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Java Major Project

Document History

Ver. No	Release Date	Created By / Modified By and Date	Reviewed By and Date	Approved By and Date	Remarks and Changes Made
0.1	Oct 2022	Alka Jhanwar		Sachin Atre	Initial draft.

Online Event Management Application

Project Statement:

Develop web-based application for managing events online.

Abstract of the System:

Main goal is to develop a web-based system for managing events online. User can register into system and book for any event.

System Roles:

- Admin
- Event organizer
- User

Admin Role:

- Central access to system
- Add/delete/update/view event category.
- Can view list of all event organizer
- Delete event organizer
- Unlock accounts if locked due to 3 invalid login attempts
- Reports: - Users reports, Event organizers reports
- Can see logs of user's activity

Event organizer Role:

- Register and login into the system
- Add/delete/update/view details about event
- Add/delete/update/view offers.
- Should get notification for new booking request through SMS or e-mail.
- Can confirm/cancel event booking request.
- Send confirmation mail to the user.
- View the complains and can take the action.
- Can access event booked history and can check rating and feedback.

User Role:

- Register and login into system.
- Activate account using activation link(link will be shared on registered email id).
- Login with OTP.
- Can search for the event according to the category. Provide the following options for filtering search results:
 - a. Rating

b. Pricing

- Can view available offer.
- Can book for the event and request for details from event organizer.
- Cancel the event (1 day before)
- Can provide rating and feedback about event.
- Can raise complain and check the status of complain.
- Send reminder if complain is not resolved on time.
- Change password
- Update profile information.

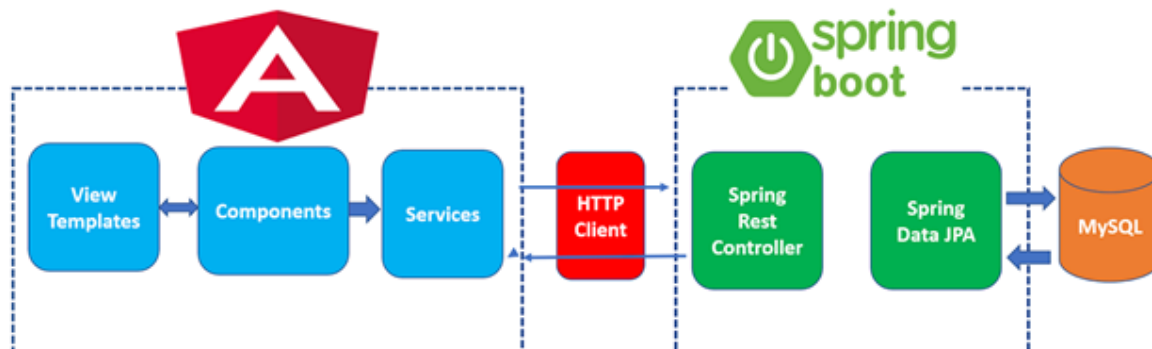
Note – Make assumptions whenever required in the project.

Technologies to be used:

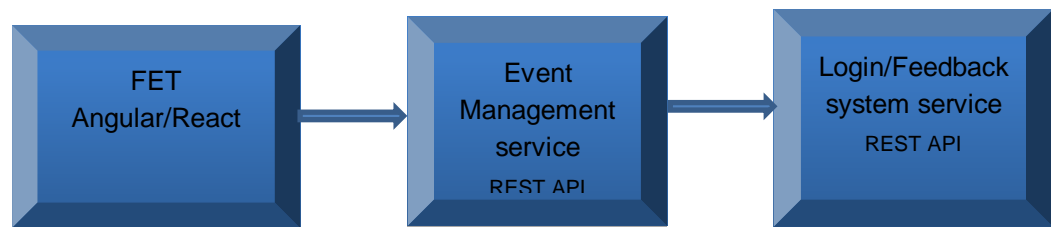
- Spring Architecture
- Spring Rest for Web Services
- Spring Data JPA
- MYSQL
- HTML5
- CSS3/SASS/ Bootstrap/RWD
- Angular/REACT
- Static code validator – Linter/Hinter
- Editors – VS Code, Eclipse, STS, etc.
- Code coverage reports – SonarQube
- Git repository

Other DevOps tools to be implemented.

System architecture:



You are also expected to integrate the feedback and login services with this project and there will be three services where event management will internally give call to the feedback and login service which will be consumed in angular/react.



1. Bonus points:

- Earn bonus points by implementing following features.
 - Report builder (providing different options to build reports)
 - Captcha to avoid brute force attack
 - Implementing SSL/TLS security