

## Module 8: Dynamic Client-Server Interaction Using Socket.IO

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### Assignment Document

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### **App1: Chat Application**

Create a chat application using socket.io and Node.js as per the requirement:

- Implement Group chat feature where your application should allow multiple user to Communicate with each other
- User should set their name before starting the chat, application should display the name of user along with the time of delivered message

### **App2: Caching With Redis**

Create an Application with Nodejs, Redis and MongoDB using the URL mentioned below to get information of the country:

**URL:** <https://en.wikipedia.org/w/api.php?action=parse&format=json&section=0&page=<query>>

(Note: mention the country name instead of query)

- Make a call to above URL via the API to get the information of the country
- First time when user executes the API, he should receive data directly from the actual database
- Second time when user executes the API, data should be received from Redis cache instead of actual database to speed up the response