WEB PROGRAMMING LANGUAGES

PROJECT: HOTEL RESERVATION SYSTEM
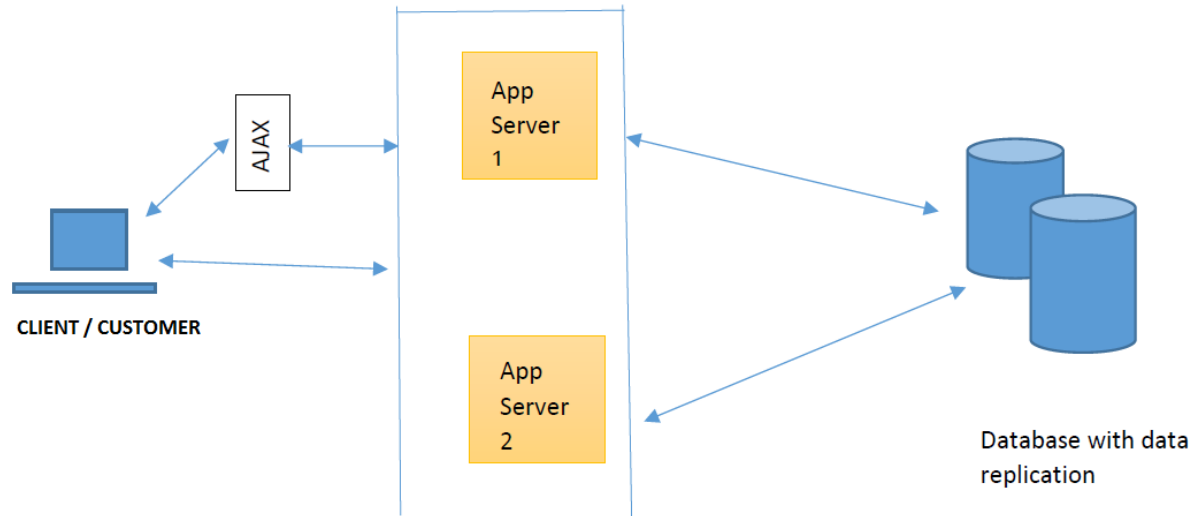
GROUP INFORMATION:

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ARCHITECTURAL DIAGRAM

- In the above architectural diagram, requests from the client (customer) will be directed to either App Server 1 or App Server 2 which offer the same services.

- Some of the requests from the client (customer) are AJAX requests.

- The App servers has cache, and if data is readily available in cache, it is provided to the client.

- Otherwise, the servers communicate with database whose data is replicated.

PROJECT DESCRIPTION

The Project is a Web application for communication between the hotel customers and the company managing the hotel. The customers who visits our webpage can book rooms in our hotel, can book banquet hall, can reserve cab, get information about sight-seeing. The customers can also get information about the dining facilities available in our hotel.

Mandatory Services

1) **Room Booking** : Customers can book rooms in our hotel

2) **Banquet Hall reservation** : Customer can reserve banquet hall for weddings/corporate meetings

3) **Cab reservation**: Management offers cab service for customers who book a room.

Apart from the above services web application has following functionalities.

- The customer visits the home page first. For room booking, the customer will have option to select the check-in date, check-out date, number of persons staying in the room (including adult and children), number of rooms he want to book.
- If the customer finds this as the best rate, he can proceed to sign-in/register to our services to continue reserving his selected room. After registration, he will be redirected to pay for his selected room.
- The customer also has an option to book a banquet hall without booking a room. He can visit the banquet hall page directly, check the utilities provided by our hotel and can proceed for booking the hall. The banquet hall can be used for weddings/corporate meetings.
- He can visit the dining page which contains information about restaurant facilities available in our hotel like breakfast/lunch/dinner, and hours of operation. He can also use dining service if he books a banquet hall.
- The customer has a complimentary cab service, if he book a room in our hotel. He must book for a cab in advance and the hotel offers cab service at a discounted rate. The customer just needs to select pickup/drop location and the time at which he wants to use the cab.
- The customer from other cities/states can go through our webpage for information about nearest sight-seeing places in the city.