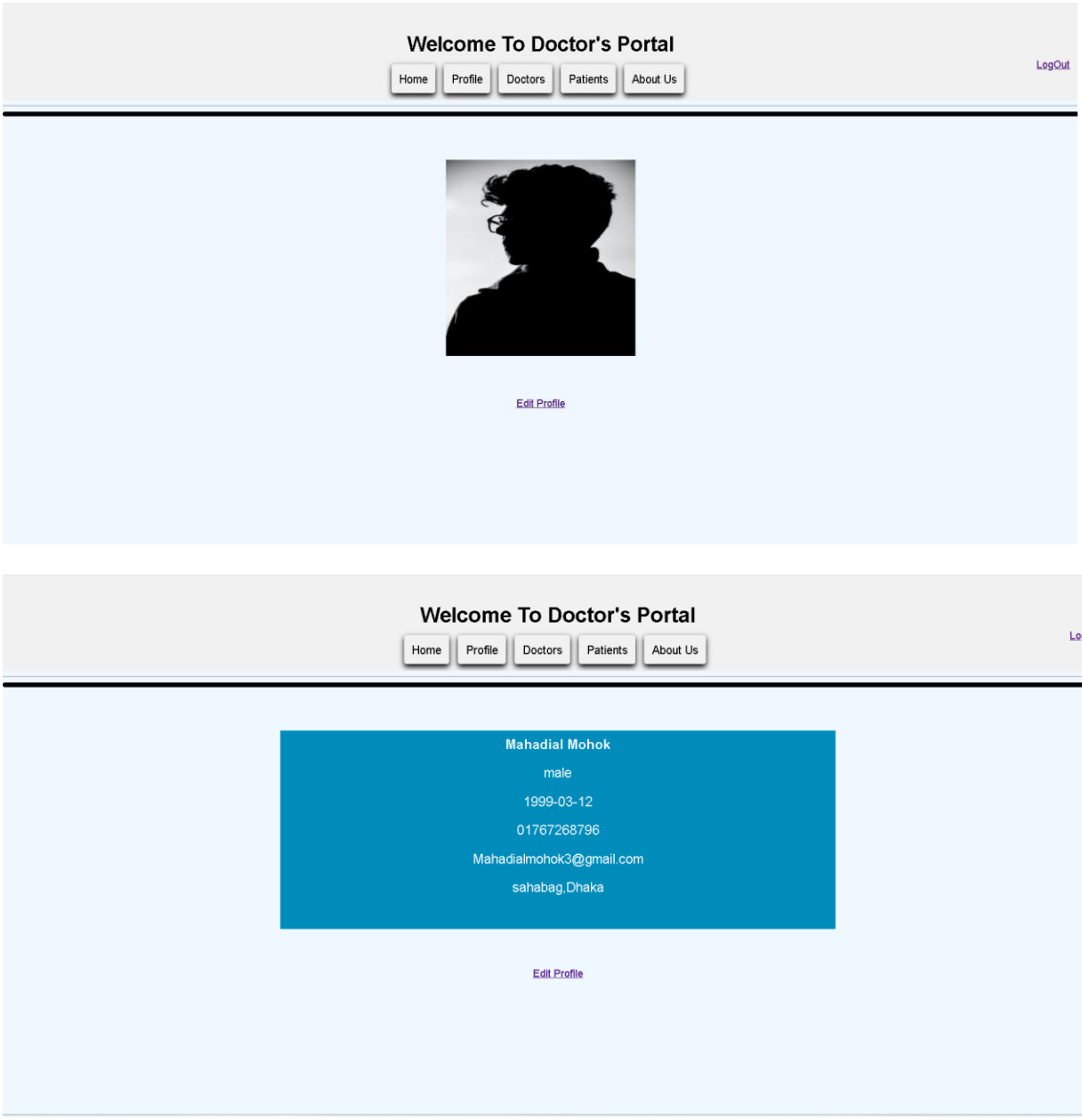


Fig: Profile Page

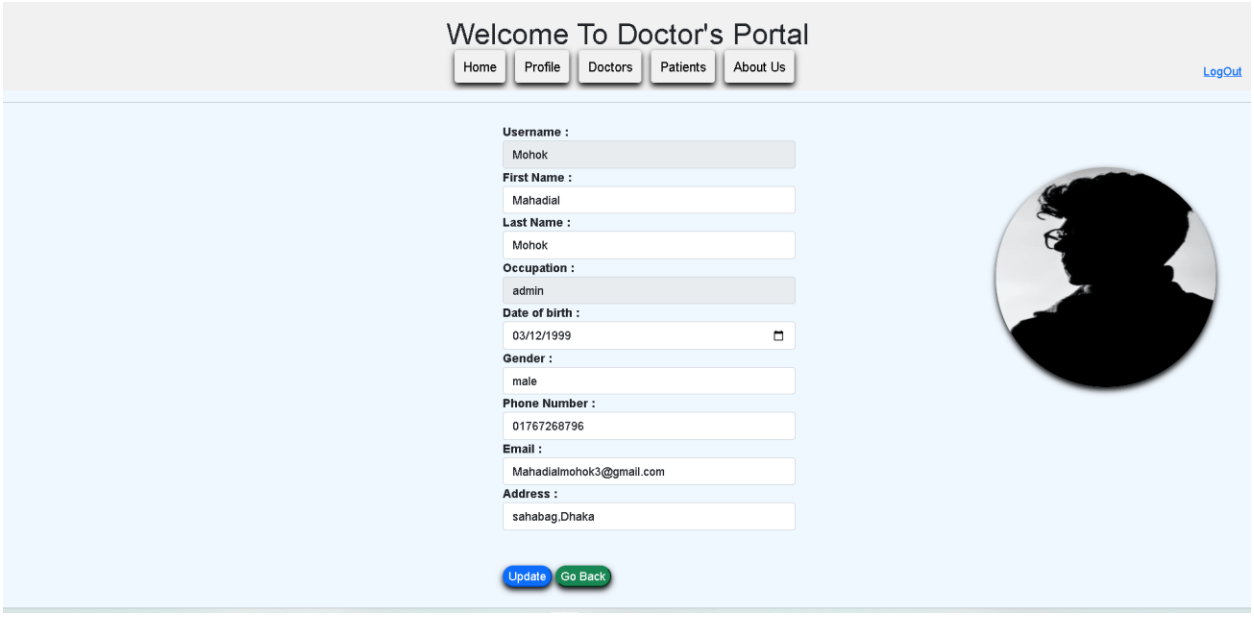


Fig: Update Profile Page

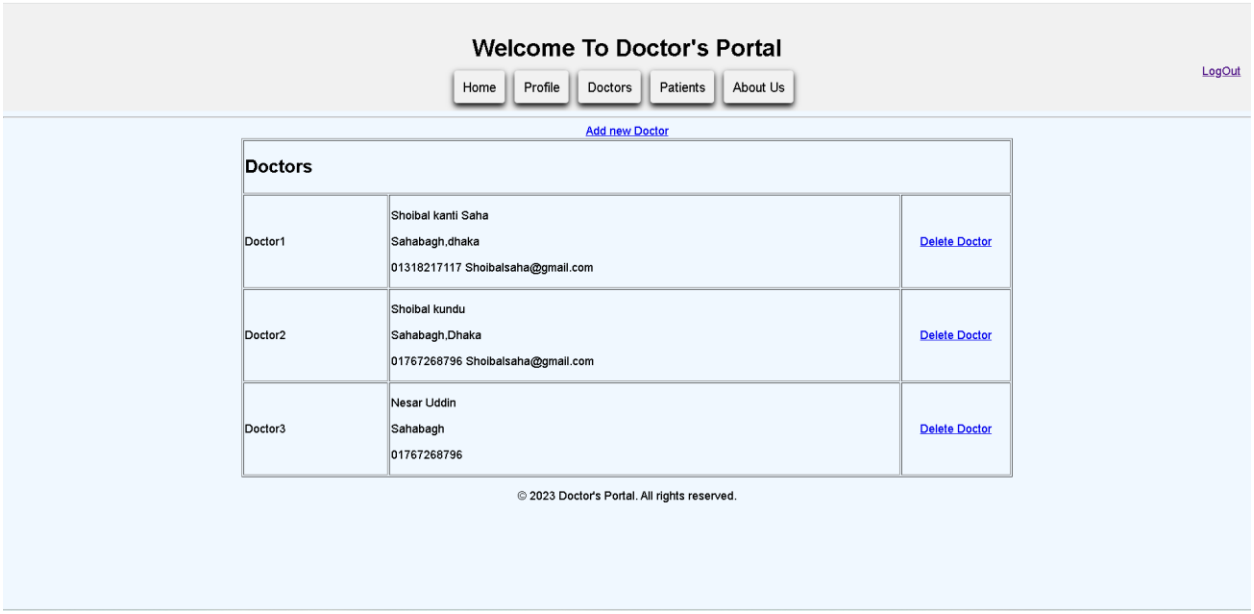


Fig: Doctors list Page

Fig: Delete Doctor Confirmation Page

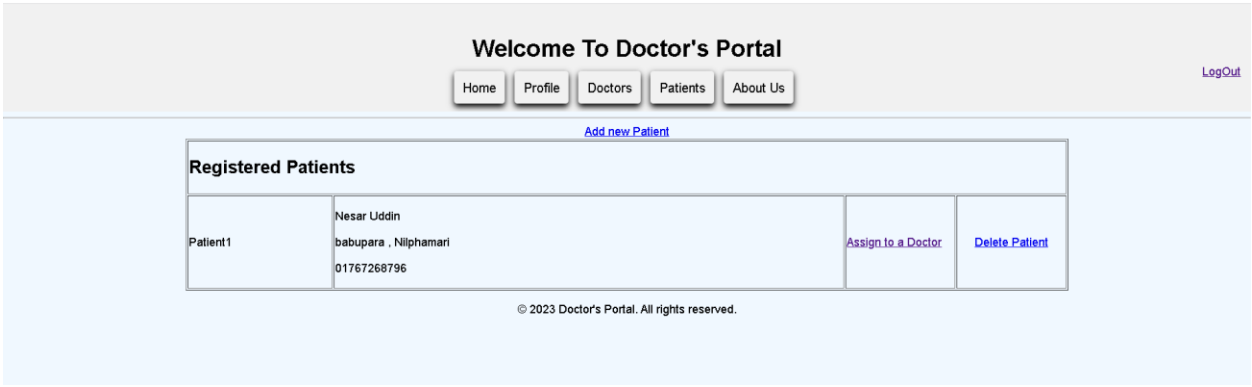


Fig: Patients list Page

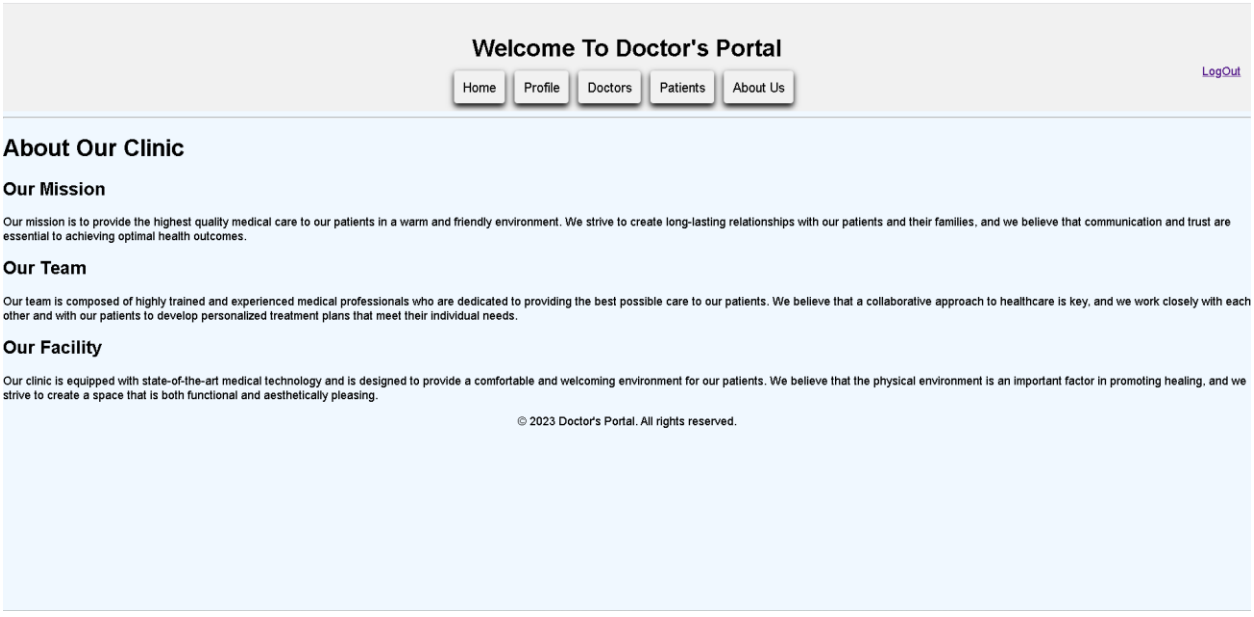


Fig: About us Page

4.4 Project Requirements

o Time: This web-based application may take around 6 months (180 days) to complete.

o Budget: 4,75,000 BDT

o Size: This web-based application's final size will not exceed 250-300 MB, but for users, it will be a webpage link.

o HTML, PHP, XAMPP, JAVASCRIPT and AJAX will be used to build this web-based application.

o There are numerous online auction systems available worldwide. But Bangladesh was our main area of attention. So, this method is only for users in Bangladesh.

5. FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect as a result of other testing efforts. Below there are some modules in our project we did not perform selenium testing.

In Admin:
• about us
• log out

In Doctor:
• Check appointments
• Check patients list
• about us

In Patients:
• about us
• Check doctor list

6. TESTING APPROACH

6.1 Testing Levels

- The testing for the SMS project will consist of Unit, System/Integration (combined) and Acceptance test levels. It is hoped that there will be at least one full time independent test person for system/integration testing. However, with the budget constraints and timeline established; most testing will be done by the test manager with the development teams' participation.

  UNIT TESTING: In the early stages of software development, we test each individual unit of the program through unit testing. Units are discrete, compact, and independent components of a program. The major objective is to make sure that the tiniest components are functioning correctly so that they do not present a problem after being integrated into a module. Part of the code must be separated and tested separately as part of the unit test. When creating or coding those units, the developer will run these tests. The lead of the development team can keep an eye on unit tests. From official websites, you can get testing tools and packages. Without waiting for the project to be integrated or for additional code, we may test the simplest project components early on. By running unit tests, we can make sure that even the smallest units work properly, find bugs as soon as they arise, and make later debugging processes and product quality easier.

  SYSTEM TESTING: After integration testing is finished, system testing should be carried out to make sure that all the connected modules are functioning properly as a whole. Additionally, a dedicated testing crew should carry out this. Since it is not necessary to understand what is contained in those modules or how they function, it might be referred to as "Blackbox" testing. We test the system as a whole, and the tester should be familiar with the needs and in use of the application. Additionally, before starting the system, essential modules must be prioritized and the test approach must be ready. To ensure that all of the components and external applications work together, end-to-end testing is necessary. Correct system testing will make future mitigating and maintenance much simpler. Bugs with low priority can wait until acceptance testing to be tested. To provide the highest level of product quality, system testing must examine all the software's quality attributes.

  INTEGRATION TESTING: Unit testing is followed by integration testing, which is handled by a separate testing team. The major goal is to test various software modules to make sure they all function properly as standalone components of the program and to validate the performance, functionality, and dependability of the combined module. Additionally, the effectiveness of each module will be verified. Early use of integration testing will result in fewer bugs and easier top- down and bottom up debugging processes. Integration testing is crucial for comparing developer-implemented functionalities to user requirements. There are numerous methods for conducting integration tests, including Big Bang, Incremental, Top-down, Bottom-up, Sandwich, and others. Any of these can be

followed depending on what makes sense for the development process. Integration testing cannot begin before the test strategy is ready. Prior to integration testing, it is important to prioritize the identification of critical modules. An automation testing tool should be used to carry out the test cases for integration testing after they have been prepared. It is important to find errors and report them for further testing.

ACCEPTANCE TESTING: After system testing, the acceptance test is the final significant testing stage in the software development process, and it is carried out by the user. Customer reviews or decisions are made here regarding whether or not the software is ready for the market. A beta or alpha version of the product should be created for this. The user should be well versed in the product, its field, and its features. Issues discovered during the acceptance test process need to be rectified right away and given top priority. Acceptance testing verifies the work of the development and testing teams and represents the caliber of the program as a whole. There are many acknowledged forms of acceptance tests, including UAT, BAT, RAT, CAT, Alpha/Beta Testing, etc.

6.2 Test Tools

For the project required testing tools are described below –

Selenium: Selenium is the most popular open-source browser automation tool that can run scripts across multiple browsers and automate web application for testing. It is an enhanced framework that supports cross-platform and cross-browser and can be easily integrated. It is language independent and support various popular languages such as Java, C#, Python, Ruby, PHP, JavaScript etc. it can be integrated with popular testing tools such as SauceLabs, Maven, TestNG, QMetry, Extent, JUnit and others and run parallel testing. It is not a single tool, instead it's a collection of tools that can later be integrated with Agile, DevOps others. We can also handle reports with selenium. Selenium itself offers different tools like Selenium IDE, Selenium WebDriver, Selenium Grid etc. Selenium also supports mobile testing. We can test hybrid, native or mobile web apps with selenium. For mobile testing, few popular tools of selenium are Appium, Selendroid, Robotium, IOS-driver etc. supporting Android, IOS and other popular OS. Selenium
is a universal use case which is good enough for testers to put forth a greater effort and ignore the codeless trend.Various third-party solutions are available for report like TestNG, JUnit, Extend Library, Allure to prepare report in various format including graphs, timeline, screenshots, pic charts, error logs and so on.

Postman: Postman is one of the most famous testing tools for comprehensive API testing. It provides maximum flexibility and enables frontend, backend, full-stack developer or QA engineer to work in parallel and accelerate development process. Postman also offers cross-team and cross platform support for developers for maximum flexibility. We can run end-to-end testing and evaluate functionality, performance, exceptions, reliability, and debug. It can send API requests and monitor responses from API and also automate the whole

process. It offers various integrations of tools like Jenkins, Travis CI to automate API tests. For CLI (command line) new man can be used with postman. It can also import different schema formats like JSON, Rest, OpenAPI, GraphQL, cURL, RAML, Swagger. Data can be easily tracked with the help of Postman test reports that is sent through the request builder. On test failure, it generates reports using Collection runs. Also, we can generate reports in HTML format

6.3 Meetings

Every week, our test team meets to discuss progression, difficulties, work status and suggestions for testing process. To improving functionality, error characteristics and feasibility test, regular meeting is necessary. Every two weeks, test team lead or supervisor will check if progress meets user requirement and quality. Continuous monitoring and supervising should be maintained to ensure maximum quality. Additional meetings may be called as needed in emergency situations. Testers should discuss difficulties and progress with other testers. Employees may participate in live chat sessions from home to discuss new advancements and recommendations for improving functionality before any planned meetings.
Different teams and their progress should be collaborated by team lead and team lead will be in continuous touch with every team via regular meeting.

7. TEST CASES/TEST ITEMS

Test Case 1:

Project Name: Doctor's Portal			Test Designed by: Mahadial Mohok	
Test Case ID: FR_1			Test Designed date: 18-04-2023	
Test Priority (Low, Medium, High): Medium			Test Executed by: Mahadial Mohok	
Module Name: Home Page			Test Execution date:19-04-2023	
Test Title: Home Page Test				
Description: Checking home page module working or not				
Precondition (If any): N/A				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website	1	Home page test must be successful	As expected,	Pass
Post Condition: Successful Home page Testing				

Test Case 2:

Project Name: Doctor's Portal			Test Designed by: Mahadial Mohok	
Test Case ID: FR_2			Test Designed date: 18-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Mahadial Mohok	
Module Name: Admin Login Page			Test Execution date:19-04-2023	
Test Title: Admin Login Page Test				
Description: Checking admin login page module working or not				
Precondition (If any): N/A				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Admin" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" Button	Username: admin00011 Password: admin0001	The input was not in the database the page should not login successfully and proper message should be shown.	As expected,	Pass
Post Condition: Login test Successful.				

Test Case 3:

Project Name: Doctor's Portal	Test Designed by: Md Abu Sufian
Test Case ID: FR_3	Test Designed date: 19-04-2023
Test Priority (Low, Medium, High): Medium	Test Executed by: Md Abu Sufian
Module Name: Edit Admin Profile	Test Execution date:24-04-2023
Test Title: Edit Admin Profile Test	
Description: Checking Admin Profile edit module working or not	
Precondition (If any): Must have valid Admin username and password	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the "Website" 2. Click on "Login" button from right top section. 3. Select "Admin" 4. Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Profile" button 7. Click on the "Edit Profile" button 8. Enter Information 9.Click on the "Update" button	Username: admin00011 Password: admin0001	The page should update the user's information and a proper message should be shown	As expected,	Pass
Post Condition: Edit Admin Profile Test Successful.				

Test Case 4:

Project Name: Doctor's Portal	Test Designed by: Mahadial Mohok
Test Case ID: FR_4	Test Designed date: 18-04-2023
Test Priority (Low, Medium, High): High	Test Executed by: Mahadial Mohok
Module Name: Doctor Login Page	Test Execution date:22-04-2023
Test Title: Doctor Login Page Test	
Description: Checking doctor login page module working or not	
Precondition (If any): Doctor Login Test must have valid username and password	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Doctor" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" Button	Username: Doctor1 Password: Doctor1	The input was same as the database, the page should be logged in successfully and proper message should be shown.	As expected,	Pass

Post Condition: Login test Successful.

Test Case 5:

Project Name: Doctor's Portal	Test Designed by: Mahadial Mohok
Test Case ID: FR_5	Test Designed date: 18-04-2023
Test Priority (Low, Medium, High): High	Test Executed by: Mahadial Mohok
Module Name: Patient Login Page	Test Execution date:22-04-2023
Test Title: Patient Login Page Test	
Description: Checking Patient login page module working or not	

Precondition (If any): Patient Login Test must have valid username and password

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Patient" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" Button	Username: Mohok Password: Mohok123	The input was same as the database, the page should be logged in successfully and proper message should be shown.	As expected	Pass

Post Condition: Login test Successful .

Test Case 6:

Project Name: Doctor's Portal	Test Designed by: Mahadial Mohok
Test Case ID: FR_6	Test Designed date: 18-04-2023
Test Priority (Low, Medium, High): Medium	Test Executed by: Mahadial Mohok
Module Name: Patient Registration Page	Test Execution date:20-04-2023
Test Title: Patient Registration Page Test	
Description: Checking Patient Registration page module working or not	
Precondition (If any): Patient Registration Test must have valid information	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Patient" 4.Select "Not registered" 5.Enter Information 6.Click on the "Sign up" Button	Username, password, first name, last name and other information	The input was proper information, the page should be registered successfully and proper message should be shown.	As expected,	Pass
Post Condition: Registration test Successful.				

Test Case 7:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_7			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Md Abu Sufian	
Module Name: Add Doctor			Test Execution date:24-04-2023	
Test Title: Add Doctor Test				
Description: Checking new Doctor add module working or not				
Precondition (If any): Must have valid Admin username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Admin" 4.Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Doctors" button 7. Click on the "Add new Doctor" button 8. Enter Information 6.Click on the "Sign up" button	Username, password, first name, last name and other information	The input was proper information, the page should be registered successfully and proper message should be shown.	As expected,	Pass
Post Condition: Add Doctor test Successful.				

Test Case 8:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_8			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Md Abu Sufian	
Module Name: Delete Doctor			Test Execution date:24-04-2023	
Test Title: Delete Doctor Test				
Description: Checking existing Doctor delete module working or not				
Precondition (If any): Must have valid Admin username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the "Website" 2. Click on "Login" button from right top section. 3. Select "Admin" 4. Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Doctors" button 7. Identify the Doctor which needs to delete 8. Click on the "Delete Doctor" button 9.Click on the "Confirm Delete" button	1	Delete Doctor test must be successful	As expected,	Pass
Post Condition: Delete Doctor test Successful.				

Test Case 9:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_9			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): Medium			Test Executed by: Md Abu Sufian	
Module Name: Edit Doctor Profile			Test Execution date:24-04-2023	
Test Title: Edit Doctor Profile Test				
Description: Checking existing Doctor Profile edit module working or not				
Precondition (If any): Must have valid Doctor username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the "Website" 2. Click on "Login" button from right top section. 3. Select "Doctor" 4. Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Profile" button 7. Click on the "Edit Profile" button 8. Enter Information 9.Click on the "Update" button	Username: Doctor2 Password: Doctor2	The page should update the user's information and a proper message should be shown	As expected,	Pass
Post Condition: Edit Doctor Profile Test Successful.				

Test Case 10:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_10			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Md Abu Sufian	
Module Name: Add Patients			Test Execution date:24-04-2023	
Test Title: Add Patients Test				
Description: Checking new Patients add module working or not				
Precondition (If any): Must have valid Admin username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Admin" 4.Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Patients" button 7. Click on the "Add new Patient" button 8. Enter Information 6.Click on the "Sign up" button	Username, password, first name, last name and other information	The input was proper information, the page should be registered successfully and proper message should be shown.	As expected,	Pass
Post Condition: Add Patients test Successful.				

Test Case 11:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_11			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Md Abu Sufian	
Module Name: Delete Patient			Test Execution date:24-04-2023	
Test Title: Delete Patient Test				
Description: Checking existing Patient delete module working or not				
Precondition (If any): Must have valid Admin username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the "Website" 2. Click on "Login" button from right top section. 3. Select "Admin" 4. Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Patients" button 7. Identify the Patient which needs to delete 8. Click on the "Delete Patient" button 9.Click on the "Confirm Delete" button	1	Delete Patient test must be successful	As expected,	Pass
Post Condition: Delete Patient test Successful.				

Test Case 12:

Project Name: Doctor's Portal			Test Designed by: Md Abu Sufian	
Test Case ID: FR_12			Test Designed date: 19-04-2023	
Test Priority (Low, Medium, High): Medium			Test Executed by: Md Abu Sufian	
Module Name: Edit Patient Profile			Test Execution date:24-04-2023	
Test Title: Edit Patient Profile Test				
Description: Checking existing Patient Profile edit module working or not				
Precondition (If any): Must have valid Patient username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the "Website" 2. Click on "Login" button from right top section. 3. Select "Patient" 4. Enter valid "username & password" 5. Click on the "login" button 6. Click on the "Profile" button 7. Click on the "Edit Profile" button 8. Enter Information 9.Click on the "Update" button	Username: Patient1 Password: 12345678	The page should update the user's information and a proper message should be shown	As expected,	Pass
Post Condition: Edit Patient Profile Test Successful.				

Test Case 13:

Project Name: Doctor's Portal			Test Designed by: Mahadial Mohok	
Test Case ID: FR_13			Test Designed date: 18-04-2023	
Test Priority (Low, Medium, High): High			Test Executed by: Istiak Mahmud Tamim	
Module Name: Admin Logout			Test Execution date:23-04-2023	
Test Title: Admin Logout Test				
Description: Checking admin logout page module working or not				
Precondition (If any): N/A				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.Go to the "Website" 2.Click on "Login" button from right top section. 3. Select "Admin" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" button 6.Click on the "logout"button	Username: admin00011 Password: admin0001	The input was in the database the page login successfully and after clicking the logout button it will come to home page.	As expected,	Pass
Post Condition: Admin logout test Successful.				

Test Case 14:

Project Name: Doctor's Portal	Test Designed by: Mahadial Mohok
Test Case ID: FR_14	Test Designed date: 18-04-2023
Test Priority (Low, Medium, High): High	Test Executed by: Istiak Mahmud Tamim
Module Name: Doctor Logout	Test Execution date:23-04-2023
Test Title: Doctor Logout Test	
Description: Checking doctor logout module working or not	
Precondition (If any): N/A	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
4.Go to the "Website" 5.Click on "Login" button from right top section. 6. Select "Doctor" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" button 6.Click on the "logout"button	Username: doctor00011 Password: doctor0001	The input was in the database the page login successfully and after clicking the logout button it will come to home page.	As expected,	Pass
Post Condition: Doctor logout test Successful.				

Test Case 15:

Project Name: Doctor's Portal	Test Designed by: Md Abu Sufian
Test Case ID: FR_15	Test Designed date: 19-04-2023
Test Priority (Low, Medium, High): High	Test Executed by: Istiak Mahmud Tamim
Module Name: Patient Logout	Test Execution date:23-04-2023
Test Title: Patient Logout Test	
Description: Checking patient logout module working or not	
Precondition (If any): N/A	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
7. Go to the "Website" 8. Click on "Login" button from right top section. 9. Select "Patient" 4. Enter valid "username" 5. Enter unique "password" 5. Click on the "login" button 6. Click on the "logout"button	Username: doctor00011 Password: doctor0001	The input was in the database the page login successfully and after clicking the logout button it will come to home page.	As expected,	Pass
Post Condition: Patient logout test Successful.				

Test Case 16:

Project Name: Doctor's Portal	Test Designed by: Md Abu Sufian
Test Case ID: FR_16	Test Designed date: 19-04-2023
Test Priority (Low, Medium, High): High	Test Executed by: Istiak Mahmud Tamim
Module Name: Check Doctors List	Test Execution date:23-04-2023
Test Title: Check Doctors List Test	
Description: Checking doctors list page module working or not	
Precondition (If any): N/A	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
10. Go to the "Website" 11. Click on "Login" button fromright top section. 12. Select "Admin" 4.Enter valid "username" 5.Enter unique "password" 5.Click on the "login" button 6.Click on the "Doctor"button	Username: admin00011 Password: admin0001	The input was in the database the pagelogin successfully and after clicking the doctor button it will show all the doctors list	As expected,	Pass
Post Condition: Doctor list check test Successful.				

8. Test Script

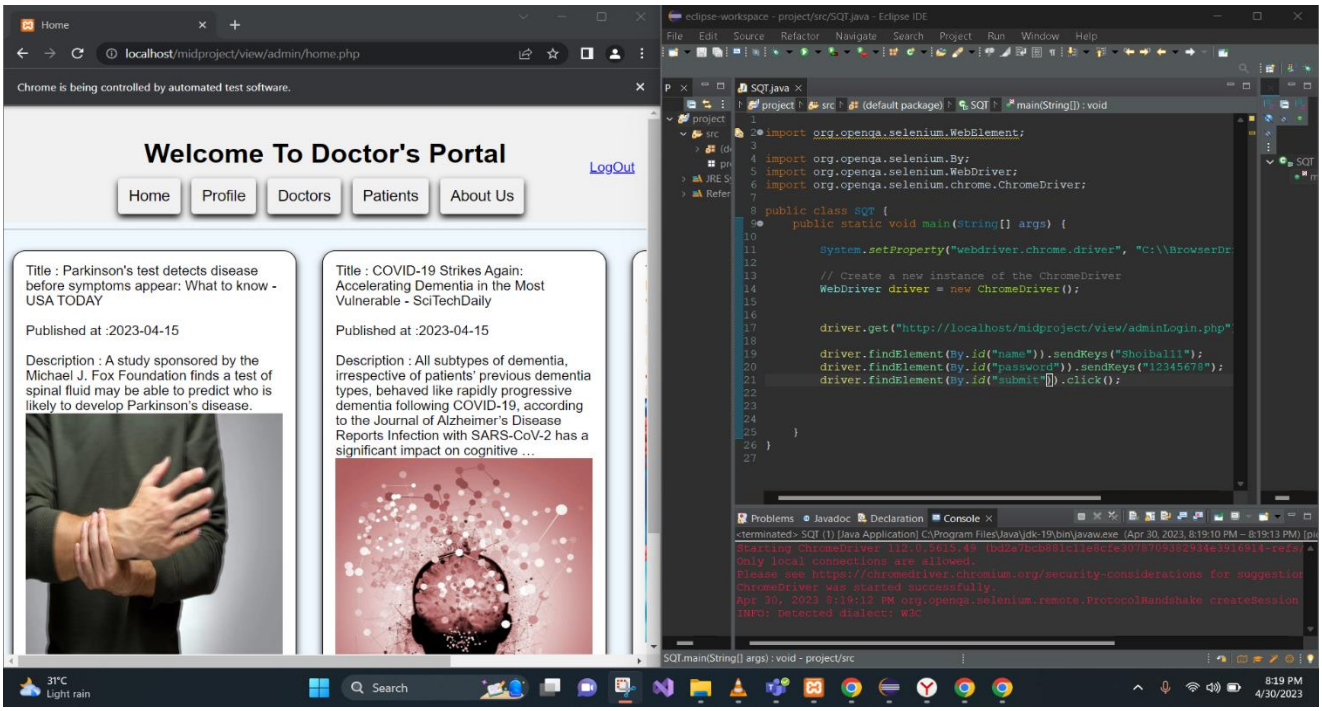


Fig: Admin Login

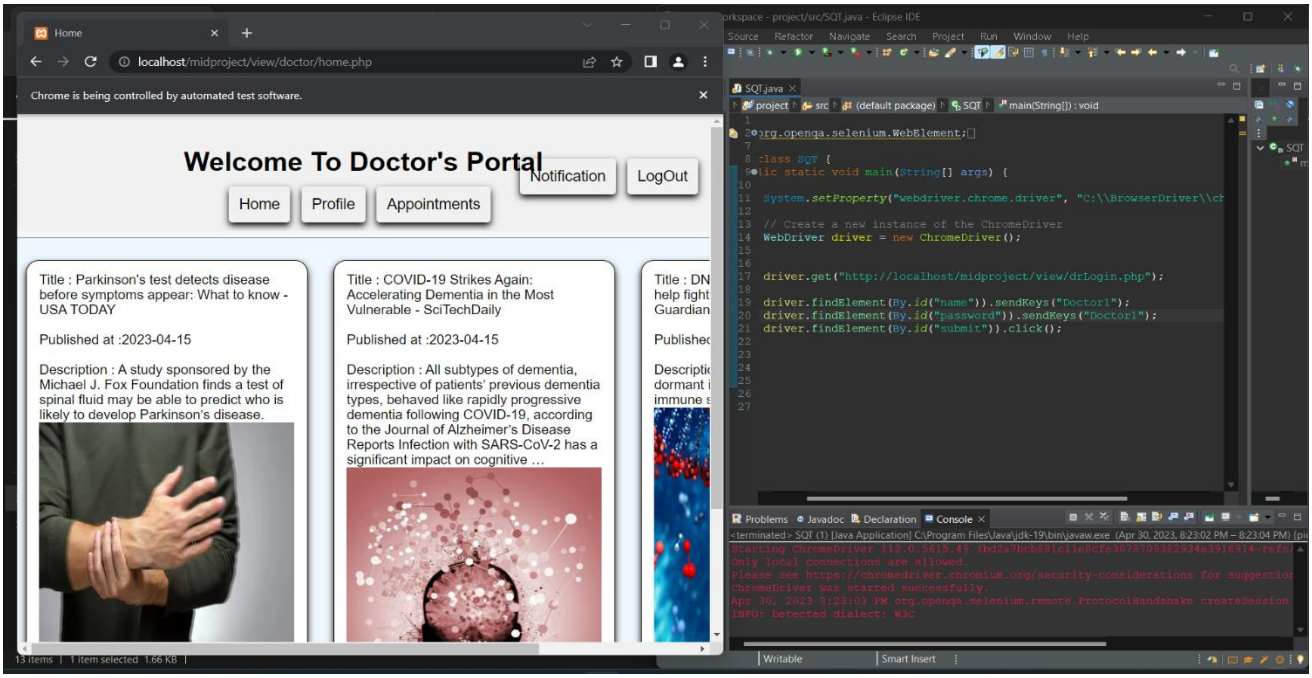


Fig: Doctor Login

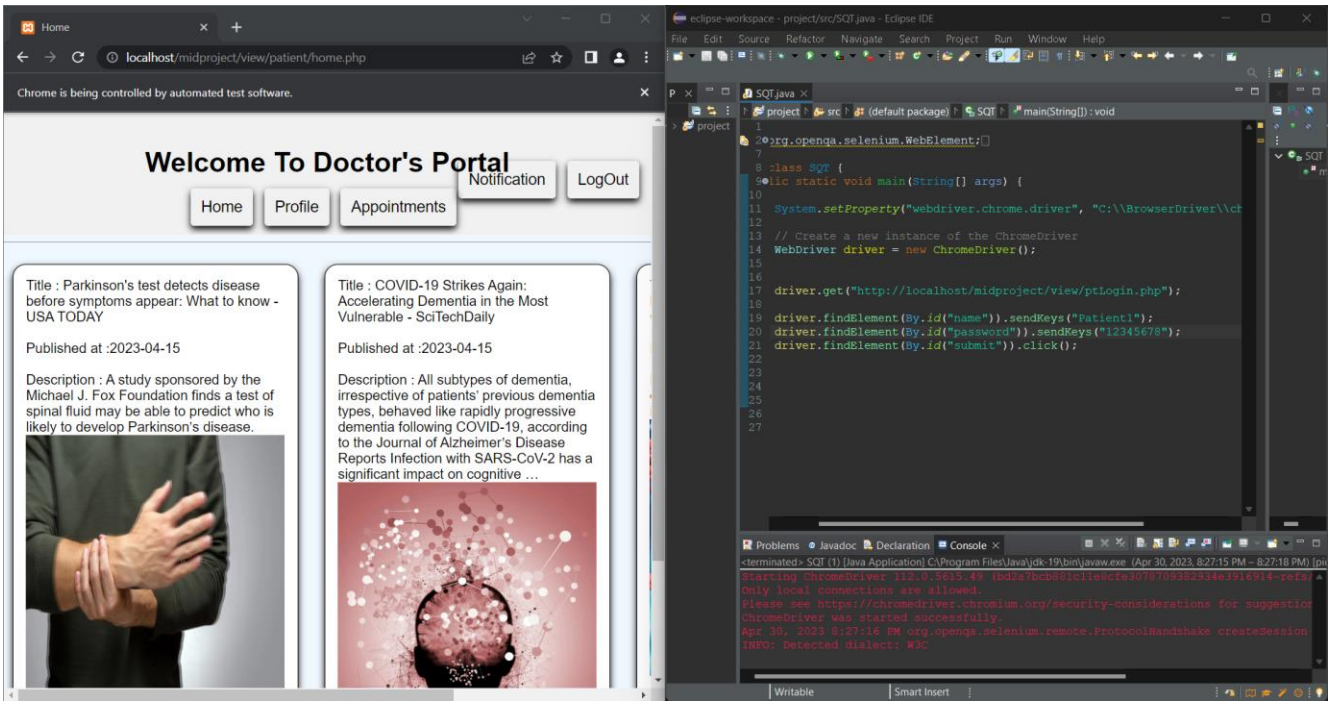


Fig: Patients Login

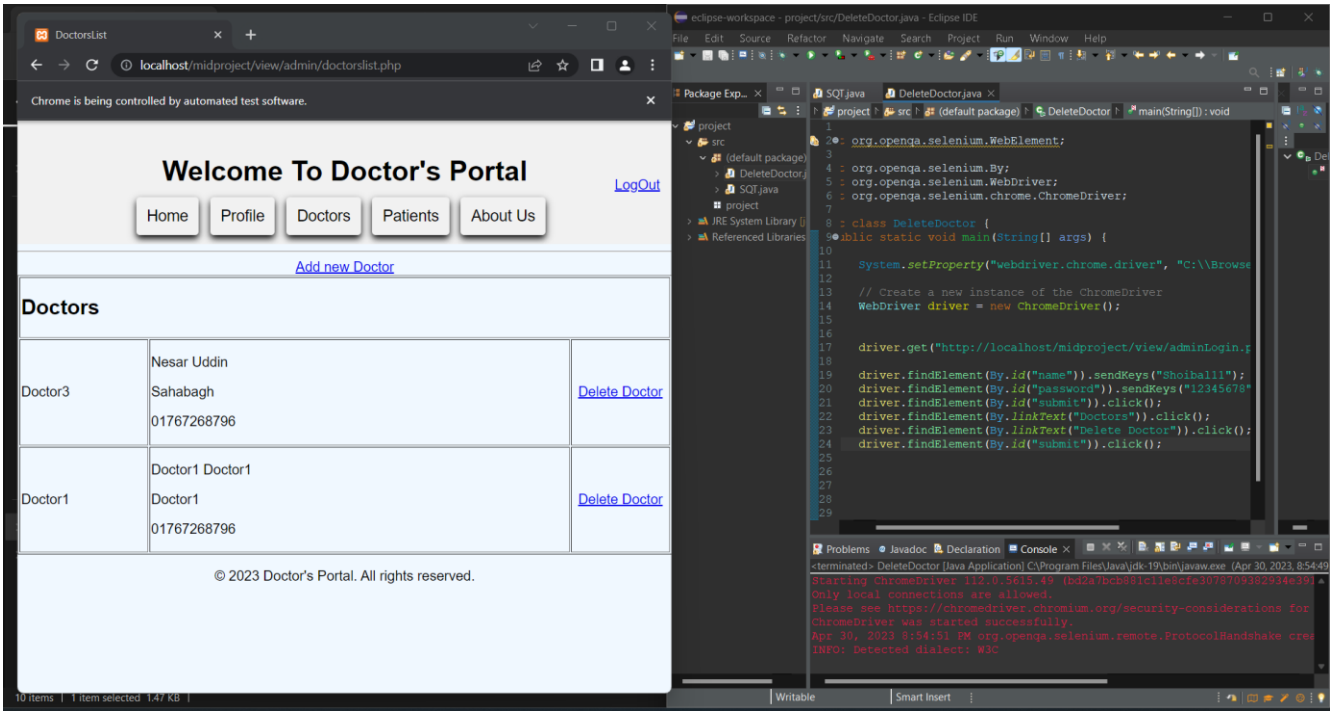


Fig: Delete Doctor

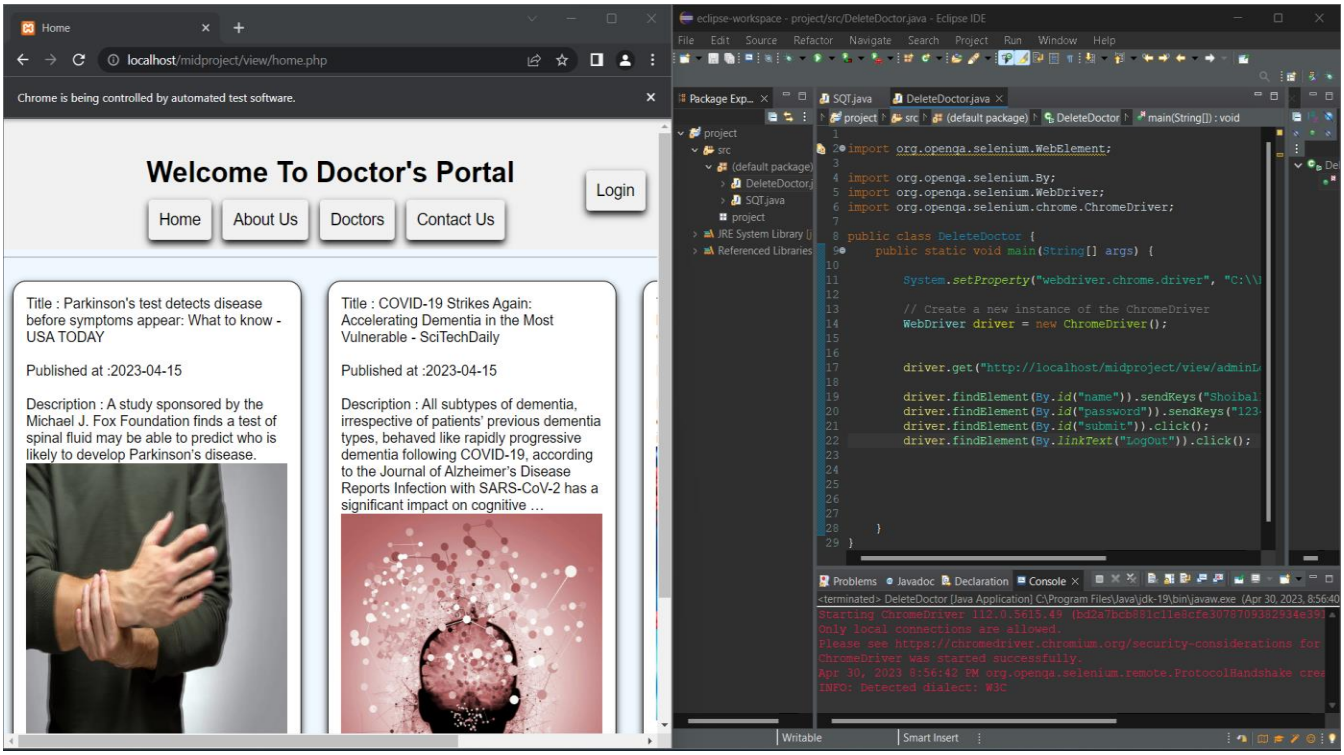


Fig: Logout

9. ITEM PASS/FAIL CRITERIA

The pass or fail criteria for a test item is dependent on the type of testing being performed on that item. A test case is deemed successful if it has found some problem or deviated from the expected results. A test case has failed if the expected output matches the observed output when implementing the given test case. These pass/fail criteria are listed within each specific test case specification. Specifications are given below:

Item	Pass Requirement	Result
FR2 (Admin Login)	Important	Pass
FR5 (Patient Login)	Important	Pass
FR6 (Patient Registration)	Important	Pass
FR7 (Add Doctor)	Important	Pass
FR8 (Delete Doctor)	Important	Pass
FR10 (Add patient)	Important	Pass

10. TEST DELIVERABLES

Before reaching the market or the client, a software product goes through numerous stages of software development and testing, which help validate the effectiveness and quality of the product. During each of these phases, the team lead or manager prepares multifarious documents and reports for their team, which also help them to improve communication among team members and other stakeholders of the project. These reports and documents are an integral part of software development/testing life cycle and are commonly known as test deliverables.

- Software Testing Strategy
- Software Testing Plan
- Software Test Scenarios and Test Cases
- Software Test Metrics
- Product Metrics
- Process Metrics
- Software Test Documentations
- Software Testing Reports
- Daily Test Status Reports
- Incident Reports
- Final (Test Project Closure) Test Status Report

11. STAFFING AND TRAINING NEEDS

1.1 Staffing Needs

During the first quarter of the task the venture/test chief can assume the job of a full time Test engineer with low maintenance test architect to help with the audit and introductory arranging of the venture. After the underlying form has been done, the approval and check testing need 2- full time analyzer and one of them should be the individual associated with undertaking from the origins helping analyzer.

1.2 Training Needs

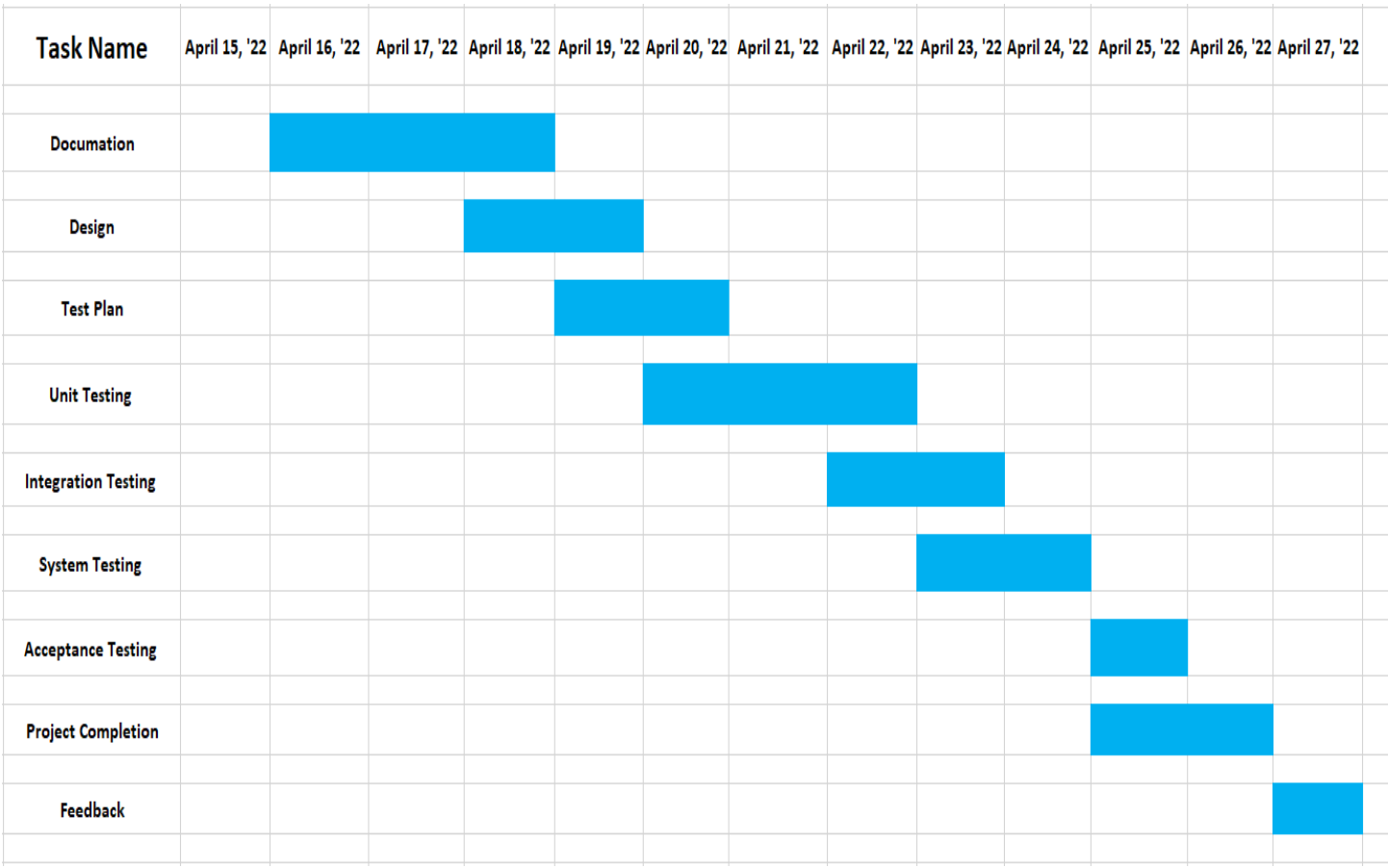
The Test administrator and Project Manager needs to team up with an organization workforce also, train on the inward working of a course portion stream and find out about accessible courses and essential course needs.

12. RESPONSIBILITIES

Responsibilities	Test Manager	Project Manager	Development Team	Test Team	Client
Acceptance Testing, Documentation and Execution	*	*	*	*	
System Testing, Documentation and Execution	*		*	*	
Integration Testing, Documentation and Execution	*		*	*	
Unit Testing, Documentation and Execution	*		*	*	
System Layout Review	*	*	*	*	*
User Interface Review	*	*	*	*	
Test Procedures and rules	*	*		*	
Data validation	*	*		*	*

13. TESTING SCHEDULE

Time has been allocated within the project plan for the following testing activities. The specific dates and times for each activity are defined in the project plan timeline. The persons required for each process are detailed in the project timeline and plan as well. Coordination of the personnel required for each task, test team, development team, management and customer will be handled by the project manager in conjunction with the development and test team leaders.



14. PLANNING RISKS AND CONTINGENCIES

Sometimes it might happen that requirement of users are changed. In this project name and Gmail are fixed. A user can change his/her name by the validation of a moderator. But email can't be changed. But the other information can be changed by the user himself. So, to prevent this, the developer team should keep some other features that can be added when needed. So, the developer team should suggest the customer fewer features. If any change of this test plan occurs, then others risks might be added later. And there is a huge chance of simulating views. Because in this generation simulating view is getting easier. So, developers should make a cool down feature for

every id. Which can prevent this type of illegal behavior. And not only that every moderator will verify the orders before sending products to the buyers.

15. APROVALS

Approval	Personnel
Documentation and Execution	Test manager then project manager
System Structure	Development Team Leader and Project Manager
Acceptance testing	Project Manager and Test Manager
Unit testing	Test Manager
Test Procedures and rules	Project manager and Test Manager
Validation of data	Administration Personnel
Final Project completion	Project Manager then Test Manager then administration personnel
User Interface Review	Test Manager then Development Team then client