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**Project Idea:**

Our web application holds doctors information, so that when patient have any medical problem he can choose the doctor from the list according to their information available their like(rating given to that doctor or doctor's experience etc) and can book appointment with the doctor online by filling the form.the information submitted by the patient using form is saved in database as patient info

**Implementation Details :**

Used **Servlets** to perform Business Logic

Used **Jsp's** to do Presentation

Used **Java classes** to perform some services

Used **MVC** architecture

Used **Backing Objects**

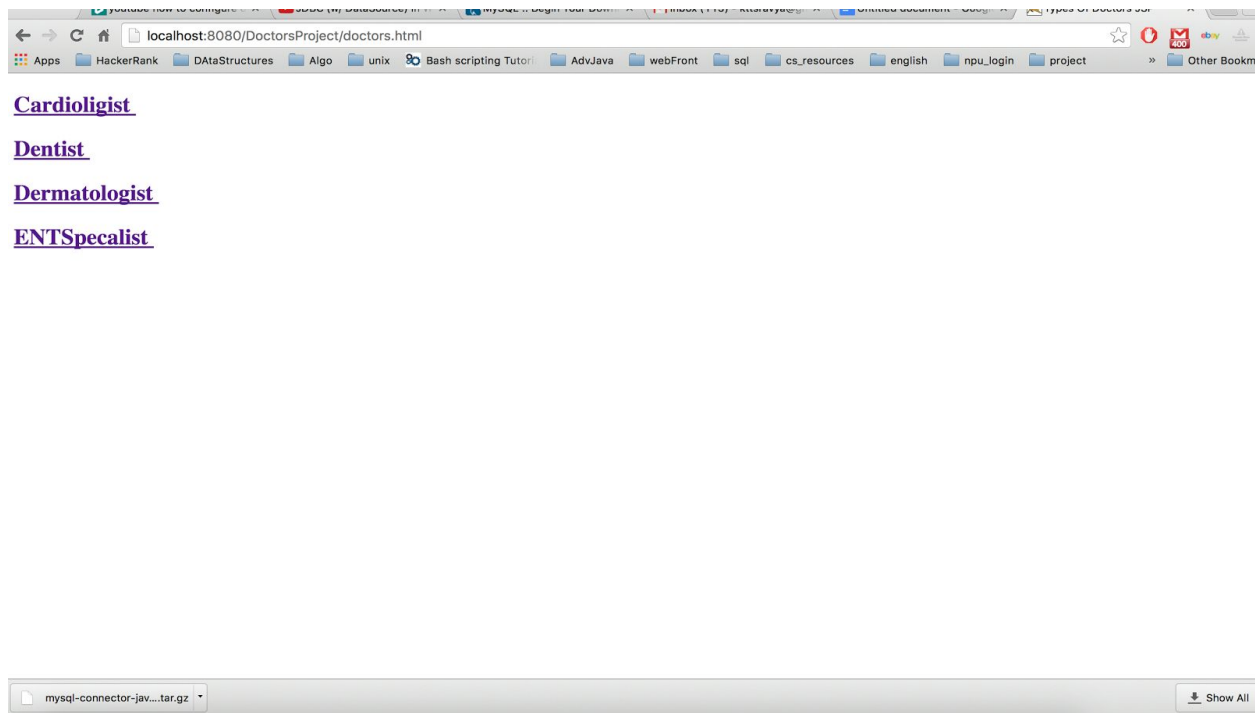
Used **Page Redirect** and **Page Forwarding** to forward requests from servlets to jsps

Used **MySql database** to save patient information

**Step1:** Go to browser and copy following url

<http://localhost:8080/DoctorsProject/doctors.html>

**Output:**



When user type the above url. The servlet handles the request, because we developed web application by using “**MVC pattern**”  
Servlet then forward request to the jsp page, which retrieves necessary info from java classes  
And displays the information on browser

Our application has four types of doctors available

- Cardiologist
- Dentist
- Dermatologist
- ENTSpecialist

**Step2:** Choose one type of doctor from available doctor types,depending on your problem

**Example:** if you have any problems related to cardiology, click on cardiologist link,then

It displays list of doctors available in cardiology department, you can choose doctor from the list if you are interested,or else you can go back using back button available at the bottom left of the page

**Output:**



### [Dr. Akik K. Parikh](#)

Cardiovascular disease

rating: ( 4.5 /5)

16 years of experience

DCHS Medical foundation

(408)278-3000

625 Lincoln Ave, San Jose, ,CA 95126

### [Dr. Benjamin Wu](#)

Cardiovascular disease

rating: ( 4.3 /5)

15 years of experience

DCHS Medical foundation

(408)278-3000

625 Lincoln Ave, San Jose, ,CA 95126

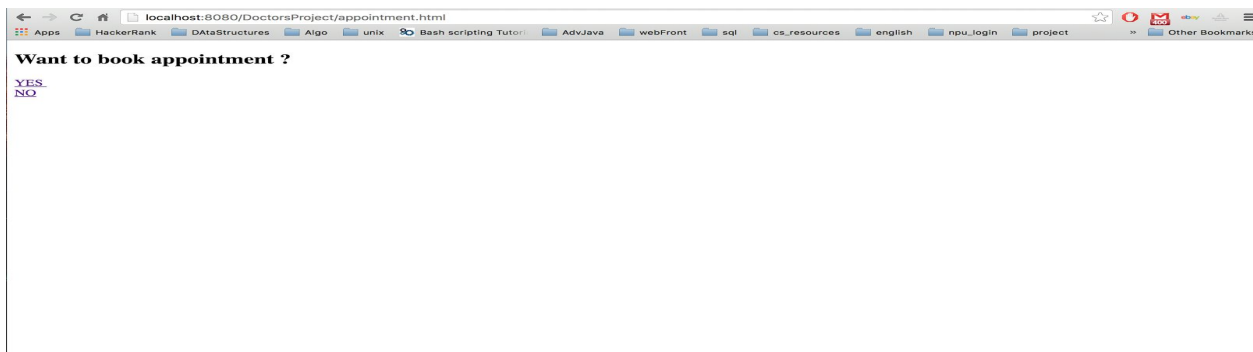
You can choose doctor from the list according to their rating and experience etc., if you would like to consult with any doctor available in the list you can click on their name link so that you can book appointment with them

### **Step 3:**

After choosing doctor from the list available , if you want to book appointment with that doctor click on doctors name link as explained in the previous step. And once again click yes from this slide

**Example:** if you choose DR.Akik K Prithik(doctor name) this page appears

### **Output:**

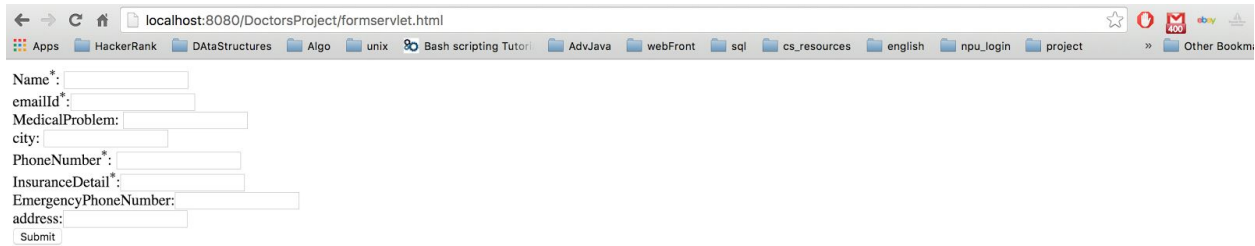


If you want to book appointment click yes , else click on no

### **Step4:**

fill in the form displayed below, the information you entered in this form is stored in the database as patient information

### Output:



A screenshot of a web browser window displaying a form titled "DoctorsProject/formservlet.html". The browser's address bar shows "localhost:8080/DoctorsProject/formservlet.html". The form contains the following fields and labels:

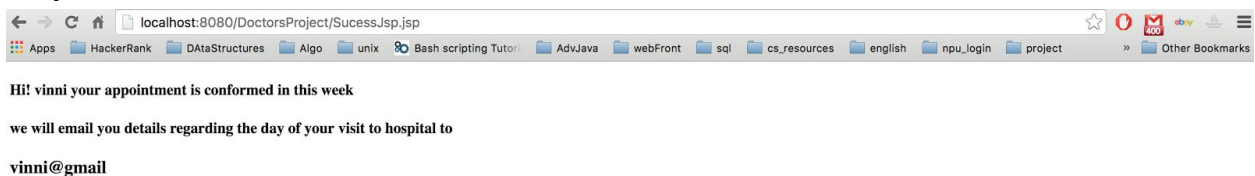
- Name\*:
- emailId\*:
- MedicalProblem:
- city:
- PhoneNumber\*:
- InsuranceDetail\*:
- EmergencyPhoneNumber:
- address:

At the bottom of the form is a "Submit" button.

### Step5:

after filling the form and click submit if the information you was given is valid and you filled all necessary fields in the form the success page appears as below

### Output:f



A screenshot of a web browser window displaying a success message titled "DoctorsProject/SucessJsp.jsp". The browser's address bar shows "localhost:8080/DoctorsProject/SucessJsp.jsp". The message content is:

Hi! vinni your appointment is conformed in this week

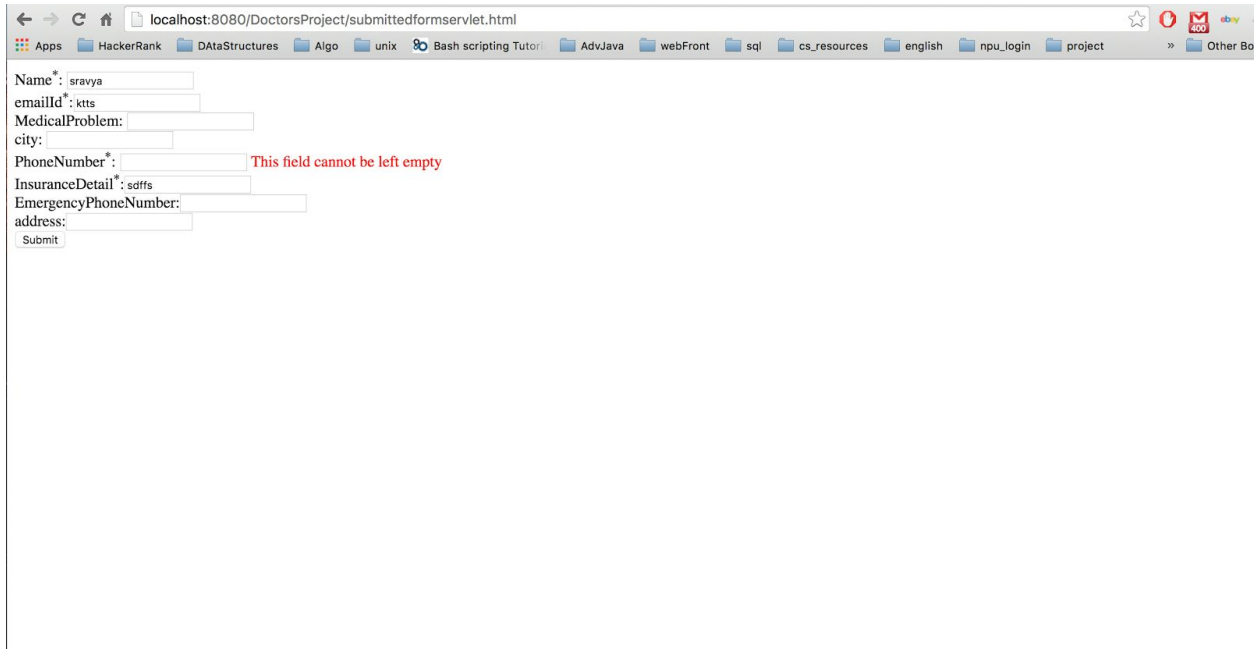
we will email you details regarding the day of your visit to hospital to

vinni@gmail

### **Step6: FormAuthentication**

If you failed to fill any necessary fields in the form, the form won't be submitted

**Example:** if you failed to fill phoneNumber the following output appears

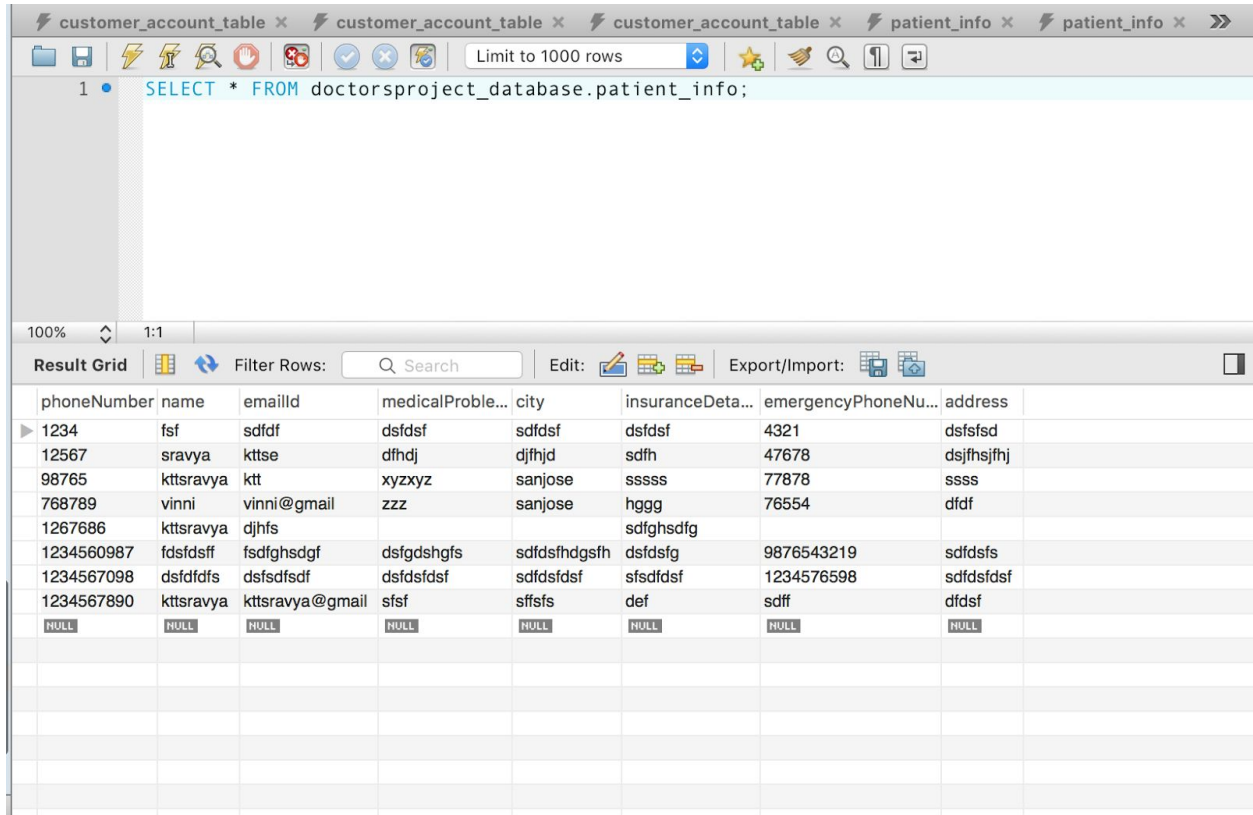


The screenshot shows a web browser window with the address bar displaying 'localhost:8080/DoctorsProject/submittedformservlet.html'. The browser's tab bar shows several open tabs, including 'Apps', 'HackerRank', 'DataStructures', 'Algo', 'unix', 'Bash scripting Tutor', 'AdvJava', 'webFront', 'sql', 'cs\_resources', 'english', 'npu\_login', 'project', and 'Other Bo'. The main content area displays a form with the following fields and labels: 'Name\* :', 'emailId\* :', 'MedicalProblem:', 'city:', 'PhoneNumber\* :', 'InsuranceDetail\* :', 'EmergencyPhoneNumber:', and 'address:'. The 'PhoneNumber\*' field is empty, and a red error message 'This field cannot be left empty' is displayed to its right. Below the form fields is a 'Submit' button.

### **Step7:** saving information in database

If you fill all necessary fields, the information is saved in database

**output**



**DRAWBACK:**

Unfortunately, Declared phone Number as INT when defining Patient\_info table in mySql database so please enter phone number starting with 1234 for testing purpose

Example phone Number format:

1234567891