Misr University for Science & Technology
College of Information Technology

CS341

Project Title: Movies Recommendation System

Team Members

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Doaa Taha abdelhamed - 89617

Supervised by:

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T.A Ayman S. Abdelaziz

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System Domain

A hospital management system is a structured computerized system designed and programmed to handle the day-to-day operations and management of hospital activities. The program can care for inpatients and outpatients, records, database treatments and disease status. It also keeps hospital information such as responsible doctors and department management. The main problem that the patient faces nowadays is to get a report after the consultation, many hospital management reports are in their system but it is not available to the patient when he/she is abroad. In this project, we will provide the additional facility to store the report in the database and make it available.

The hospital management system of the project includes registering patients and storing their data in the system. The software has a facility to give a unique identifier to each patient and stores the details of each patient and staff automatically. User can search for doctor availability and patient details using ID.

The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

A robust, flexible and easy to use hospital management system, it has been designed and developed to deliver real, conceivable benefits to hospitals. Hospital Management System is designed for multispecialty hospitals, to cover a wide range of hospital administration and management processes. It is an integrated hospital management system that provides relevant information across the hospital to support effective decision making for patient care and hospital management.

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System Actors

Term	Definition
Manager	A person who has a full control on the web application
System User	The person who controls adding and accessing patient and doctor data
Patient	The person who want to get treated and he can access only on his data
Doctor	The person who treated and he can access on his data and the patient's data

Functional Requirements

REQ1- Doctors and patient can register on the system by system user.

REQ2- Doctors can add/edit their schedules.

REQ3- Doctors can find their patients and view/edit/add their medical records.

REQ4- Doctors can collect statistics regarding his patients.

REQ5- In the Emergency section the doctor can have access to view the blood bank and book a surgery room.

REQ6- Patients can add the doctor(s) they are following up with.

REQ7- Patients can view different services offered by the hospital.

REQ8- Patients can book appointments with doctors or specific services.

REQ9- Patients can find and pay the fees for the service he has.

REQ10- System user can check the availability of rooms/beds.

REQ11- System user can allocate room/bed to a patient.

REQ12- System user can transform a patient from one ward to another.

REQ13- The hospital manager can register on the system.

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REQ14- The hospital manager can delete/view staff from data.

REQ15- The hospital manager monitors the regularity of work in the hospital.

Non-Functional Requirements

REQ1-Security: Any user who uses the system shall have a Login ID and Password

REQ2-Reliability: (Availability) The system shall be available all the time.

REQ3-Portability: The System must be compatible with both Mobile and Computer devices, so it can be used and accessed at all times.

REQ4-Maintainability: (Back Up) The system shall provide the capability to back-up the Data (Errors) The system shall keep a log of all the errors.

REQ5-The software should have a response time of at most 100 ms.

REQ6-If the software fails for any reason, it should recover within 5 minutes.

REQ7-The project will have a limited budget of 50000.

REQ8-Follows all the applicable copyright laws.

REQ9- It shall be implemented in php.

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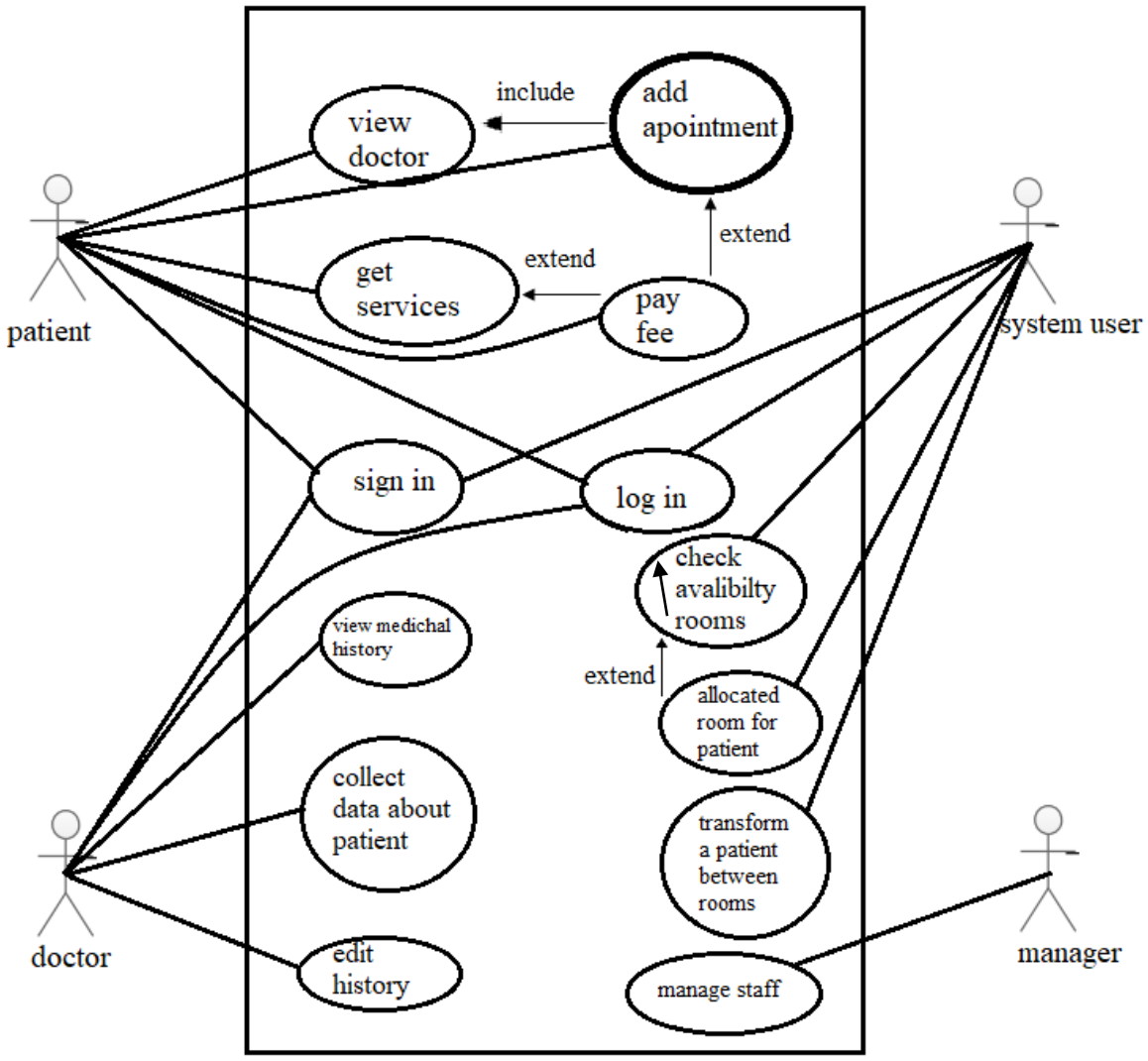
UML Diagrams

Use case Diagram:



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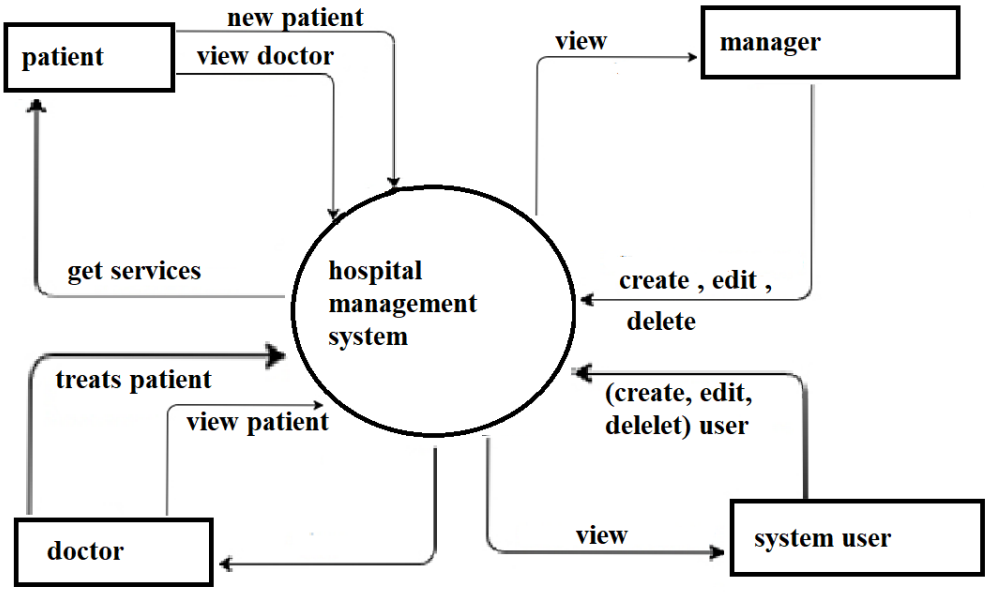
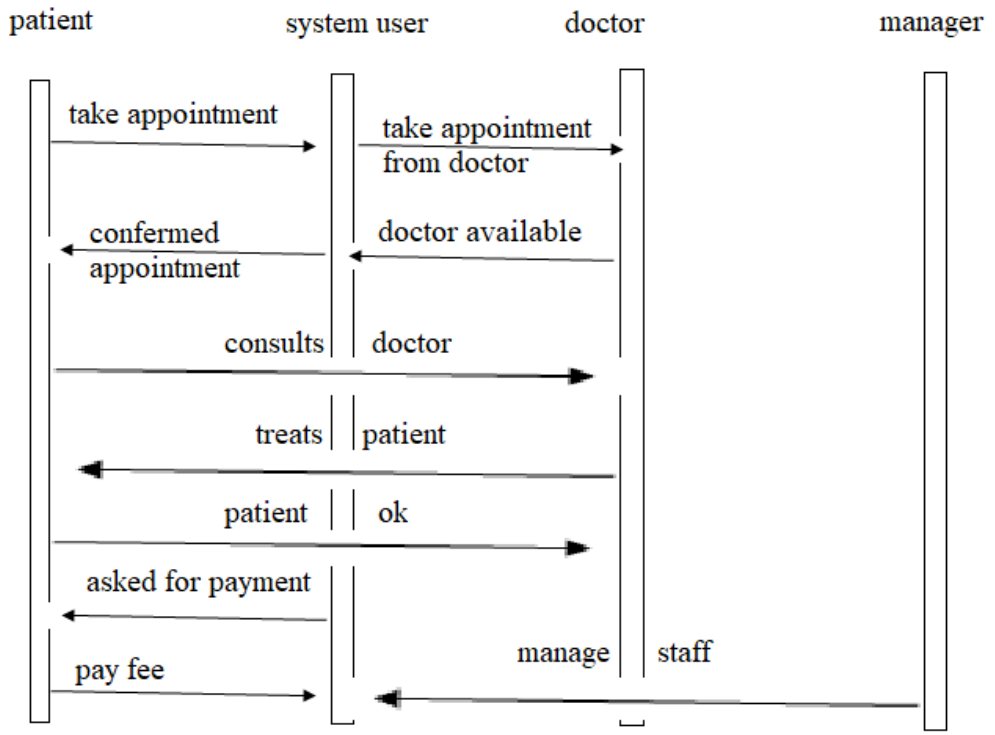
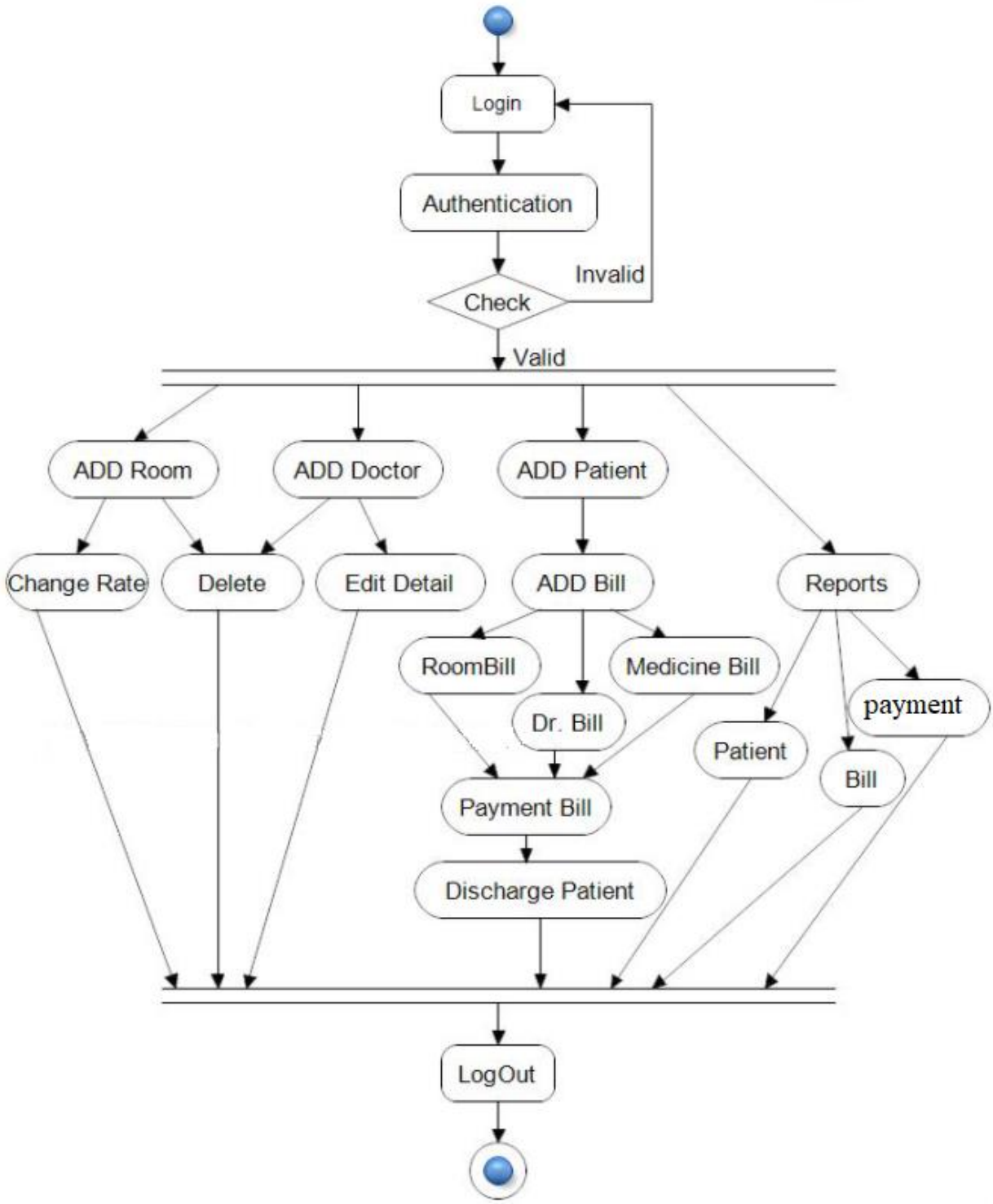
Context diagram:



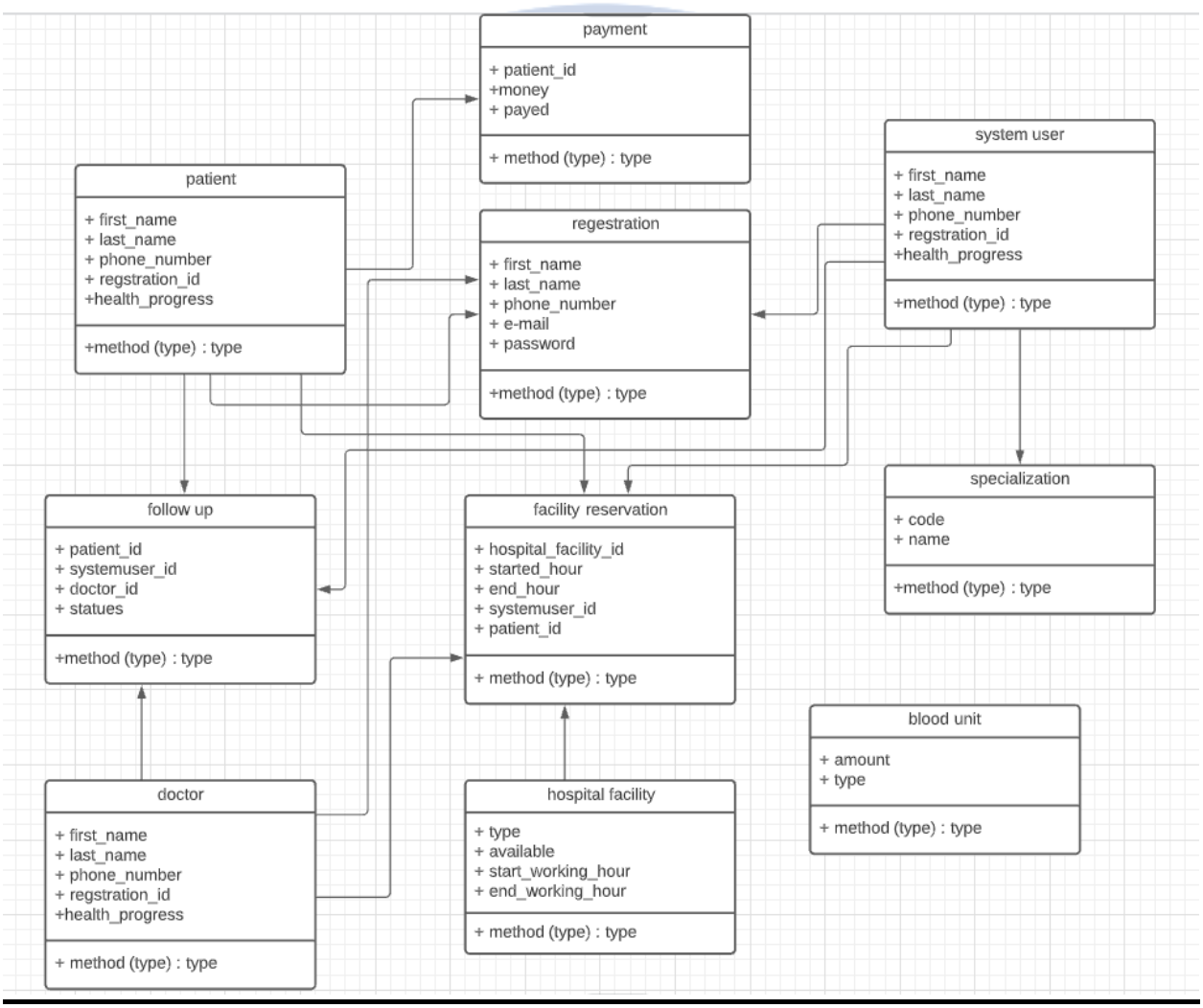
Sequence Diagrams:



Activity Diagram:



Class diagram:



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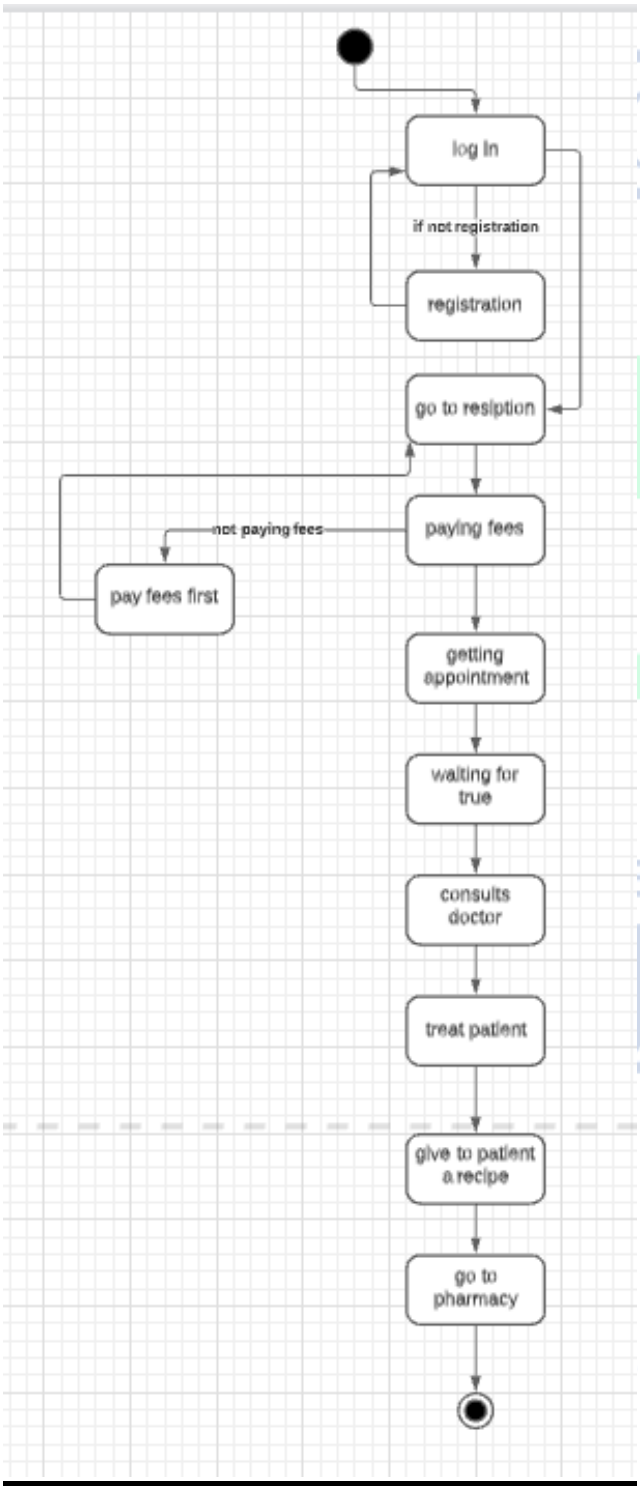
State diagram:



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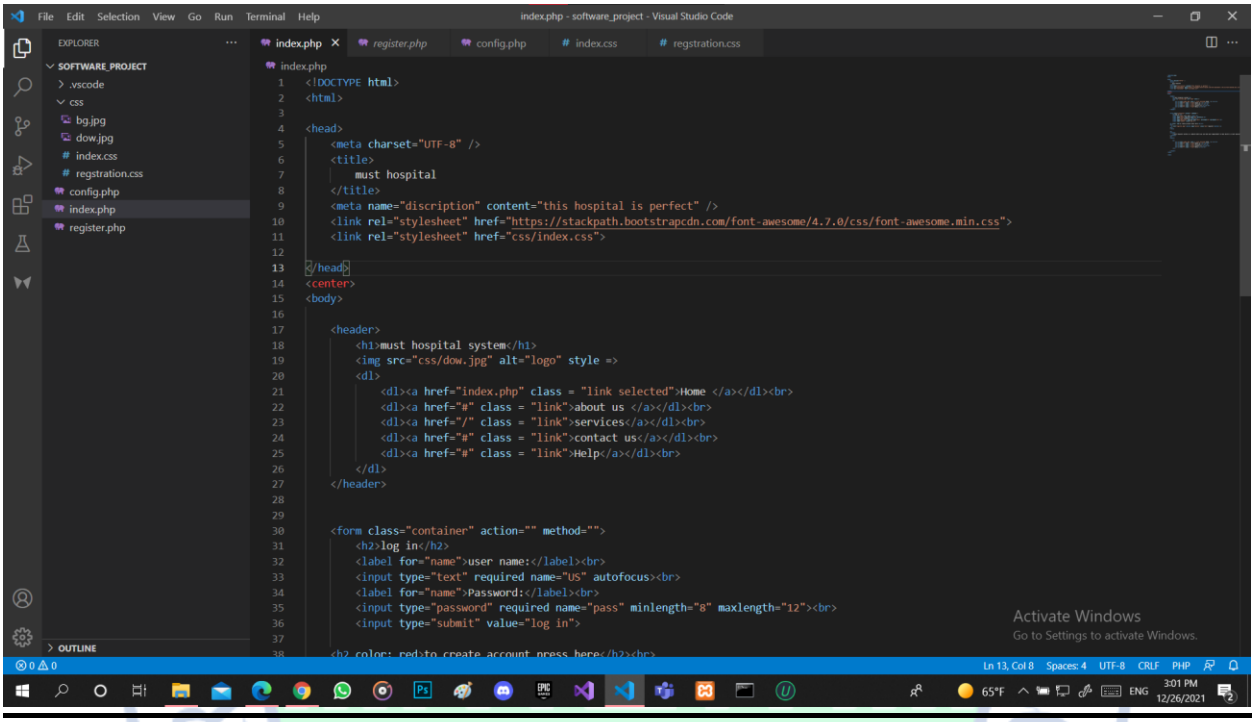
Code


File Edit Selection View Go Run Terminal Help
index.php - software_project - Visual Studio Code
EXPLORER
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index.css
regstration.css
config.php
index.php
register.php
OUTLINE
index.php
register.php
config.php
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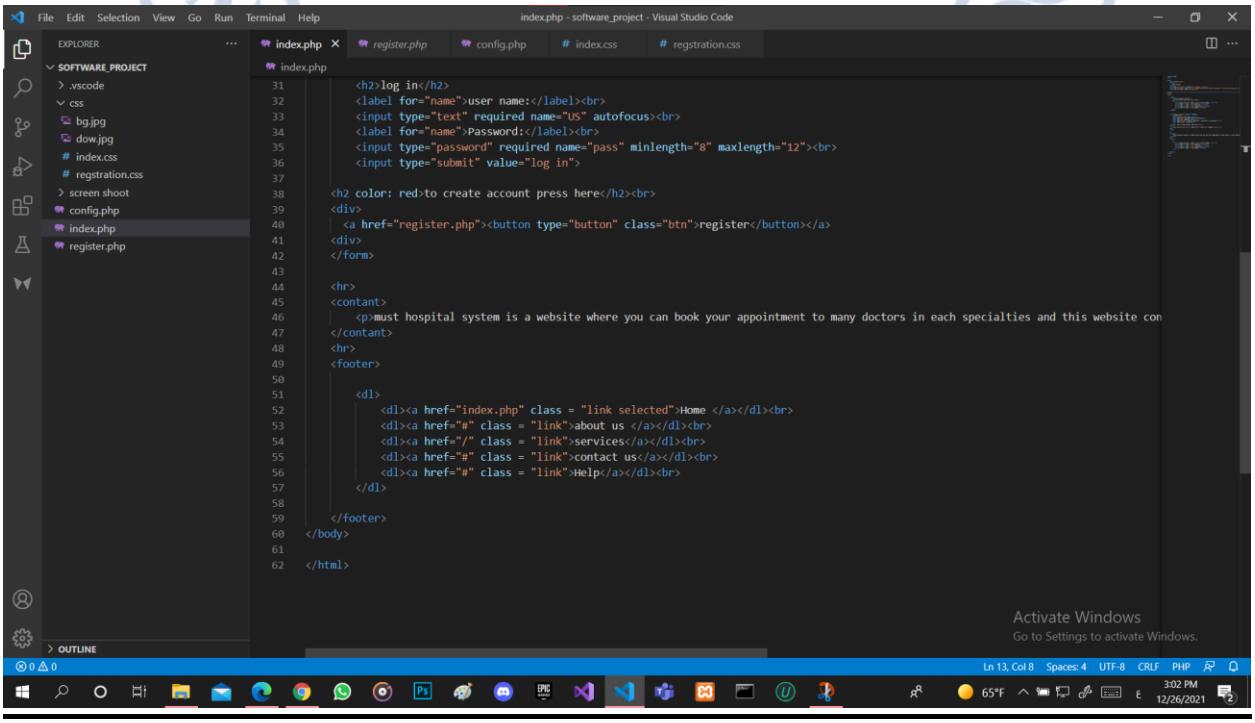
regstration.css
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<title>
must hospital
</title>
<meta name="discription" content="this hospital is perfect" />
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="css/index.css">
</head>

<body>
<header>
<h1>must hospital system</h1>
<img src="css/dow.jpg" alt="logo" style =>
<dl>
<dl><a href="index.php" class = "link selected">Home </a></dl>
<dl><a href="#" class = "link">about us </a></dl>
<dl><a href="/" class = "link">services</a></dl>
<dl><a href="#" class = "link">contact us</a></dl>
<dl><a href="#" class = "link">Help</a></dl>
</dl>
</header>
<form class="container" action="" method="">
<h2>log in</h2>
<label for="name">user name:</label>
<input type="text" required name="US" autofocus>
<label for="name">Password:</label>
<input type="password" required name="pass" minlength="8" maxlength="12">
<input type="submit" value="log in">
Activate Windows
Go to Settings to activate Windows.
Ln 13, Col 8 Spaces: 4 UTF-8 CRLF PHP
65°F ENG 3:01 PM 12/26/2021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regstration.css
<h2>log in</h2>
<label for="name">user name:</label>
<input type="text" required name="US" autofocus>
<label for="name">Password:</label>
<input type="password" required name="pass" minlength="8" maxlength="12">
<input type="submit" value="log in">
<h2 color: red>to create account press here</h2>

<a href="register.php"><button type="button" class="btn">register</button></a>

</form>
<hr>
<contant>
<p>must hospital system is a website where you can book your appointment to many doctors in each specialties and this website con
</contant>
<hr>
<footer>
<dl>
<dl><a href="index.php" class = "link selected">Home </a></dl>
<dl><a href="#" class = "link">about us </a></dl>
<dl><a href="/" class = "link">services</a></dl>
<dl><a href="#" class = "link">contact us</a></dl>
<dl><a href="#" class = "link">Help</a></dl>
</dl>
</footer>
</body>
</html>
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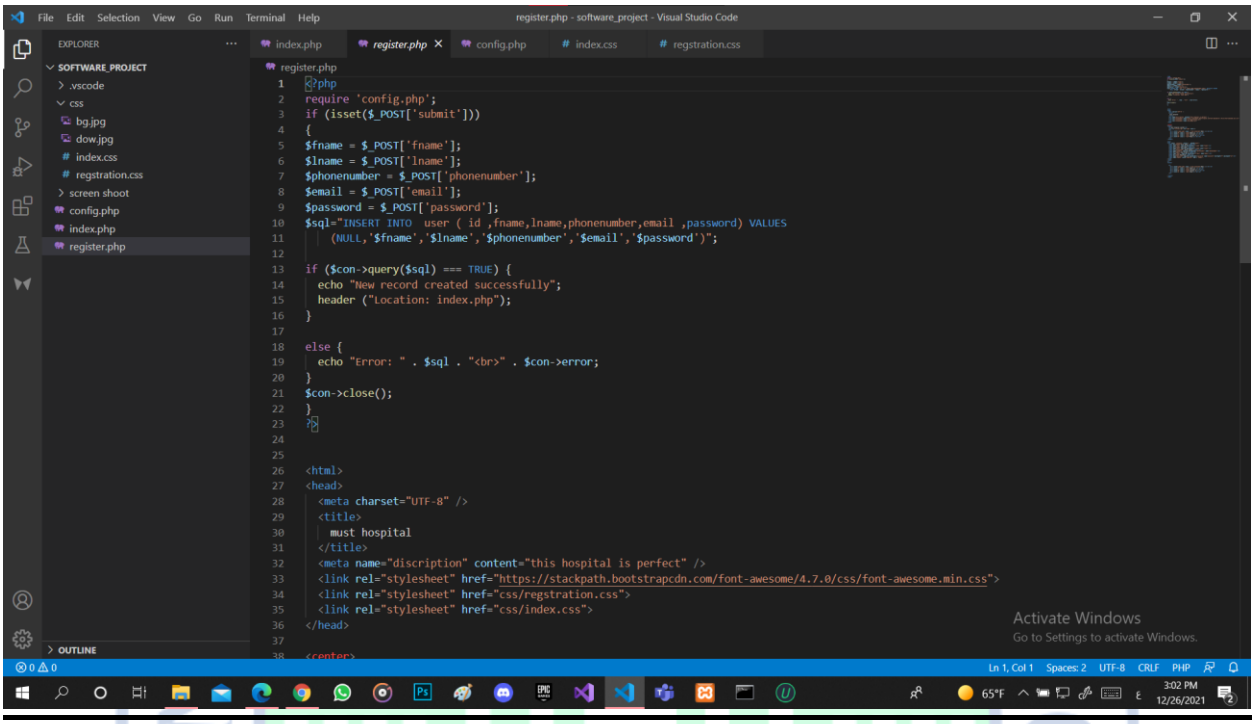

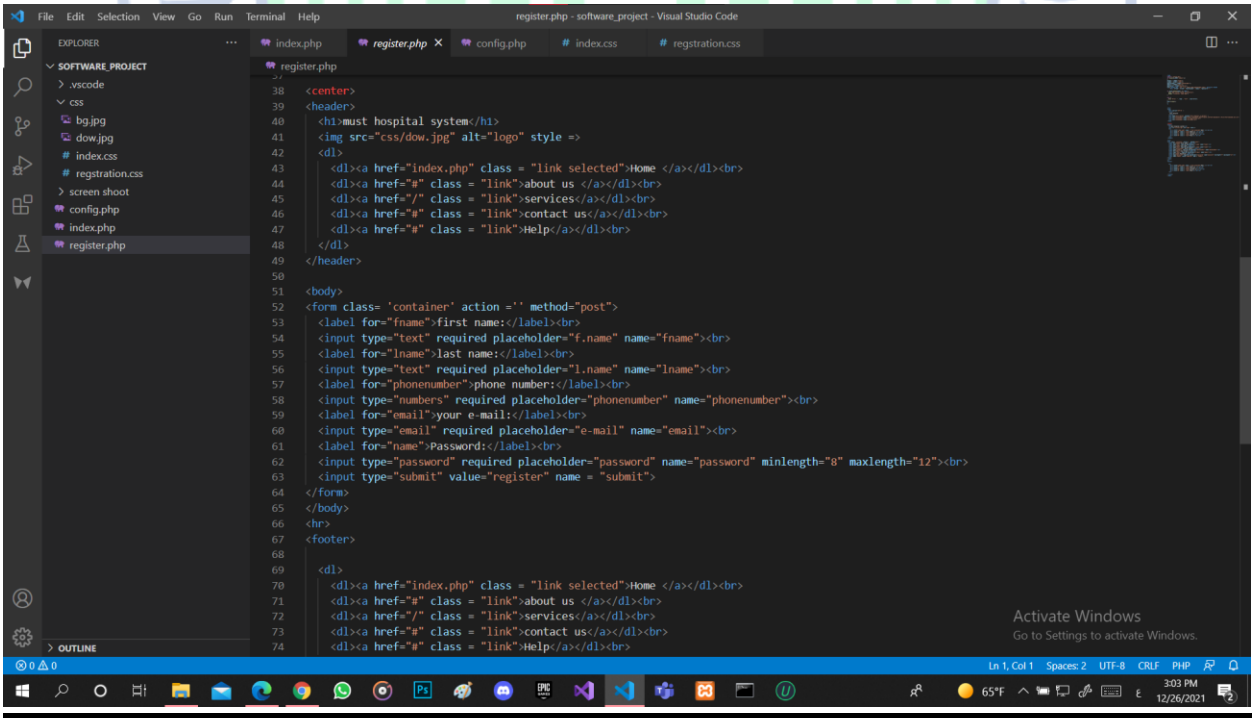

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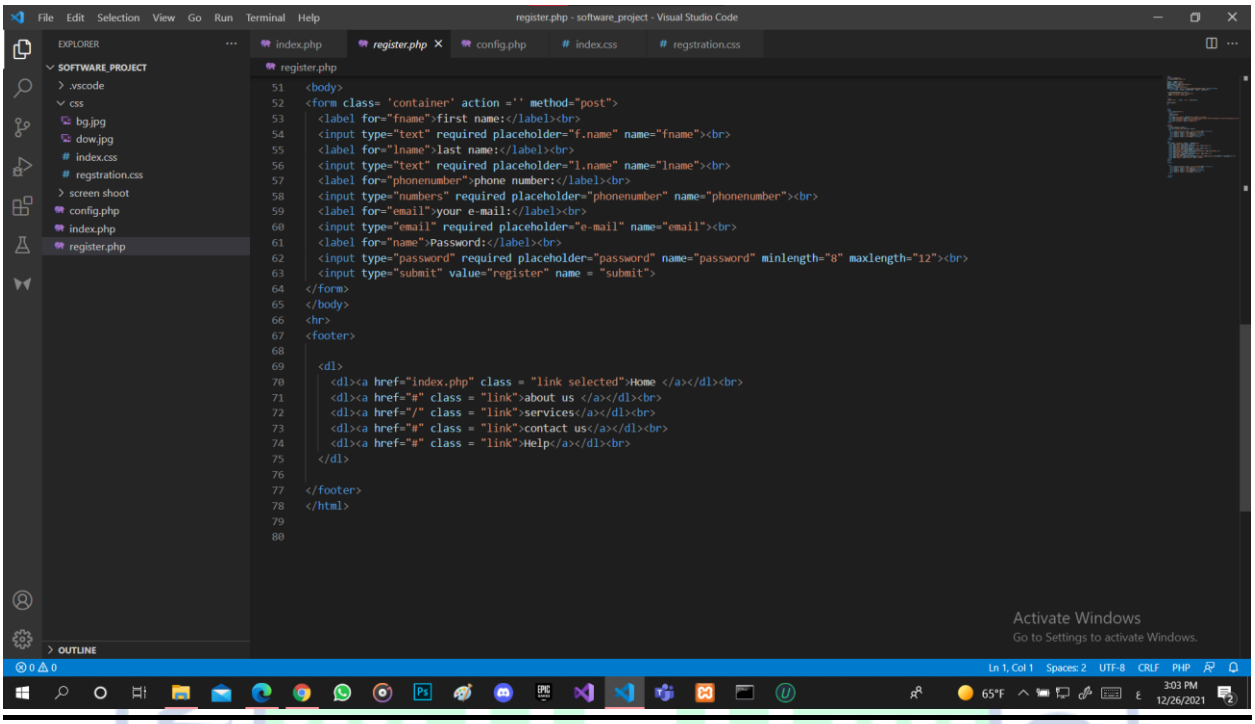
register.php - software_project - Visual Studio Code
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register.php
51 <body>
52 <form class= 'container' action ='' method="post">
53 <label for="fname">first name:</label>
54 <input type="text" required placeholder="f.name" name="fname">
55 <label for="lname">last name:</label>
56 <input type="text" required placeholder="l.name" name="lname">
57 <label for="phonenumber">phone number:</label>
58 <input type="numbers" required placeholder="phonenumber" name="phonenumber">
59 <label for="email">your e-mail:</label>
60 <input type="email" required placeholder="e-mail" name="email">
61 <label for="name">Password:</label>
62 <input type="password" required placeholder="password" name="password" minlength="8" maxlength="12">
63 <input type="submit" value="register" name = "submit">
64 </form>
65 </body>
66 <hr>
67 <footer>
68
69 <dl>
70 <dl><a href="index.php" class = "link selected">Home </a></dl>
71 <dl><a href="#" class = "link">about us </a></dl>
72 <dl><a href="/" class = "link">services</a></dl>
73 <dl><a href="#" class = "link">contact us</a></dl>
74 <dl><a href="#" class = "link">Help</a></dl>
75 </dl>
76
77 </footer>
78 </html>
79
80
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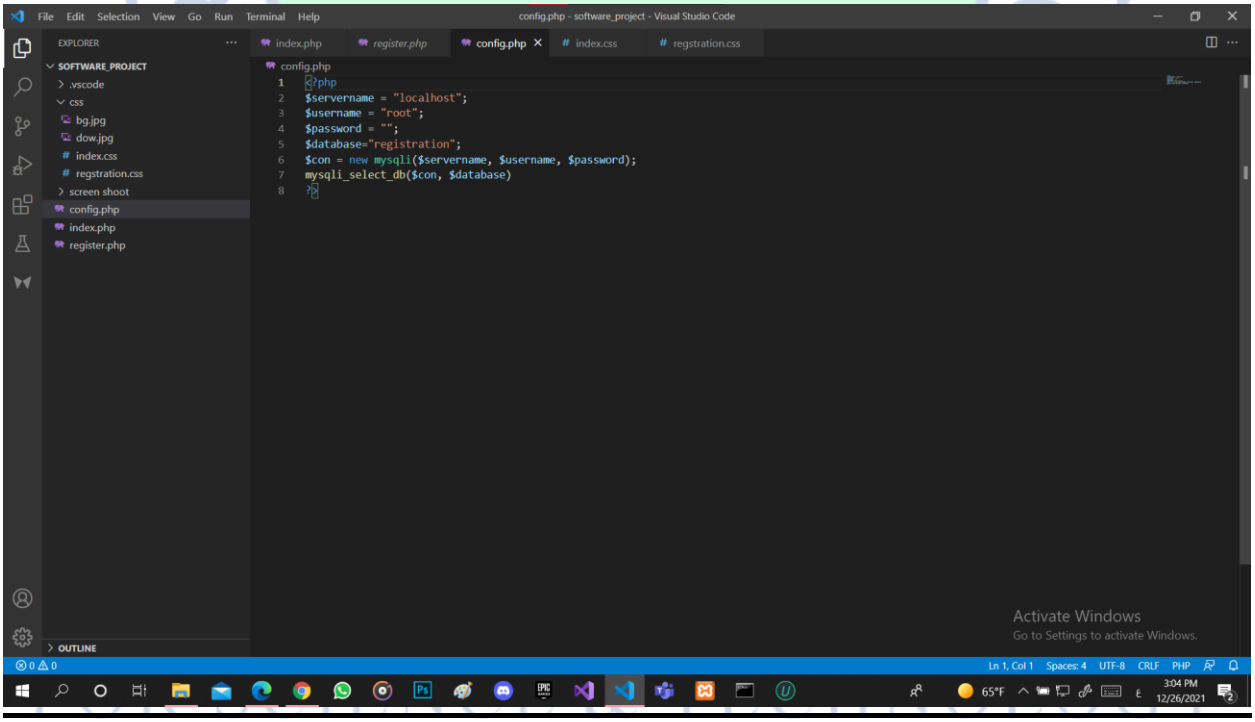
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config.php
1 <?php
2 $servername = "localhost";
3 $username = "root";
4 $password = "";
5 $database="registration";
6 $con = new mysqli($servername, $username, $password);
7 mysqli_select_db($con, $database)
8 ?>
Activate Windows
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Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP
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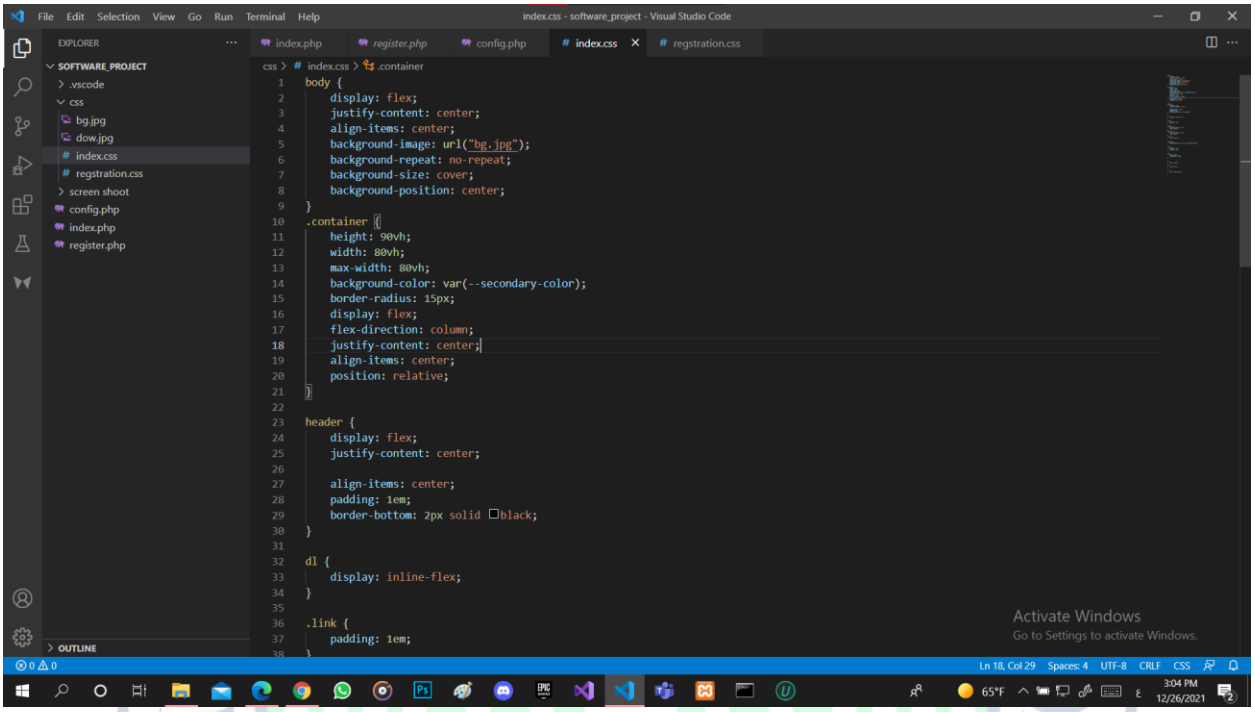
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register.php
index.php
register.php
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regstration.css
css > # index.css > .container
body {
display: flex;
justify-content: center;
align-items: center;
background-image: url("bg.jpg");
background-repeat: no-repeat;
background-size: cover;
background-position: center;
}
.container {
height: 90vh;
width: 80vh;
max-width: 80vh;
background-color: var(--secondary-color);
border-radius: 15px;
display: flex;
flex-direction: column;
justify-content: center;
align-items: center;
position: relative;
}
header {
display: flex;
justify-content: center;
align-items: center;
padding: 1em;
border-bottom: 2px solid black;
}
dl {
display: inline-flex;
}
.link {
padding: 1em;
}
OUTLINE
Activate Windows
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Ln 18, Col 29 Spaces: 4 UTF-8 CRLF CSS
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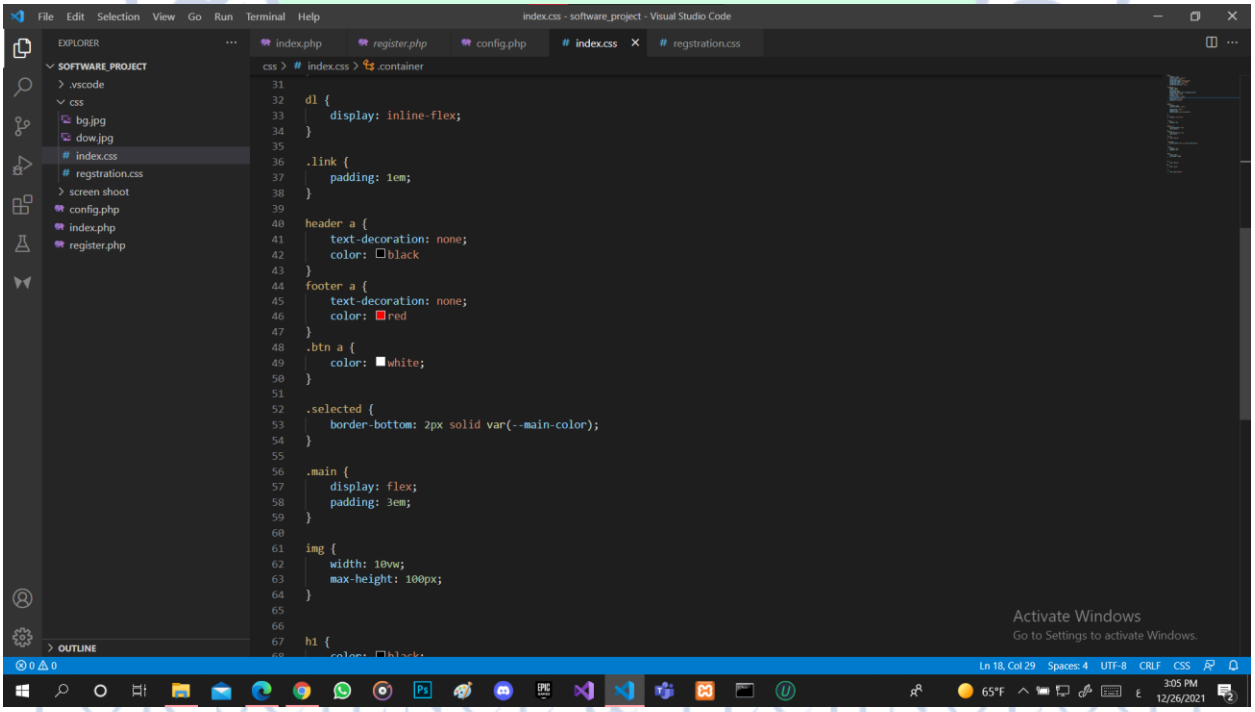
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index.php
register.php
index.php
register.php
config.php
index.css
regstration.css
css > # index.css > .container
dl {
display: inline-flex;
}
.link {
padding: 1em;
}
header a {
text-decoration: none;
color: black
}
footer a {
text-decoration: none;
color: red
}
.btn a {
color: white;
}
.selected {
border-bottom: 2px solid var(--main-color);
}
.main {
display: flex;
padding: 3em;
}
img {
width: 10vw;
max-height: 100px;
}
h1 {
OUTLINE
Activate Windows
Go to Settings to activate Windows.
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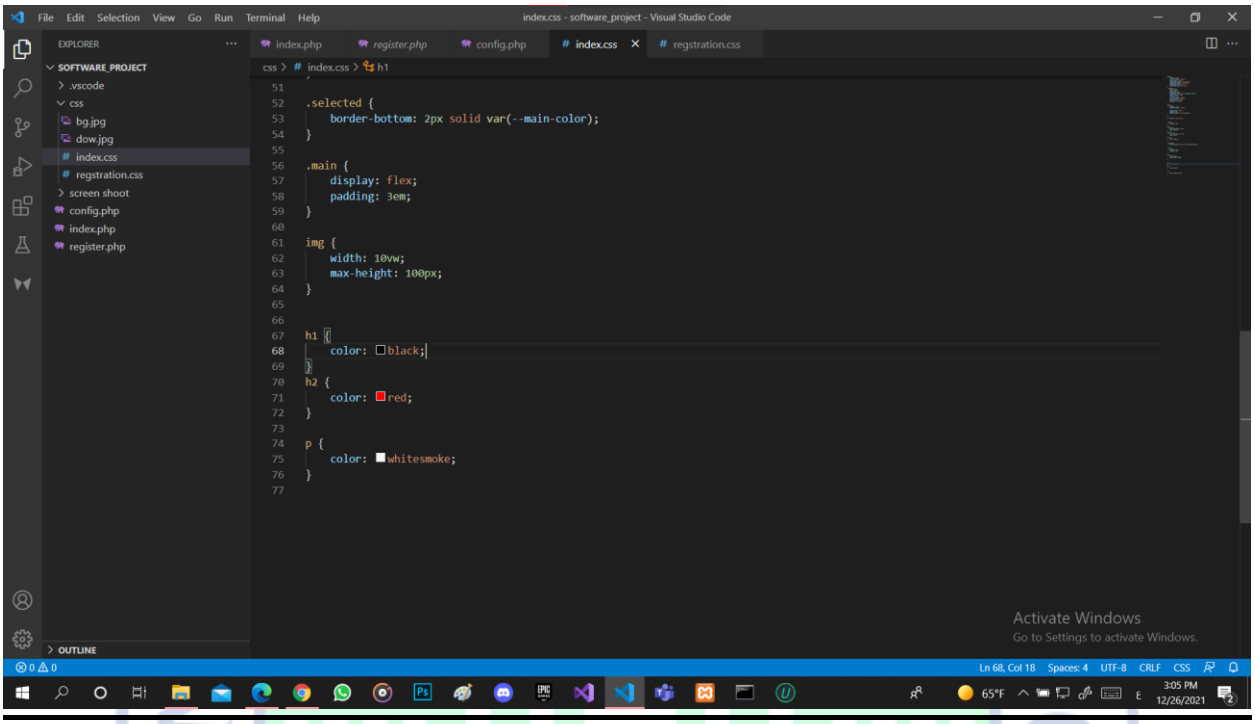

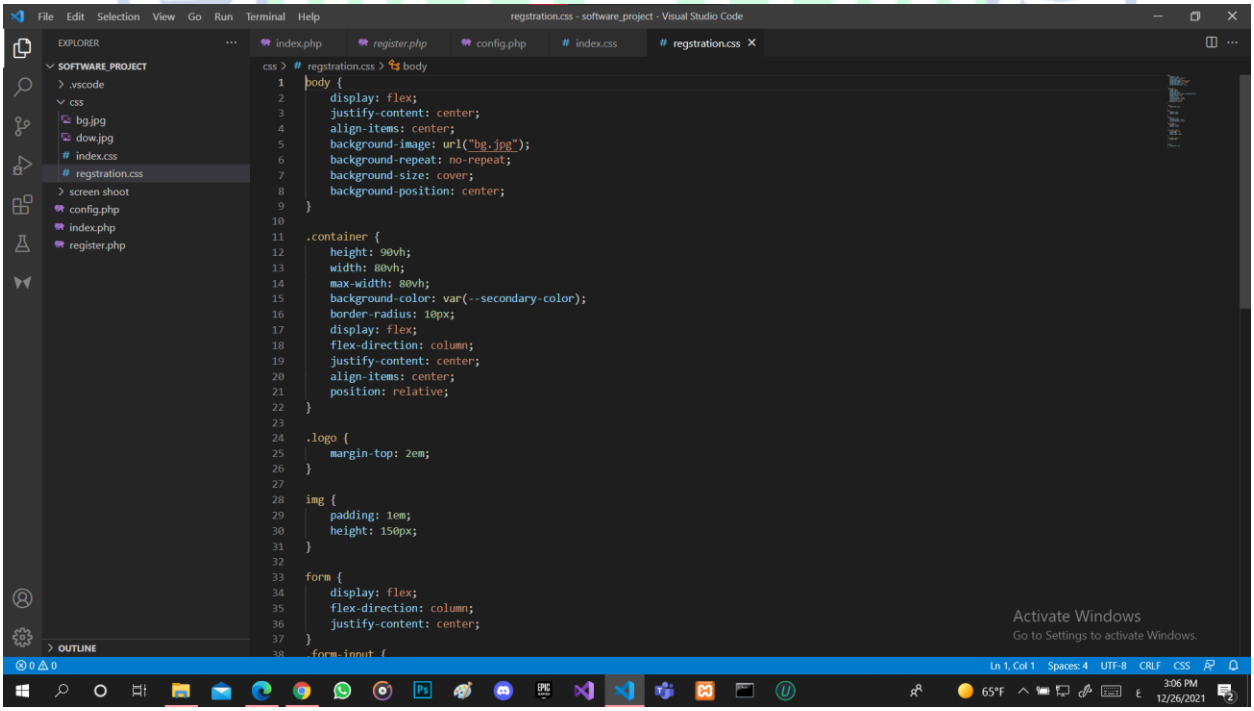

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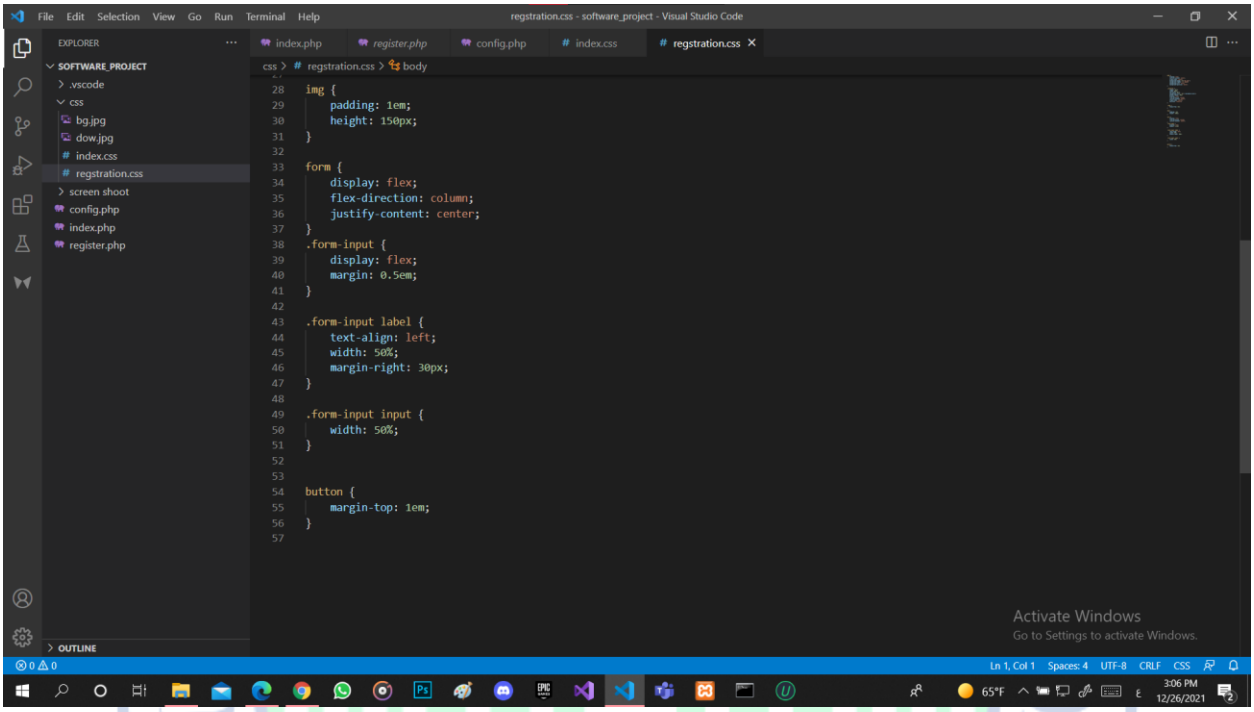
File Edit Selection View Go Run Terminal Help
regstration.css - software_project - Visual Studio Code
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config.php
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register.php
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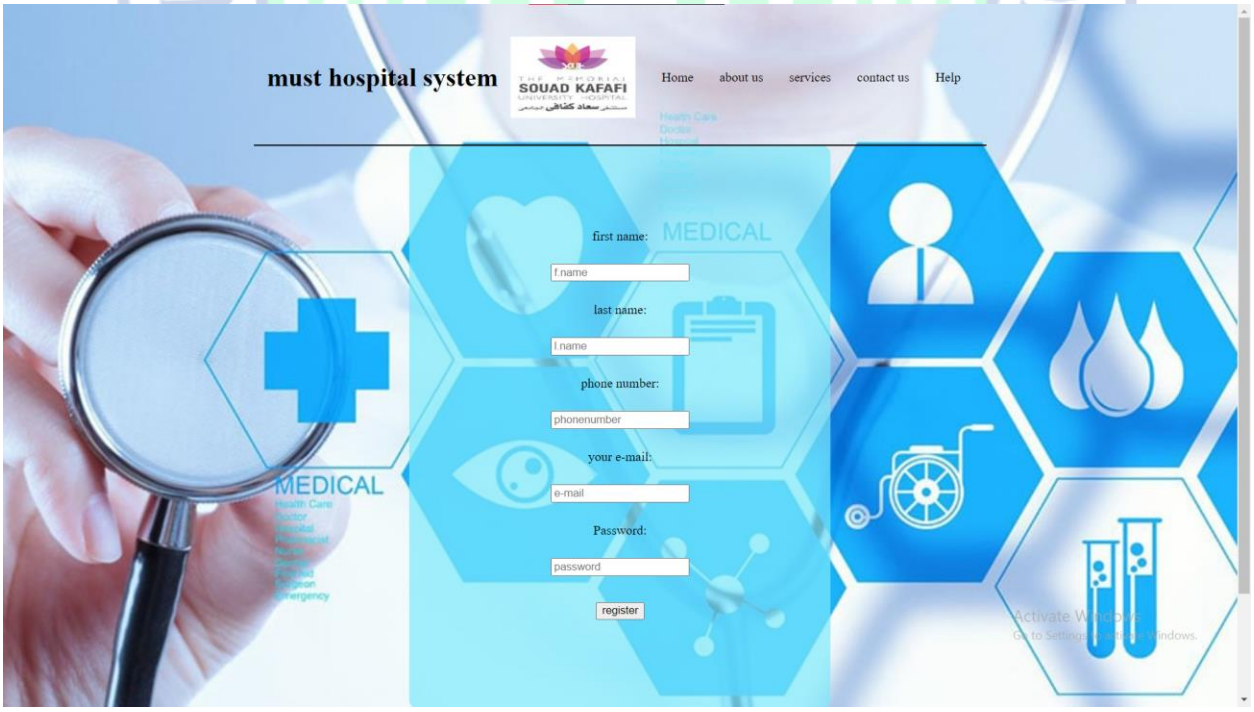
register.php
config.php
index.css
regstration.css
css > # regstration.css > body
img {
padding: 1em;
height: 150px;
}
form {
display: flex;
flex-direction: column;
justify-content: center;
}
.form-input {
display: flex;
margin: 0.5em;
}
.form-input label {
text-align: left;
width: 50%;
margin-right: 30px;
}
.form-input input {
width: 50%;
}
button {
margin-top: 1em;
}
OUTLINE
Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF CSS
65°F
3:06 PM
12/26/2021

must hospital system
Press F11 to exit full screen
SOUAD KAFAFI
Home
about us
services
contact us
Help
log in
user name:
Password:
log in
to create account press here
register
must hospital system is a web site where you can book your appointment to many doctors in each specialties and this website contain patient data and doctor data and doctor can access on patient data to know info. about him and treat him.
Activate Windows



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