



TERM PROJECT
Online Health Management System
DEPARTMENT OF COMPUTER SCIENCE
ITCS 6112
Software Systems Design and Implementation.

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a. Programming Languages:

- **Frontend** : HTML5, CSS3, JSP
- **Backend** : Servlets
- **Database** : JDBC, MySQL

b. Programs:

JDBC and Servlets Programs:

- BookAppointment.java
- Databaseconnection.java
- doctorDetails.java
- Hospitalmanagement.java
- Logout.java
- Patientdetails.java

CSS and JSP Programs:

- Homestyle.css
- Registration.css
- Bookappointment.jsp
- DoctorRegistration.jsp
- PatientDetails.jsp
- Login.jsp
- Logout.jsp
- Main.jsp
- PatientProfile.jsp
- SignUp.jsp
- Home.jsp
- Header.jsp
- Footer.jsp
- Navigation.jsp

c. Tools and environments:

- Eclipse IDE for Enterprise Java Applications
- MySQL Workbench
- Apache Tomcat 9.0

d. Database System and Tables:

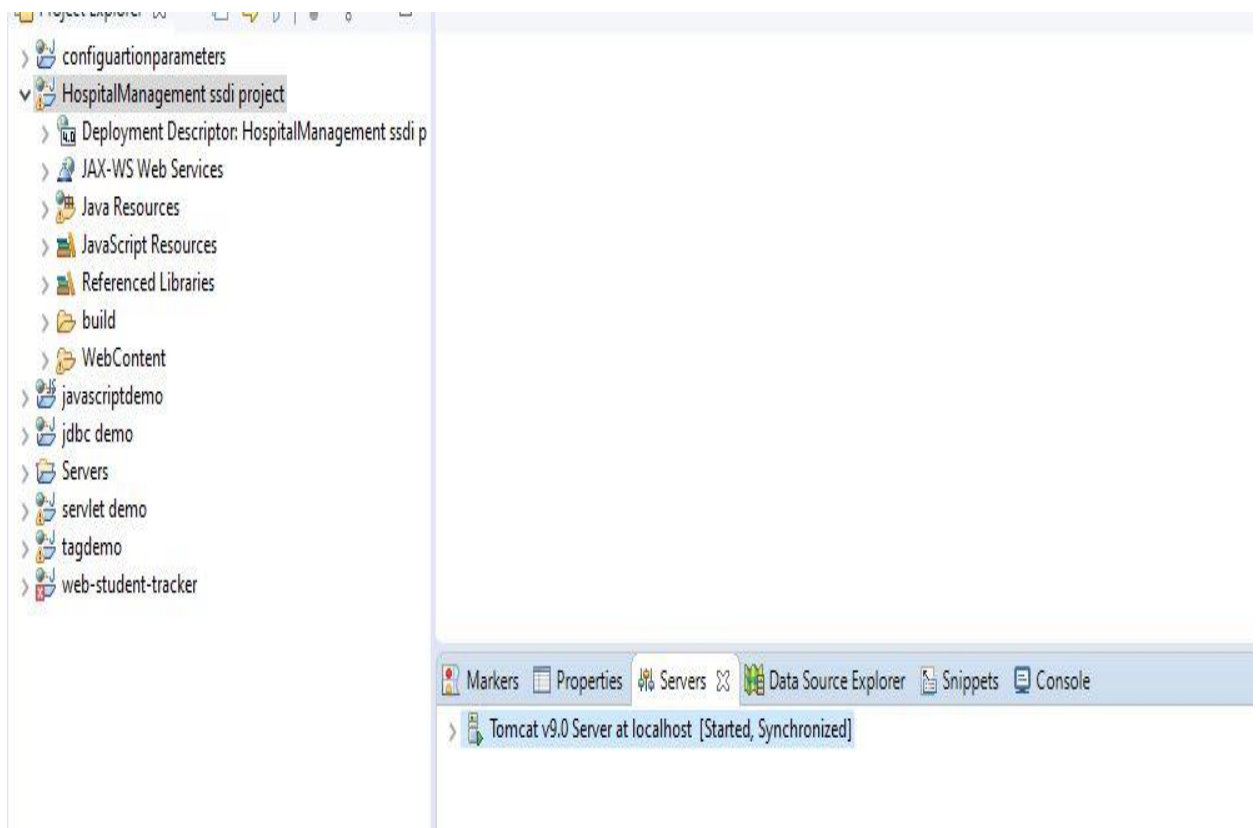
- MySQL
- bookAppointment, DoctorDetails, PatientDetails, Admin

e. Steps to run the Application on a system

Software Requirements

1. Tomcat server : <https://downloads.apache.org/>

Note: Make sure you install Tomcat server and connect the Tomcat server in eclipse.



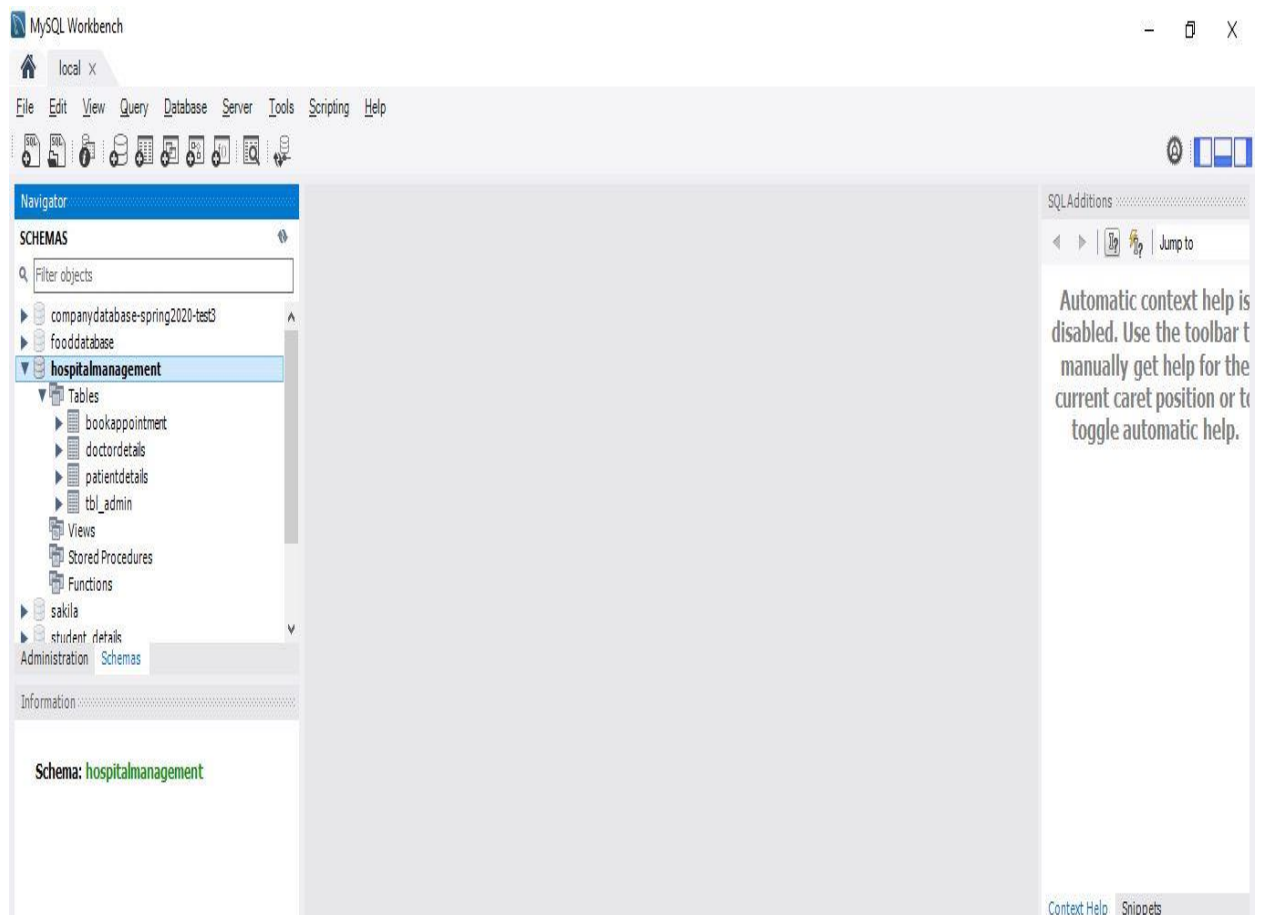
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2. MYSQL: <https://dev.mysql.com/downloads/mysql/>

Note : Import the mysql-connector-java-8.0.19 from <https://dev.mysql.com/downloads/connector/j/> in eclipse

Setting up the database:

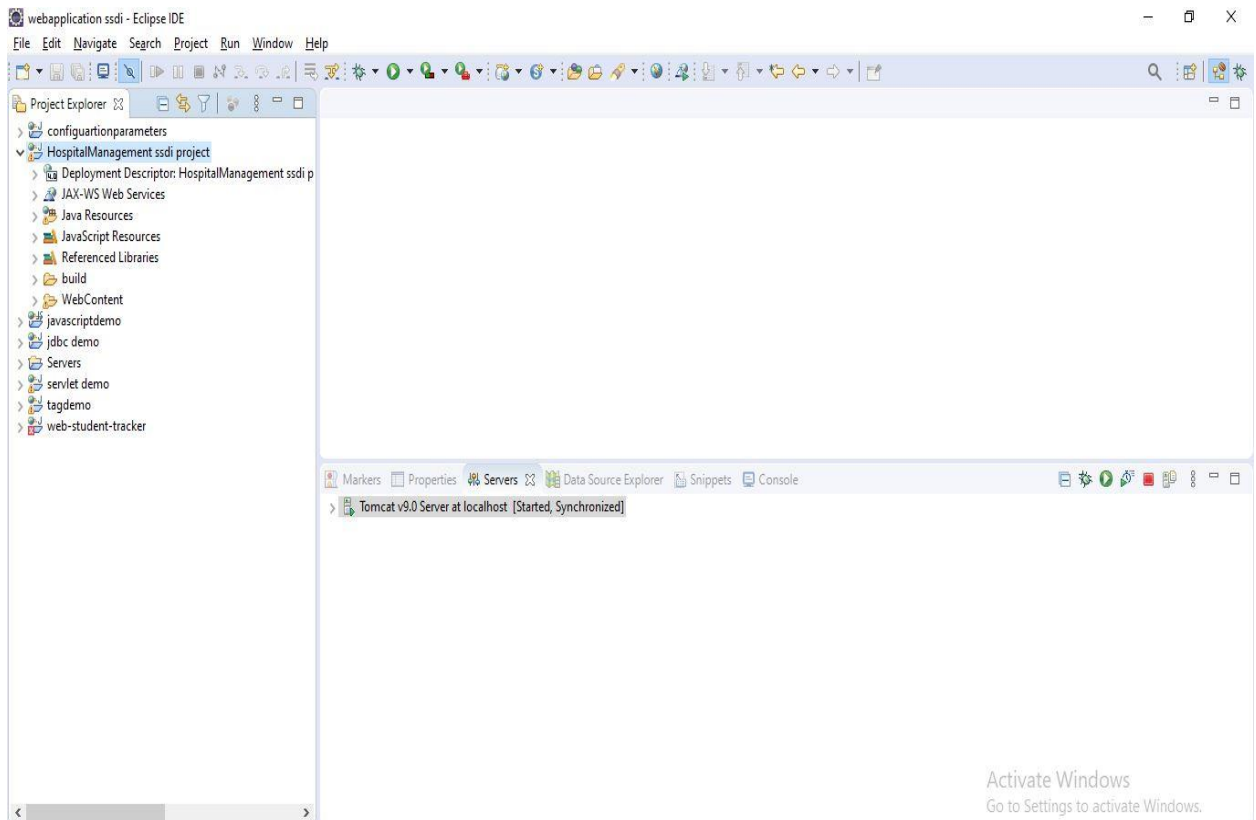
1. Download the MYSQL workbench using the above link
2. Login to the workbench and import the sql script.
3. Set hospital management as default schema.
4. This schema is automatically connected using jdbc when executed



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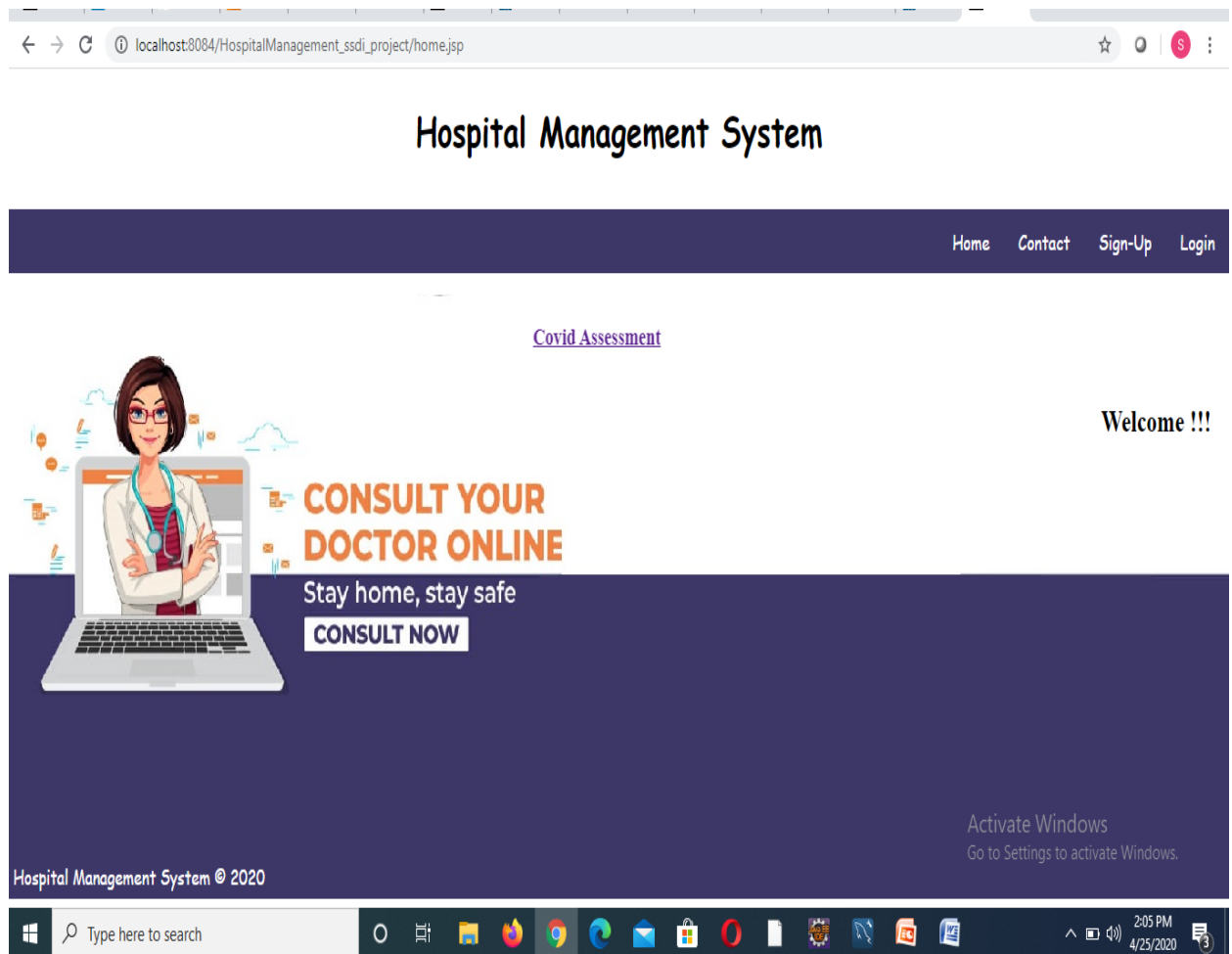
Setting up the application

1. Create Dynamic web project application in eclipse IDE for enterprise java
2. Import the Hospital management project folder into the project which consist of both frontend(jsp) and backend(servlet code)



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3. Make sure to start the tomcat server and run the home.jsp as run on server. Once the code is working fine .you can see the application in the browser http://localhost:8084/HospitalManagement_ssdi_project/home.jsp



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4. You cannot use the main web application until unless you sign up and login to the application. Once you sign up user details are stored into the database in mysql under patientdetails.

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view with 'hospitalmanagement' expanded, revealing the 'patientdetails' table. Below this, the 'Table: patientdetails' section lists its columns and data types: patient_id (int AI PK), patientname (varchar(50)), Gender (varchar(10)), DOB (date), Age (int), Mobile (varchar(30)), Email (varchar(30)), Password (varchar(50)), and maritalstatus (varchar(10)).

The central 'SQL File 3' pane contains the query: `select * from patientdetails;`

The 'Result Grid' at the bottom shows the query results in a table format:

patient_id	patientname	Gender	DOB	Age	Mobile	Email	Password	marital
4	praneeth	male	2020-08-18	25	9808334556	shivasaipranneth@gmail.com	praneeth	single
5	Pranitha Amrutha	female	1997-08-16	22	7047059829	amruthapranitha016@gmail.com	123456789	single
6	Sahithi	female	1996-08-11	23	8333017559	sahithik5015@gmail.com	Sitaratram1	single
7	prashant	male	1996-02-14	23	9876543210	prashant@gmail.com	Spandana143	marrie
9	amulya	female	1996-12-02	20	09704611477	kv00543750@techmahindra.com	spandah	marrie
11	trilok	male	2020-04-16	45	876543212	atrilok23@gmail.com	trilok12	single

On the right side, a message box states: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

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5. Login to the application using login page which will navigate to the main web application page.

← → ↻ ⓘ localhost:8084/HospitalManagement_ssdi_project/login.jsp ☆ 🔍 S


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[Home](#) [Contact](#) [Sign-Up](#) [Login](#)

☐ User ☐ Admin

Username:

password:



CONSULT YOUR DOCTOR ONLINE

Stay home, stay safe

CONSULT NOW

Activate Windows
Go to Settings to activate Windows.

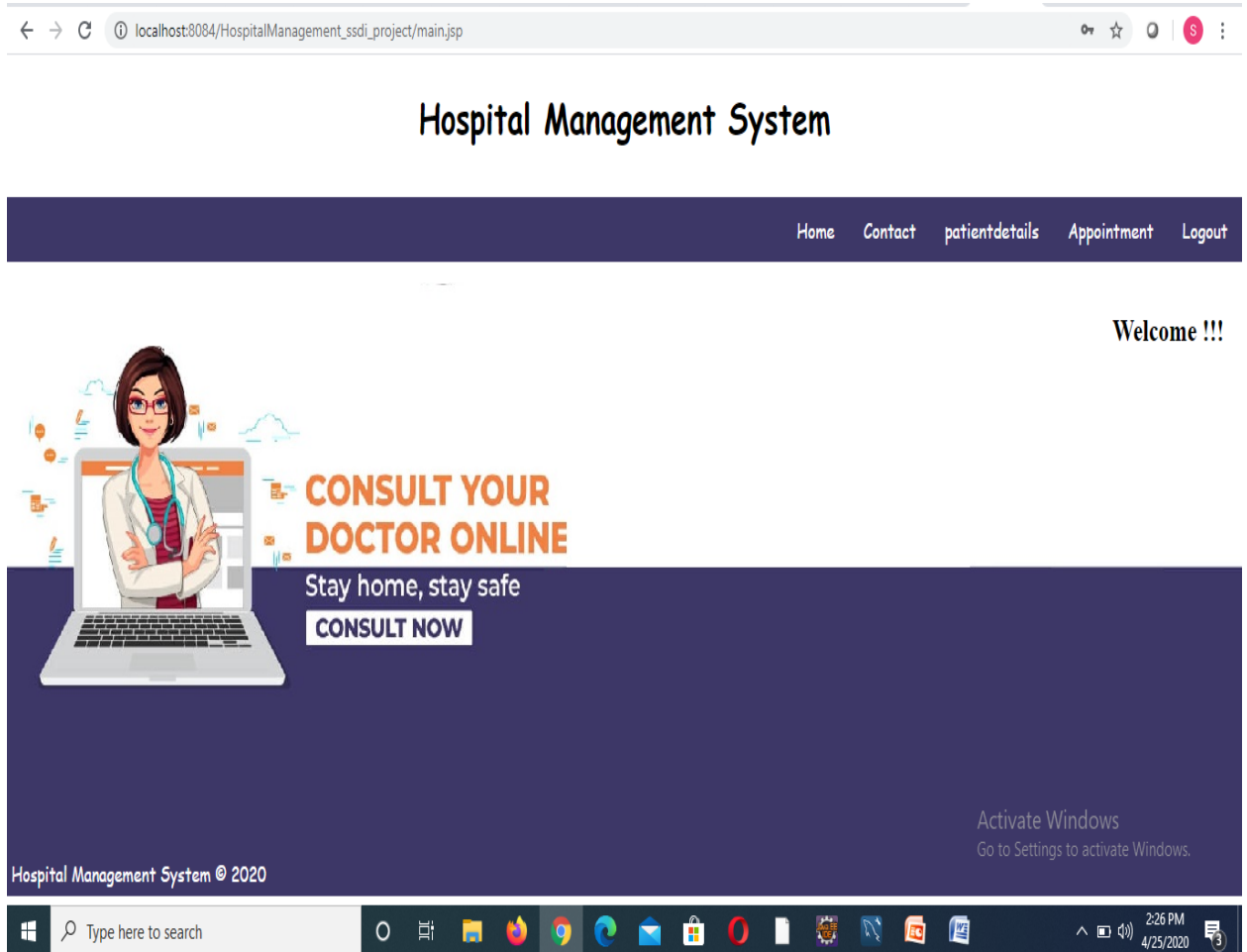
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6. Once you logged successfully will navigate to main application where you can book appointment with doctor and also can see the profile and Appointment details



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7. You can book appointment in the main application using the book appointment page.

Insert title here

localhost:8084/HospitalManagement_ssdi_project/bookappointment.jsp

Silver Crest Hospital

Home Contact patientdetails Appointment Logout

Book Appointment

Doctor name
select

Choose Date
mm/dd/yyyy

Location
select

choose Time

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