SUNSTONE

"TO-DO-LISTS"

Task - 5

TO-DO-LISTS

A to-do list project typically aims to help users organize tasks, manage priorities, and increase productivity by providing a user-friendly platform for creating, editing, and tracking tasks or activities. Features often include task categorization, due dates, reminders, and sometimes collaboration options for team projects. The primary goal is to streamline task management and enhance efficiency in personal or professional settings.

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Task-5

Evaluation Metric:

◦ **Database Configuration:**
- Whitelist necessary ports for database communication.
- Migrate your database to mysql, updating connection stri.

◦ **Build React App:**
- Develop your React app locally.
- Ensure it interacts correctly with your hosted backend

◦ **Host Backend URL on Frontend:**
- In your React app, set the backend URL to the hosted AWS backend.

◦ **Testing:**
- Test the entire system using a To-Do list project.
- Evaluate metrics such as response times, data integrity, and overall performance

◦ **Security Measures:**
- Implement HTTPS for secure data transmission.
- Regularly update and patch server software

◦ **Scalability:**
- Configure your AWS resources for scalability, considering potential growth.

- **React App Development:**
    - Develop your React app locally using tools like Create React App.
    - Ensure your React app interacts correctly with your local backend
- **Connecting Backend URL to Frontend:**
    - Update your React app's configuration to point to the hosted backend URL.
- **Features:**
    - User Authentication: Implement user sign-up and login functionality.
- - Task Management: Users can add, edit, delete, and mark tasks as completed.
  Project Management:
    - Use version control (e.g., Git) for collaborative development.
    - Break down tasks into sprints for a more manageable development process
- **Hosting React App on AWS:**
    - Build your React app for production.
    - Use AWS S3 or a service like AWS Amplify to host your React app.
- **Testing:**
    - Create a To-Do list project for testing.
    - Test individual components, API calls, and overall functionality.
    - Address and fix any issues that arise during testing

Task Summary

A To-Do List project backend involves user authentication, task management, database integration, API endpoint design, authorization, security measures, data validation, error handling, scalability considerations, and thorough documentation. Choosing a suitable technology stack is crucial for effective implementation

Submission Github

Github Link