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# Problem Statement

Hospital Management System is an organized computerized system designed and programmed to deal with day-to-day operations and management of hospital activities. The program can look after inpatients, outpatients, records, database treatments, status illness, billings in the pharmacy, and labs. It also maintains hospital information such as ward id, doctors in charge, and department administering. The major problem for the patient nowadays is to get the report after consultation, many hospitals managing reports in their system but it's not available to the patient when he/she is outside. In this project, we are going to provide the extra facility to store the report in the database and make it available from anywhere in the world.

The project Hospital Management system includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. Users can search the availability of a doctor and the details of a patient using the 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 make the data processing very fast. Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals. Hospital Management System is designed for multispeciality hospitals, to cover a wide range of hospital administration and management processes. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision-making for patient care, hospital administration, and critical financial accounting, in a seamless flow. Hospital Management System is a software product suite designed to improve the quality and management of hospital management in the areas of clinical process analysis and activity-based costing. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital helps you manage your processes.

**Module Names**

1)Register  
2)Take doctor's appointment.  
3)Book Ambulance  
4)Book a Bed  
5)Feedback

**Project Requirement**

1)Micro Services

2)MySql

3)Rest Web Services API

4)Postman

Business-Requirement:

As an application developer, develop the BookMyShow App (Single Page App) with below guidelines:

| User  Story # | User Story Name | User Story |
| --- | --- | --- |
| US\_01 | Register Page | As a user I should be able to visit the Register page as default page.  Acceptance criteria:   1. User can be able to Register him/her self. |
| US\_02 | Post Appointment | As a user I should be able to post an appointment  Acceptance criteria:   1. As a user I should be able to furnish following details at the time of placing an appointment    1. Name    2. Age    3. Email    4. Mobile No    5. Address Line 1    6. Address Line 2    7. City    8. State    9. Country 2. Amount should be calculated automatically based on the selected appointment. 3. All details fields must be mandatory. 4. Address line 2 may contain the same address as address line 1. 5. Email& Mobile must be unique. 6. If any constraint is not satisfied, a validation message must be shown. 7. A success or failure message should be visible after the submit button is clicked. |
| US\_03 | Doctor’s Appointment | As a user I should be able to view all appointment requests, and after selecting any appointment  Acceptance criteria:   1. Message should be visible if no appointment is available to show. |
| US\_04 | Book a Bed, Book an Ambulance | As a user I should be able to post a feedback/query/message  Acceptance criteria:   1. As a user I should be able to furnish following details at the time of filling contact us form    1. Name    2. Email    3. Phone    4. Message    5. Address 2. Message should not go beyond 200 characters. 3. All four fields must be mandatory. 4. A success or failure message should be visible after the submit button is clicked. |

# Constraints

1. On the page load, input focus must come to the first name input field.
2. You should be able to press the “TAB” key and “SHIFT + TAB” to navigate from top field to bottom field and vice-versa.
3. On click of “Submit” button, appointment details must be saved via fake-rest API in Bookmyshow.json.
4. Fake rest api is implemented with json-server.

Example JSON for reference of fields to be used for placing appointment:

{

"firstname": "test",

"lastname": "test",

"age": 24,

"phonenumber": 9988776655,

"email": "test@test.com",

"streetaddress": "test",

"city": "test",

"state": "test",

"country": "india",

"pincode": 560058,

"trainerpreference": "Male Trainer",

"physiotherapist": "Yes",

"packages": "500",

"inr": 1000,

"paisa": 10,

"id": 1

}

# Mandatory Assessment Guidelines

1. **All actions like build, compile, running application, tested using Postman.**
2. **To open the command terminal the test takers, need to go to**

**Application menu (Three horizontal lines at left top) -> Terminal ->New Terminal.**

1. **This editor Auto Saves the code.**
2. **If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.**
3. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**
4. **Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on “Submit Assessment” after you are done with code.**