HOSPITAL MANAGEMENT SYSTEM

COURSE: E-DAC

TEAM MEMBERS:

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PROGRAM WORKING: -

1. We have performed CRUD Operations in the project. Because it is simple system, the user can perform easily.

2. This application has a provision to Create, Read, Update, delete, Update patient records such as name, disease etc.

3. Create in-patient for patient details by entering his/her name, disease name etc. Admission process.

4. Create out-patient who visited.

This hospital management system offers following operations:

a. Register new patient with records such as name, disease.

b. Update patient details.

c. Read patient details.

d. Delete inactive patients. If they were discharged.

Consider a user Input Scenario to understand the flow of project:

Presentation Layer

Register new patient To when we clicked on that button it will be redirected to a form ,when we fill the form and click on the save in presentation it will go to savePateint method .

Service Layer

Now savePatient method will call createPatient of service layer which will fetch the rest api calling method createPatient of Patientcontroller class

DAO Layer

Now createPatient of Patientcontroller class will be called and it will return PatientRepository.save()

If(category== 'out')

Setward= null

SetroomNo= 0

SetAdmitdate= null

Else

Return PatientRepository.save()

After this Return PatientRepository will automatically create a query using hibernate for insertig data into the db.

Point where we stuck during programming:

a. During calling 2nd get method for fetching the details of the patient for update inside the same "componentDidMount" method we got stuck.

b. So, we created a different page for updating and deleting the details then an ambiguous error came in the back-end.

c. Ambiguous error between get method parameter as category (String) for calling "getPatientbyCategory" and method parameter as ID (Long) for calling "getPatientByID" compiler got confused between category (String) and ID (Long).

d. To solve this error, we created a new controller class with a different API. Auto wiring same repository and different service class in React for fetching that API. Then it worked as our expectation.

Learnings: -

1. We gained the opportunity to work with others as a team towards a goal.
2. This project helped improving our skills and the learning will surely help us in our future projects.
3. Instead of focusing on the negative part of the project, we focused on the positive part.
4. Breaking complex tasks into parts and steps.
5. We learn how to manage time during coding.
6. Everyone encouraged the recycling of good ideas and highlight the avenues that previously didn't work well.