

DELIVERABLE 4

a) Report Requirements: -

List a set of requirements designated for phase II.

There are no changes from the deliverable-2 requirements, but an elaborate explanation of requirements has been given to the phase II.

Functional and Non-Functional Requirements of PHASE-II:

a) Functional Requirements:

Along with functional requirements mentioned in phase-1, these are separately for phase-2.

The Functional Requirements for phase-II are as follows:

- A patient can search for the doctor based on the specialization.
- A view page has been created where all the doctors can be viewed according to the search.
- A patient can book an appointment and pay for it using their card.
- A patient can download the medical prescription given by the doctor.
- A patient can view his/her previous appointment bookings.
- A feedback page has been created where patient can give his/her feedback to the doctor.
- A doctor can view all the appointments of patients he/she needs to handle with the time.
- A doctor can view the symptoms presented by the patient at the time of appointment booking.

b) Non-Functional Requirements:

The Non-Functional Requirements for the phase-II are as follows:

- The user interface design should be precise and easily understandable so that, the users can easily navigate to their requirements without much effort.
- Security is provided by allowing the users to access the site with a stronger password, so there won't be any hacking issue.
- The server has to run 24/7 without any interruption caused.
- The details of the users are maintained highly private and there will be no sharing of the details at any cost. If needed to share, consent from the user is required.

- If any fraudulent activities are done by the user, the admin detects them immediately and takes the possible required action.
- The prescription of the patient can be downloaded, so that the patient can give it to the medical stores and avoid issues for medicines which are not on-counter medicines.
- Clear and precise images are used to have a pictorial indication of the site.

c) Interfaces:

- When the site is opened, it shows the home page which contains a brief description of the website and the modules like Home, about, contact and logins.
- The users namely, Doctors, Patient, Admin.
- After logging into the patient's dashboard, they can search for the doctors according to their specialization and also write their symptoms.
- Payment option is also available where they can pay using card.
- When a doctor login to his/her account he can view the appointment which are blocked by patients.
- The doctor can also view the symptoms of the patient.
- There is a feedback page available where the patient can give his feedback after his appointment.
- And the patient can also download his/her medical prescription.

d) System Requirements:

We have used the same system requirements as stated earlier.

1. Hardware Requirements:

- Processor: Intel i7
- RAM: 8 GB
- HD: 400 GB

2. Software Requirements:

- IDE: Eclipse latest
- Front-End Technologies: HTML, CSS, JavaScript and JSP
- Back-End Language: Java
- Back-End Database: MySQL
- Web Server: Apache tomcat 9
- Bootstrap

Eclipse IDE is used for developing this project.

Html, CSS used for design of web pages.

JavaScript used for client-side form data validation, for example username is more than 6 letters or not.

JSP [Java Server Pages] which contain both html and java code therefore it acts as front end and back end.

Java is back-end language which is used for implementing business logic of all web pages.

Java reads data from html forms and stores or gets data from MySQL database.

MySQL is a database server which stores data of website.

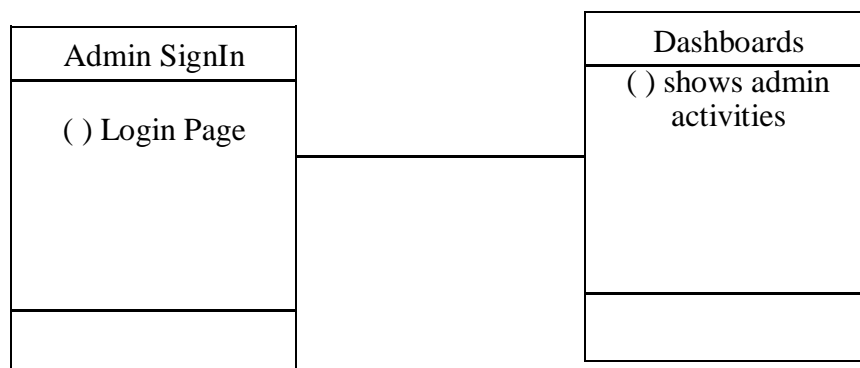
Apache tomcat is a webserver where the website is present. It is actual one which takes requests from client(browser) and sends response to client.

Bootstrap is a predefined framework which is used to design responsive web pages.

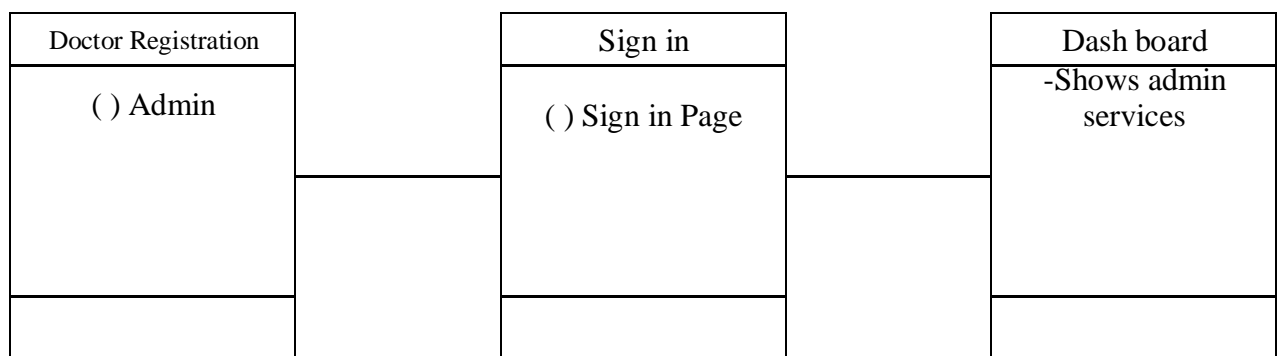
b) UML design for PHASE- II:

- **Class diagram**

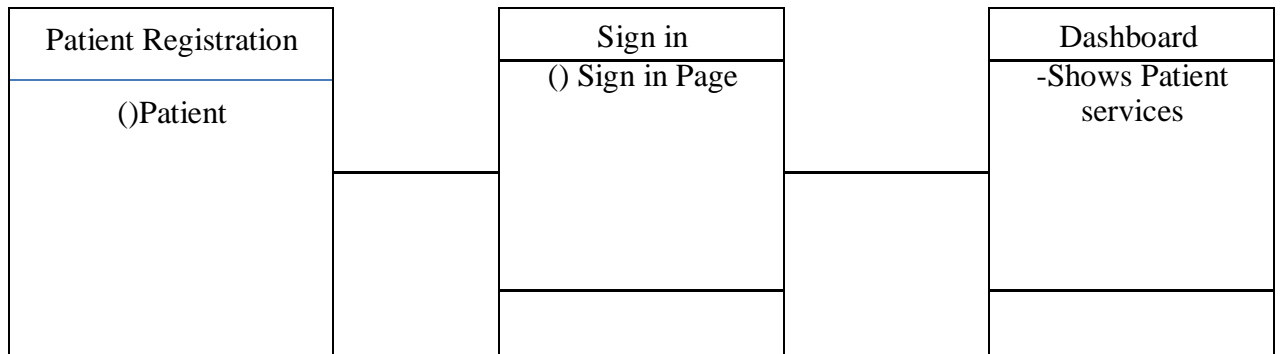
Admin Sign in Class Diagram



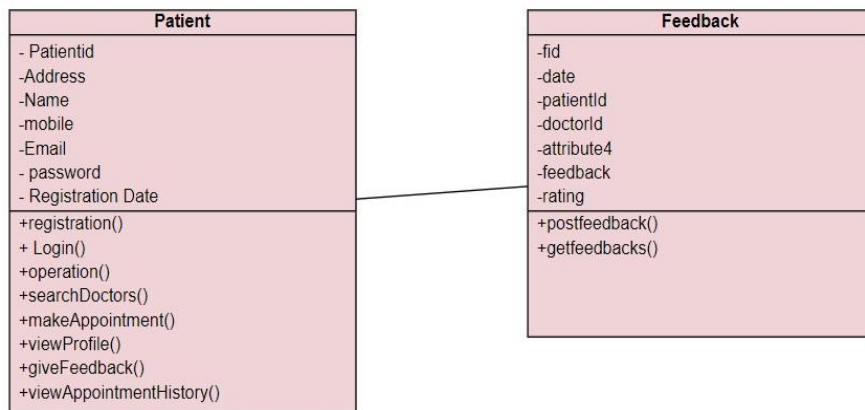
Doctor Sign in Class Diagram



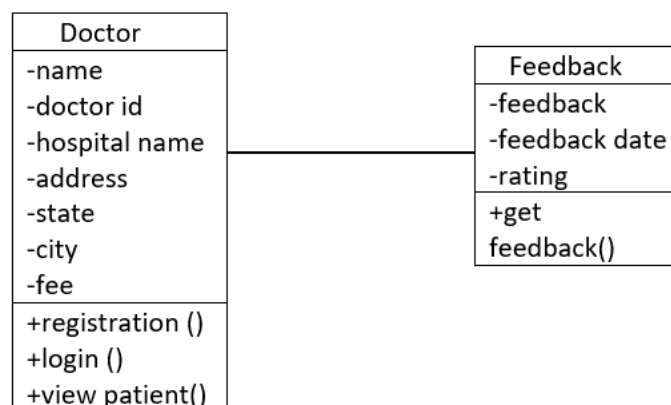
Patient Sign in Class Diagram



Patient Dashboard Class Diagram

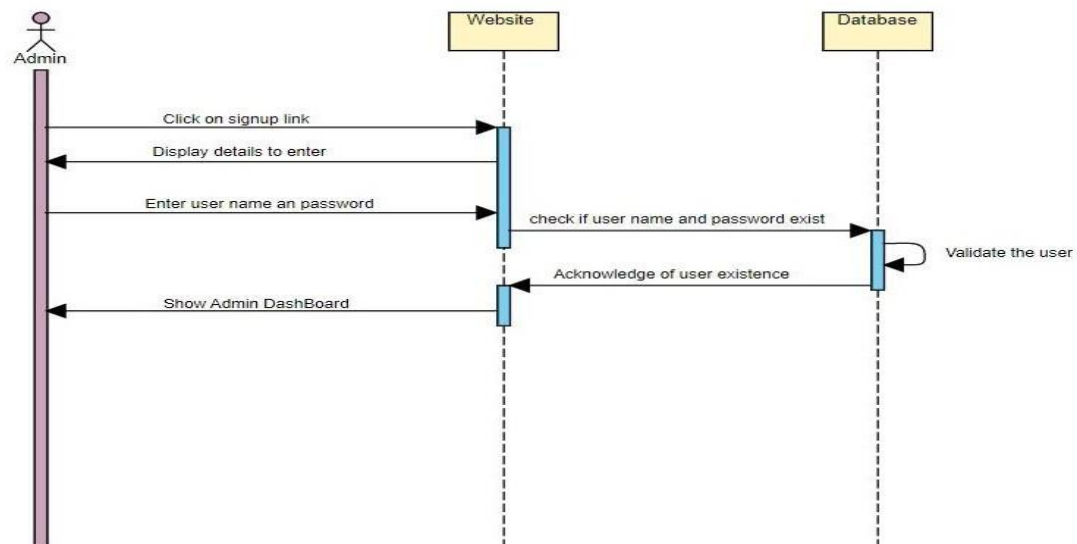


Doctor Dashboard Class Diagram

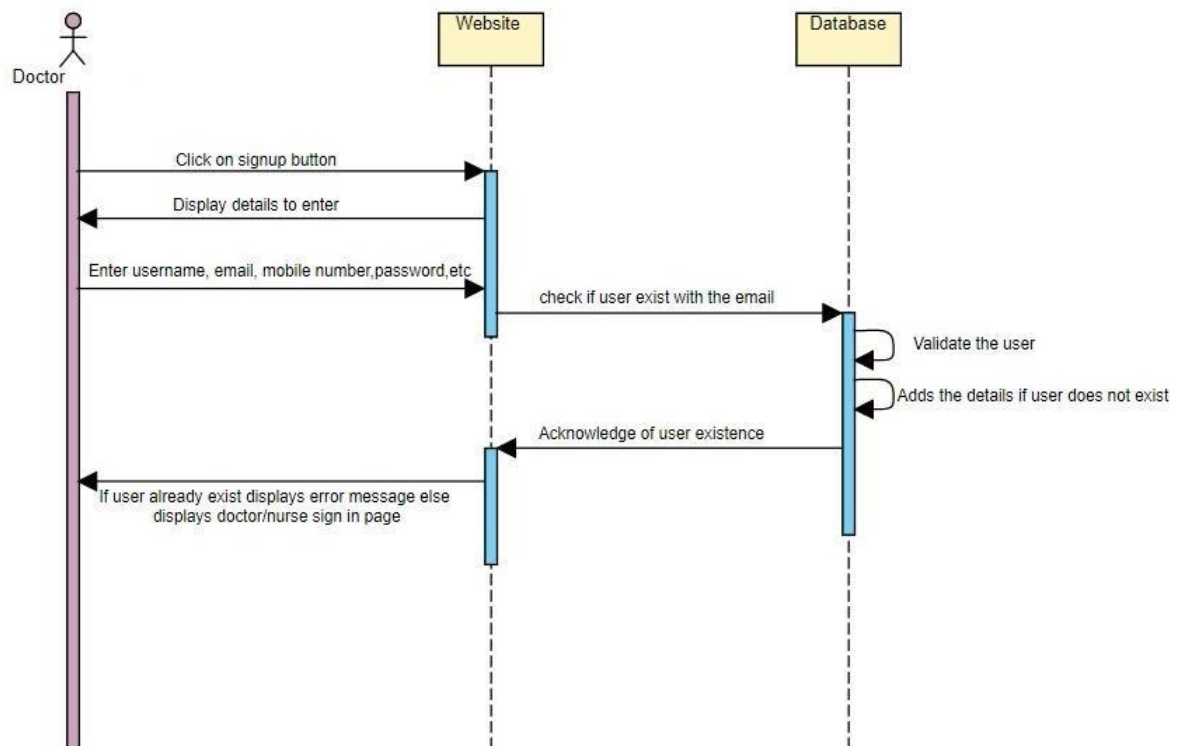


Sequence diagram

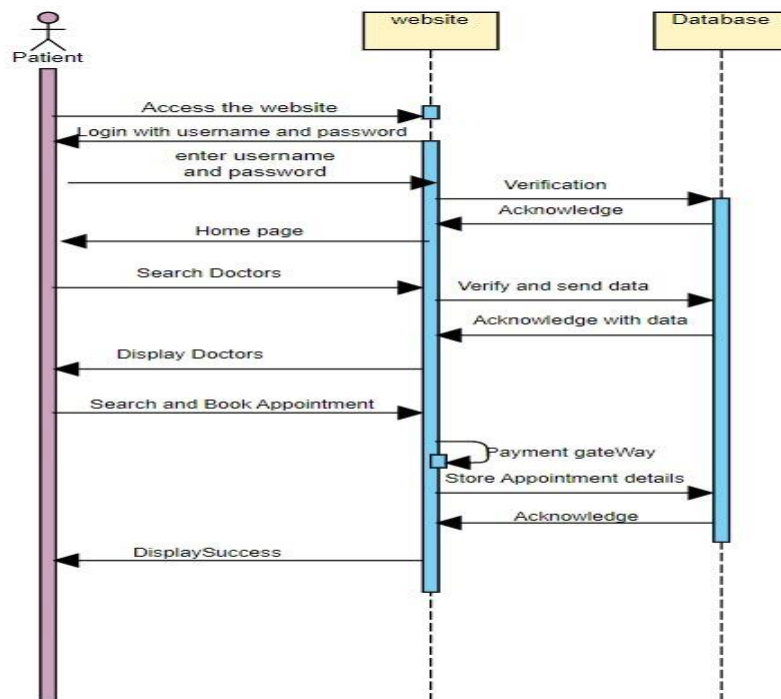
Sequence diagram for admin login



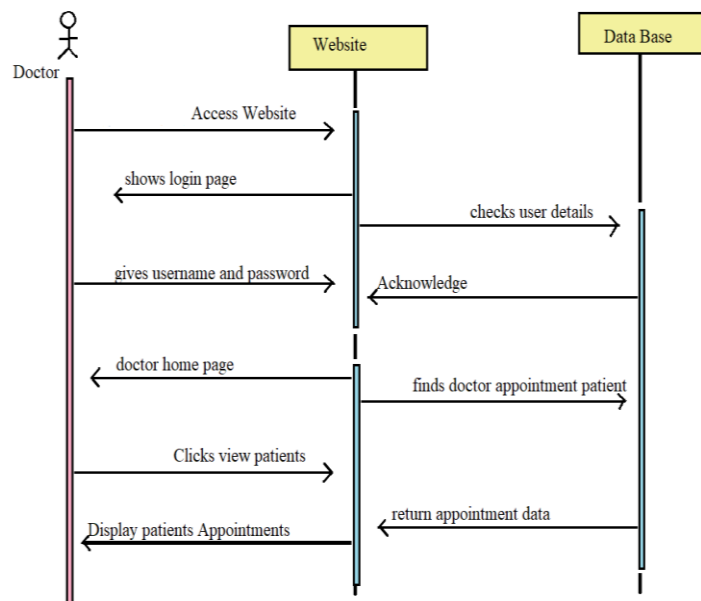
Sequence diagram for doctor/ registration



Sequence diagram for patient's Dashboard

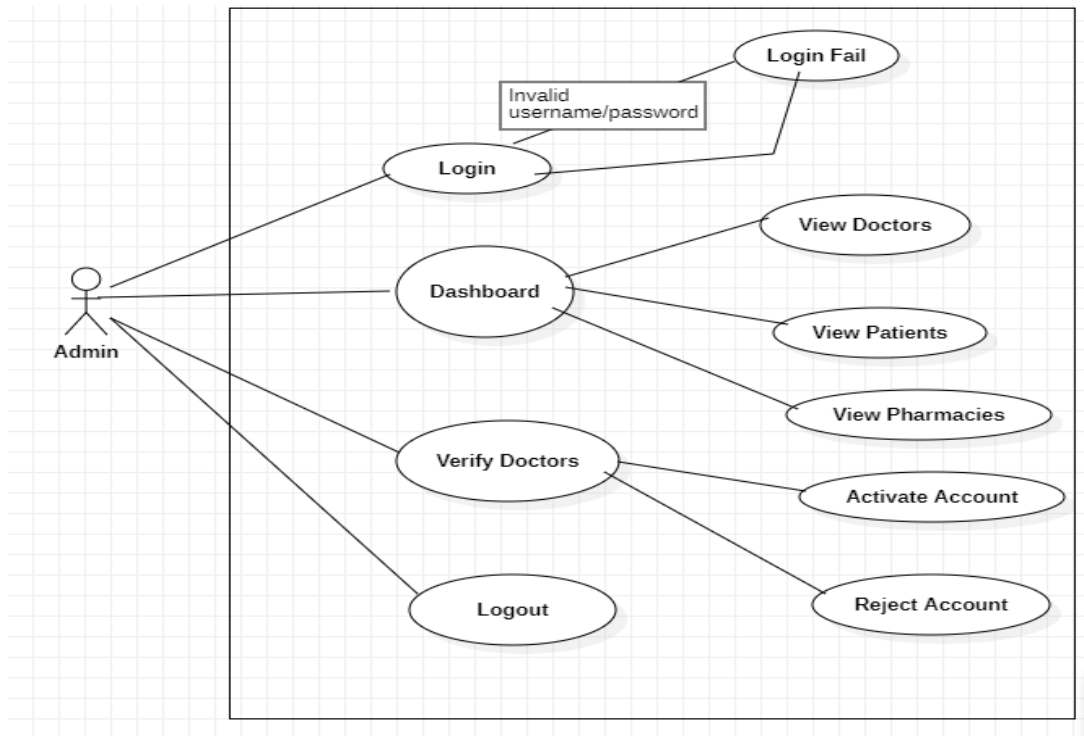


Sequence diagram for Doctor's Dashboard

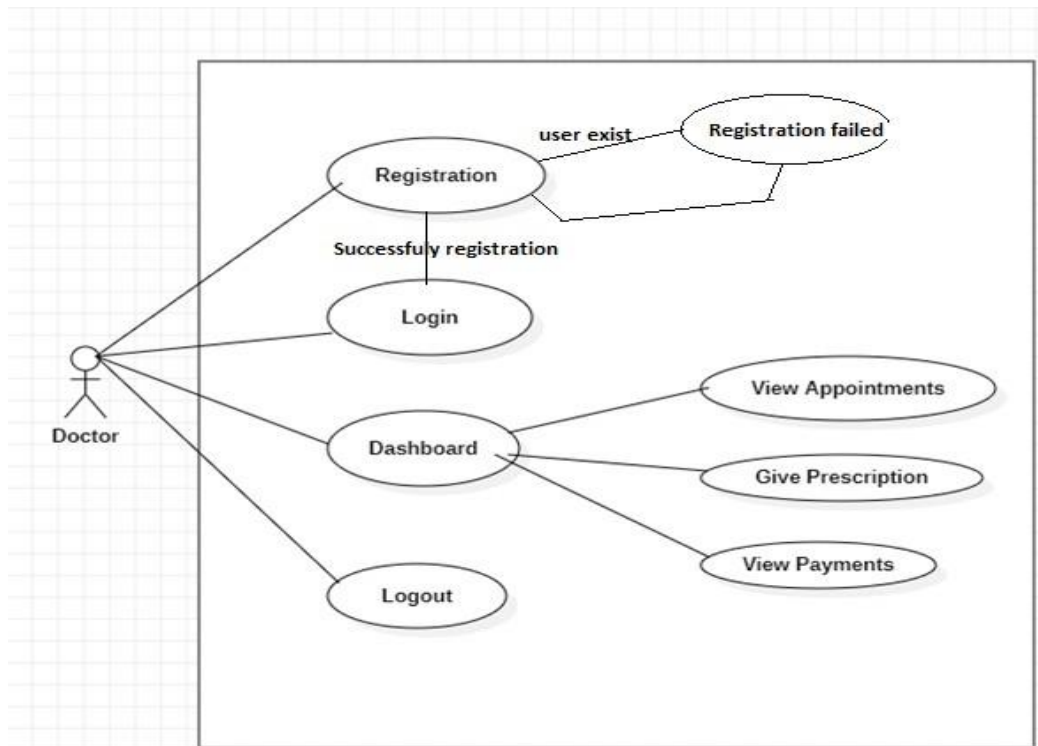


Use case diagram – one normal case and one error case should be included.

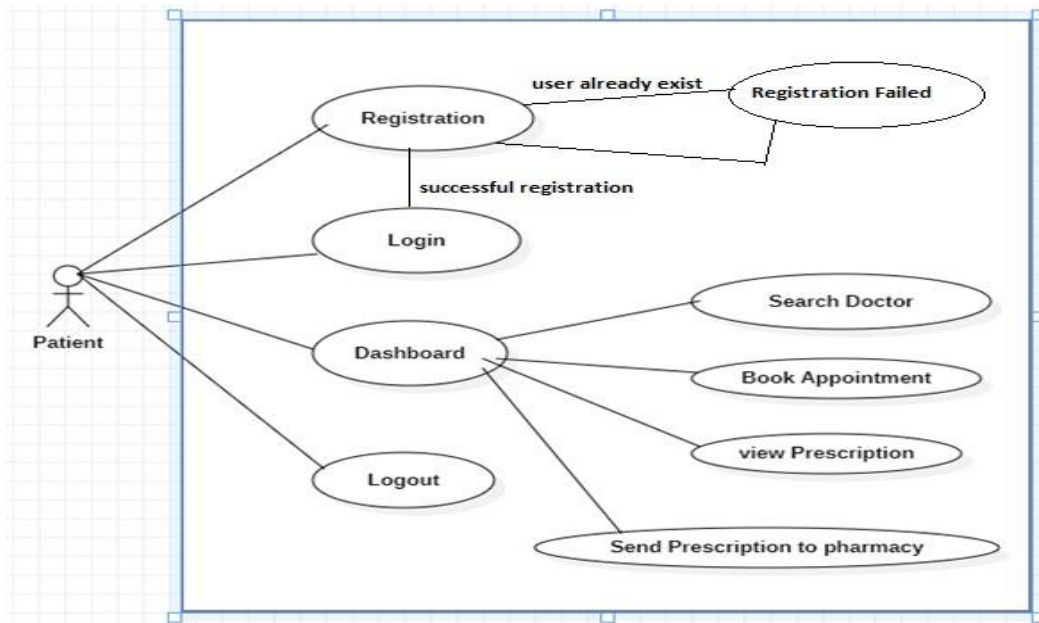
Use case diagram for Admin



Use case diagram for doctor Dasboard



Use case diagram for patient Dashboard



c) **Test Cases (unit tests) for phase 2:**

List a set of test cases used for testing the working program including descriptions of tests (e.g., what functionality they test, and inputs/outputs for them).

| Step No | Test Case | Step Description | Expected Output | Actual Output | Result |
|---------|-----------------------|--|-------------------------|-------------------------|---------|
| 1. | Installing Eclipse | Installing Eclipse | Installed | Installed | Success |
| 2. | Source Code Execution | Source Code Execution | Executed | Executed | Success |
| 3. | Home Page Login | Home Page Login | Home Page Login | Home Page Login | Success |
| 4. | Admin Login | Enter username, password | Successfully login | Successfully login | Success |
| 5 | Doctor Registration | Enter doctor details like name, hospital name, mobile,email, password, address, state, city, timings, consultation fee | Successfully Registered | Successfully Registered | Success |

| | | | | | |
|----|----------------------|---|------------------------------|------------------------------|---------|
| 6 | Doctor Login | Enter email, password correct | Successfully login | Successfully login | Success |
| 7 | Patient Registration | Enter patient details like name, address mobile, email,password | Successfully Registered | Successfully Registered | Success |
| 8 | Patient Login | Enter email, password correct | Successfully login | Successfully login | Success |
| 9 | Search doctor | Enter symptoms or medical area. | Shows the available doctors. | Shows the available doctors. | success |
| 10 | Book Appointment | Select doctor, enter symptoms and details. | Booked successfully | Booked successfully | success |
| 11 | Payment Fee | Enter card details and make payment. | Booked successfully | Booked successfully | Success |
| 12 | Add Feedback | Enter the comment and give the rating. | Submitted Feedback | Submitted Feedback. | Success |
| 13 | View Feedback | Enter the username and password. | View feedback | View feedback | Success |
| 14 | Doctor view patients | Go to Appointments. | Shows the appointments. | Shows the appointments. | Success |

d) A user manual that tells us how to install/use your program. This is meant for the end-user of the software. You may include screen shots, where appropriate.

a) The installation of the Eclipse IDE went well.

b) Used the Eclipse IDE to successfully develop a dynamic web project.

c) Designed and implemented the website's home page; the outcomes were apparent in the it works on a web browser

d) The admin login page's conception and execution mandated the input of a username and password whenever it was utilized. When the username and password are accurate, the admin dashboard or home page is shown. Logging in was successful. It led to the admin login screen once again when the username and password were incorrect.

e) The Eclipse IDE installation proceeded smoothly.

f) Successfully developed a dynamic web project using the Eclipse IDE.

g) Designed and implemented the home page of the website; the results were visible in the On a web browser, it functions.

h) The design and implementation of the admin login page required the entry of a username and password each time it was used. The admin dashboard or home page is displayed when the username and password are accurate. It was successful to log in. When the username and password were incorrect, it brought up the admin login screen once more.

i) After entering a username and password on the patient login page, the user is successfully

sent to the patient's home page or dashboard.

j) If you login into the doctor's dashboard then we have to click on the appointments section there it shows the patients appointments, symptoms and information of the patient.

k) If you login into the patient's dashboard then we can see the profile and book an appointment option where we have to click the book an appointment. We can see the search icon where we can search the symptoms or area of the specialist in medical field then it shows the doctor's information i.e., doctor name, area of specialization, appointment fees, etc. Then we select the doctor and book an appointment by giving the card details then it makes the payment. After completion of the appointment the patient can give the feedback of the doctor. That feedback goes to the admin and doctor.

l) If you login into the admin it shows the action in the website like feedback and doctor's appointment.

Home

localhost:8080/OnlineDoctorAppointmentConsultation/doctor/doctor_home.jsp

Dell

Other favorites

DOCTOR Online Doctor Appointment & Consultation System

Home Appointments Logout

Doctor Home Page

Online Doctor Appointment System

Simplify the way to Book Doctor Appointment

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Doctors

localhost:8080/OnlineDoctorAppointmentConsultation/admin/view_doctors.jsp

Dell

Other favorites

DOCTOR Online Doctor Appointment & Consultation System

Home Doctors Patients Logout

Doctors..

Show 10 entries

Search:

| doctorid | name | hospitalname | address | state | city | qualification | specialization | experiance | mobile | email | doctorphoto |
|----------|----------|--------------|--|-------|--------|---------------|----------------|------------|------------|--------------------|-------------|
| 3 | Manvitha | ABC | 2320 west prairie street, center stage apartment-103 | Texas | Denton | Cardiologist | Cardiologist | 5 | 9408433065 | manvitha@gmail.com | |
| 14 | sreeja | xyz | W oak street | texas | denton | dermatology | dermatologist | 3 | 9408433064 | sreeja@gmail.com | |

Showing 1 to 2 of 2 entries

Previous 1 Next

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Patients

localhost:8080/OnlineDoctorAppointmentConsultation/admin/view_patients.jsp

DOCTOR *Online Doctor Appointment & Consultation System*

Home Doctors Patients Logout

Patients

Show 10 entries

Search:

| patientid | name | address | mobile | email | registerdate |
|-----------|---------|------------|------------|----------------------|--------------|
| 1 | Meghana | Texas | 9408433064 | megha@gmail.com | 2022-11-07 |
| 3 | Anirudh | oak street | 9402874832 | anirdhgade@gmail.com | 2022-11-07 |

Showing 1 to 2 of 2 entries

Previous 1 Next

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Home

localhost:8080/OnlineDoctorAppointmentConsultation/admin/admin_home.jsp

DOCTOR *Online Doctor Appointment & Consultation System*

Home Doctors Patients Logout

Admin Home Page



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Browser window showing the login page of the Online Doctor Appointment & Consultation System. The URL is localhost:8080/OnlineDoctorAppointmentConsultation/adminlogin.jsp?msg=Invalid%20username/password. The page features a header with the system name and navigation links (Home, About, Contact, Logins). The main content area displays an "Admin Login" form with fields for Username (meghana@gmail.com) and Password (masked). A "Sign In" button is present. Below the form, a message states "Invalid Username/Password". The background image shows a hand holding a stethoscope over a heart rate monitor.

Browser window showing the "About" page of the Online Doctor Appointment & Consultation System. The URL is localhost:8080/OnlineDoctorAppointmentConsultation/about.jsp. The page features a header with the system name and navigation links (Home, About, Contact, Logins). The main content area includes the title "Online Doctor Appointment System" and a section "About Project Details". The text describes the system's purpose: to simplify the work and time of doctors, users, and pharmacies by allowing online appointments and consultations. It mentions that doctors can register and post their profiles, and users can book appointments. The system also handles online payments and prescriptions. Two diagrams illustrate the system's workflow: one showing a doctor's profile and appointment booking, and another showing a user interacting with a doctor via a mobile app and a laptop.

localhost:8080/OnlineDoctorAppointmentConsultation/contact.jsp



ONLINE DOCTOR APPOINTMENT & CONSULTATION SYSTEM

Home About Contact Logins

Online Doctor Appointment System

Contact Form


| |
|---------------|
| Name |
| Email |
| Mobile Number |
| Subject |
| Message |

140 characters left

Submit Form

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localhost:8080/OnlineDoctorAppointmentConsultation/home.jsp



ONLINE DOCTOR APPOINTMENT & CONSULTATION SYSTEM

Home About Contact Logins

Admin
Doctor
Patient

Online Doctor Appointment System

Online Doctor Appointment and Consultation System is a web application used by doctors, users and pharmacies. Doctors can register in this website and post their profile such as expertization, experience, address, timings, fee details etc. This web site allows the users to book an appointment for consultation online or offline for a doctor regarding their health problems. Users after selection of a doctor in the web site the system ask the consultation fee and the payment will be performed online which is transferred to the doctors account. If the consultation is online then the doctor after consultation sends medicine prescription to the user account in the website and users can directly send same prescription of medicine to the pharmacies who already registered in the website which are nearest to user and pharmacies delivers medicines to the user door steps. This project Online Doctor Appointment and Consultation System aims to develop an application which simplifies the work and time of doctors, users and pharmacies.



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Home

localhost:8080/OnlineDoctorAppointmentConsultation/patient/patient_home.jsp

DOCTOR **Online Doctor Appointment & Consultation System**


Home Profile Appointment History Feedbacks Logout

search doctor Search



Doctor Name:Manvitha
Hospital Name:ABC
Address:2320 west prairie street, center stage apartment-103,Denton,Texas
Qualification:Cardiologist
Specilization:Cardiologist Experience:5
Fee:200 **OpenTime:**10.00 **CloseTime:**5.00

Book Appointment



Doctor Name:sreeja
Hospital Name:xyz
Address:W oak street,denon,texas
Qualification:dermatology
Specilization:dermatologist Experience:3
Fee:60 **OpenTime:**10.00 **CloseTime:**5.00

Book Appointment

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History

localhost:8080/OnlineDoctorAppointmentConsultation/patient/appointment_history.jsp

DOCTOR **Online Doctor Appointment & Consultation System**

Home Profile Appointment History Feedbacks Logout

History..

Show 10 entries

Search:

| doctor | appointmentdate | symptoms | prescriptionfile | feedback |
|--|-----------------------|------------|------------------|---------------|
| Manvitha ABC 2320 west prairie street, center stage apartment-103,9408433065 | 2022-11-07 21:05:27.0 | heart pain | Download | Give Feedback |
| doctor | appointmentdate | symptoms | prescriptionfile | feedback |

Showing 1 to 1 of 1 entries

Previous 1 Next

Feedback

localhost:8080/OnlineDoctorAppointmentConsultation/patient/view_feedbacks.jsp

DOCTOR *Online Doctor Appointment & Consultation System*

Home Profile Appointment History Feedbacks Logout

Feedbacks..

Show entries

Search:

| date | doctor | feedback | rating |
|------------|---|-------------------|--------|
| 2022-11-07 | Manvitha ABC 2320 west prairie street, center stage apartment:-103,9408433065 | good consultation | 5 |
| date | doctor | feedback | rating |

Showing 1 to 1 of 1 entries

Previous Next

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
Home

localhost:8080/OnlineDoctorAppointmentConsultation/patient/patient_home.jsp?search=dermatologist&submit=Search#

DOCTOR *Online Doctor Appointment & Consultation System*

Home Profile Appointment History Feedbacks Logout

search doctor



Doctor Name:sreeja
Hospital Name:xyz
Address:W oak street,denton,texas
Qualification:dermatology
Specilization:dermatologist Experience:3
Fee:50 **OpenTime:**10.00 **CloseTime:**5.00


Home

localhost:8080/OnlineDoctorAppointmentConsultation/patient/patient_home.jsp

DOCTOR **Online Doctor Appointment & Consultation System**


Home Profile Appointment History Feedbacks Logout

search doctor Search



Doctor Name:Manvitha
Hospital Name:ABC
Address:2320 west prairie street, center stage apartment-103,Denton,Texas
Qualification:Cardiologist
Specilization:Cardiologist Experience:5
Fee:200 **OpenTime:**10.00 **CloseTime:**5.00

Book Appointment



Doctor Name:sreeja
Hospital Name:xyz
Address:W oak street,denon,texas
Qualification:dermatology
Specilization:dermatologist Experience:3
Fee:60 **OpenTime:**10.00 **CloseTime:**5.00

Book Appointment


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Login

localhost:8080/OnlineDoctorAppointmentConsultation/patient_login.jsp?msg=Invalid%20username/password

DOCTOR **ONLINE DOCTOR APPONTMENT & CONSULTATION SYSTEM**

Home About Contact Logins



E-Mail
sreeja@gmail.com

Password

Log in

[Create an account](#)

Invalid Username/Password

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The image displays two screenshots of a web application titled "Online Doctor Appointment & Consultation System".

Top Screenshot: Appointments Page

The browser address bar shows `localhost:8080/OnlineDoctorAppointmentConsultation/doctor/appointments.jsp`. The page features a navigation bar with "Home", "Appointments", and "Logout".

The main content area is titled "Appointments". It includes a "Show 10 entries" dropdown and a search bar. Below is a table with the following data:

| appointmentid | doctorid | patientid | appointmentdate | symptoms | prescriptionfile |
|---------------|----------|-----------|-----------------------|------------|--------------------------|
| 1 | 3 | 1 | 2022-11-07 21:05:27.0 | heart pain | Download |

Below the table, it says "Showing 1 to 1 of 1 entries". Navigation links "Previous" and "Next" are present, with "1" highlighted.

Bottom Screenshot: Profile Page

The browser address bar shows `localhost:8080/OnlineDoctorAppointmentConsultation/patient/patient_profile.jsp`. The page features a navigation bar with "Home", "Profile", "Appointment History", "Feedbacks", and "Logout".

The main content area is titled "Profile" with an edit icon. It displays patient information in a form:

| | |
|----------------|-----------------|
| Patient Id: | 1 |
| Name: | Meghana |
| Address: | Texas |
| Mobile: | 9408433064 |
| Email: | megha@gmail.com |
| Password: | Meghana |
| Register Date: | 2022-11-07 |

e) Clear instructions on how to compile/run both your program and your test cases (the program must compile/run).

- a. Download project repository from GitHub.
- b. Open Eclipse IDE
- c. Select File->import
- d. In the dialog box select Java Project.
- e. Click on Next
- f. Click on the browse button and select the path of the project folder and click on ok.
- g. Project added to Eclipse
- h. In the Web Content folder, double click on home .jsp so that it opens.
- i. Now click on run button on the toolbar.
- j. Output will be show in the Eclipse.
- k. Open the browser and give URL
- l. Go to logins and select the user i.e., admin, doctor and patient.
- m. After selecting the user login using the credentials and it opens the dashboards of interface.
 - If you login into the doctor's dashboard then we have to click on the appointments section there it shows the patients appointments, symptoms and information of the patient.
 - If you login into the patient's dashboard, then we can see the profile and book an appointment option where we have to click the book an appointment. We can see the search icon where we can search the symptoms or area of the specialist in medical field then it shows the doctor's information i.e., doctor name, area of specialization, appointment fees, etc. Then we select the doctor and book an appointment by giving the card details then it makes the payment. After completion of the appointment the patient can give the feedback of the doctor. That feedback goes to the admin and doctor.
 - If you login into the admin it shows the action on the website like feedback and doctor's appointment.

f) A section that briefly describes feedback received during the code inspection session and actions taken based on the feedback.

We have got a very good and positive response from all of the opposite team members.

We have shown our part of execution to the other team.

The other appreciated our project's interface and design, and also liked the way we arranged the modules.

The feedback we got from them is to change the format of the field names in the patient dashboard, as we mistakenly lowercased the first letter of the field name.

So, for this we have rectified the mistake and pushing the modified code in phase 2 source code.

The other suggestion they gave is to maintain a single login page for all the users instead of four different pages but what we thought is creating four different user pages would give a clear-cut idea and we can also use the images appropriately, which makes easy visual understand as well.

So, for this we are not going to make any changes.

g) A brief reflection on what has been accomplished, what went well and could be improved

So far, we have implemented the front end of the patient and doctor's dashboard along with the admin login page. In the Home Page, we will be home, about, contact us and users' page. We totally have the four users namely, admin, doctor, patient and pharmacy. Till date we have worked on the login page of admin, login and registration pages for doctor and patient. After that we have created the dashboards for doctor and patient pages. In the patient's page, the patient can search for doctors, book their appointment, enter the symptoms, and can pay through payment mode. And coming to the doctor's dashboard, doctor can view all the appointments he/she has. And after the appointment is done, the patient is redirected to the feedback page and can download their prescription from the site. The contact us is also given so that the user can send their queries to the admin. So far, everything went well but we need to improve in fastening the work.

TEAM MEMBER CONTRIBUTION TABLE:

| S.NO | NAME | CONTRIBUTION |
|------|-------------------------|--|
| 1 | Manvitha Chowdary Bandi | Deliverable-4 documentation, Created patients and doctors view JSP Code, Installation process. |
| 2 | Meghana Pentyala | Deliverable-4 documentation, created doctors home menu and doctors home JSP Code |
| 3 | Anirudh Reddy Gade | Patient Home menu, Patient home page JSP Code, Deliverable-4 documentation . |
| 4 | Vagdevi Gudapati | Admin home, Admin home menu JSP Code |

| | | |
|---|----------------------------|---|
| 5 | Sreeja Reddy Chilligireddy | Appointments, Patient History JSP Code, Meeting Minutes |
| 6 | Mukunda Priya Rachamalla | Patient Profile Edit Code, Patients Profile JSP Code. |
| 7 | Sai Vamsi Krishna Kadiyala | Updated the Database, created the feedback page JSP Code. |
| 8 | Vaishnavi Gawni | Book Appointment Code , Installation process. |