E Calender System Case-Study:

Abstract: Application will have react web based user interface which shall provide following features:

- Registration Form for new employee addition with proper validations error messages in case any

- Login screen for Manager

- Manager must able to list employee information

- Manager able to view all the employees details in his team and their calendar schedules

Like week calendar, month claender n their shift , leave details

-Manager must able to view Organization upcoming events

- Manager must able to visualize insights graphically using react graphs

- Save the project in Git, use Docker and Kubernetes too and deploy the same on AWS too

Modules:

- E Calender Front-end Module

- E Calender Back-end Module

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Technical specification:

- Front-end to be developed using latest version of React.js with proper validation error messages

- Multiple Front-end components to show all backend database activities.

- Backend to be developed using Spring Boot, Data JPA or Hibernate

- There must be at least 2 different micro-services

- ManagerService

-AuthenticationService

- Proper usage of exception handling wherever required

- Communication will be done through JSON between React/ SpringBoot / MySQL

- Usage of Spring Form Tag Library

- Postman for verification of all messages

Technology Stack:

- Java

- Spring Boot

- Spring JPA/REST/Exception Handling

- Hibernate for Validations

- TypeScript

- React

- MySQL

- PostMan

- Deployment and Build Creation using Git/Docker/Kubernetes/Jenkins/AWS 