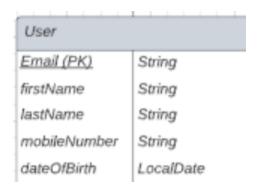


Build Rest API for MasaiMail Application

- User should be able to send and receive mails
- User should able to send a mail to many persons at once
- User should able to star & delete mails
- User should able to Register to Masaimail App
- User should able to login to Masaimail App

User should have following fields-



Rest API for User Resource

MasaiMail app 1

URL Path	Status Code	Description
/masaimail/register	201(CREATED)	Register a User
/masaimail/login	200(OK)	Login a User
/masaimail/mail	200(OK)	Check all mails
/masaimail/starred	200(OK)	Check all starred mails
/masaimail/user	200(OK)	Update User
	/masaimail/register /masaimail/login /masaimail/mail /masaimail/starred	/masaimail/register 201(CREATED) /masaimail/login 200(OK) /masaimail/mail 200(OK) /masaimail/starred 200(OK)

Rest API for Email Resource

HTTP Method	URL Path	Status Code	Description
POST	/masaimail/mail	200(OK)	To send mail
POST	/masaimail/starred/{id}	200(OK)	To starred mail
DELETE	/masaimail/delete/{id}	200(OK)	To delete a mail

Task - 1

- Build Rest API for Email, User
- Use MySQL database
- Use Response Entity depending upon the output.

Task - 2

- Identify the Relationship between the User and Email and Implement that Relationship
- Use DTO wherever required
- Complete the All User and Email APIs

Task - 3

• Implement Exceptional Handling in the project

MasaiMail app 2

- Handle Custom Exception
- Create Custom Error Structure Response for Client
- Create Global Exception Handler to handle the exceptions globally: All other exception handled in this single place
- Swagger Rest API Documentation
- Add Validations
 - First Name must not contain numbers or special characters
 - Last Name must not contain numbers or special characters
 - Mobile number must have 10 digits
 - Password should be alphanumeric and must contain 6-12 characters having at least one special character, one upper case, one lowercase, and one digit.
 - date of birth should not be in future

Task - 4

Implement Authentication (Verifying the User credentials)

MasaiMail app 3