To check identitiy of user
Validating user
        userid+pwd
        emailid+pwd
        otp
        emailid+opt
        dynamic link

After authentication
Checks ROLE/Desig/Permission
        Allows to access a particular resource

JPA Repo
Mongo Repo

authentication

op1	op2
implement auth	implement one
mechanisum	centralized auth
in all applications	mechanism, let all apps
individually	use the same

RESTAPI

id+pwd

client
app

Authentication

auth	DB	raj@gmail.com	12345
		abc@gmail.com	12345

RESTAPI

inbox	DB	raj@gmail.com	m1,m2,m3
		abc@gmail.com	m4,m5,m6

RESTAPI

sent	DB	raj@gmail.com	s1,s2,s3
		abc@gmail.com	s4,s5,s6

RESTAPI

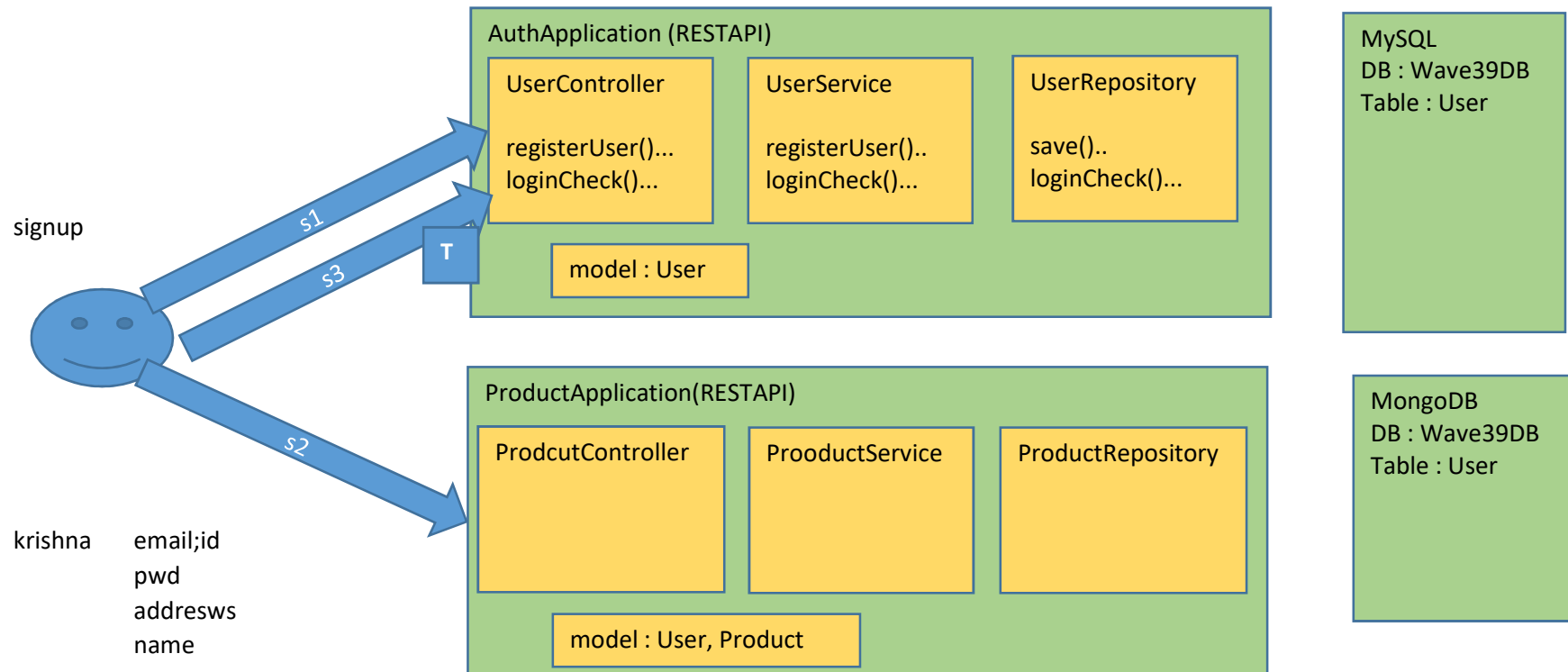| profile	DB	raj@gmail.com	Rajeswar	theam1
		abc@gmail.com	Anand	theam2

How to implement manual logincheck mechanism

capture userid+pwd
send the same to BE
BE checks whether the data matching with DB record or not
if matching : login is success
else : login failed

emailid *	password	role
rajeswar@gmail.com	12345	ROLE_USER
anand@gmail.com	12345	ROLE_USER
krsishna@gmail.com	12345	ROLE_USER

AuthApplication (RESTAPI)

UserController

registerUser()...
loginCheck()...

UserService

registerUser()..
loginCheck()...

UserRepository

save()..
loginCheck()...

model : User

T

s1

s3

signup

MySQL
DB : Wave39DB
Table : User

ProductApplication(RESTAPI)

ProdcutController

ProoductService

ProductRepository

model : User, Product

s2

MongoDB
DB : Wave39DB
Table : User

krishna   email;id
            pwd
            addresws
            name

signup data
            emailid   pwd   name   address   product
authapp   name   desc   price
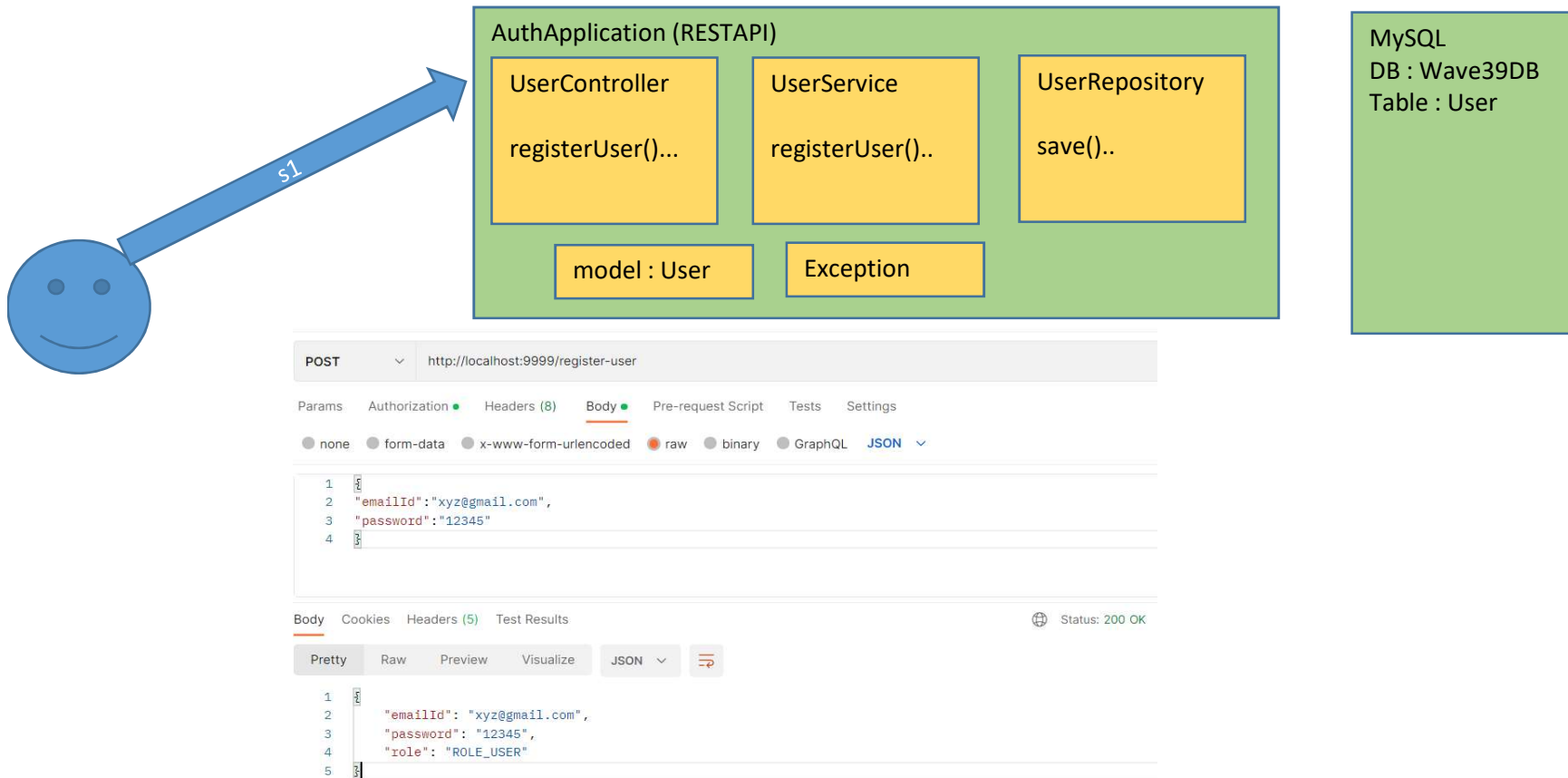   emailid   pwd
productapp
            emailid   name   address

emailid	name	products
rajeswar@gmail.com	rajeswar	[ ]
anand@gmail.com	anand	[ ]
krishna@gmail.com	krishna	[ ]

s1	creating user a/c in auth app
s2	creating user a/c in product app
s3	login check
s4	access product data with token

S1   creating user account in auth app

create new springboot application (web,mysql,jpa,lombok)

model : emailid, pwd, role

create flow for creating user a/c in db

AuthApplication (RESTAPI)

UserController

registerUser()...

UserService

registerUser()..

UserRepository

save()..

model : User

Exception

MySQL
DB : Wave39DB
Table : User

POST   http://localhost:9999/register-user

Params   Authorization ●   Headers (8)   Body ●   Pre-request Script   Tests   Settings

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ⌄

```json
{
"emailId":"xyz@gmail.com",
"password":"12345"
}
```

Body   Cookies   Headers (5)   Test Results   Status: 200 OK

Pretty   Raw   Preview   Visualize   JSON ⌄

```json
{
    "emailId": "xyz@gmail.com",
    "password": "12345",
    "role": "ROLE_USER"
}
```
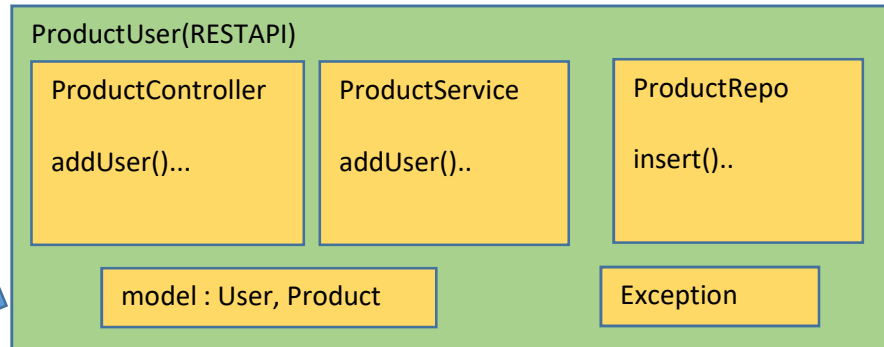
create new springboot application (web,mongo data,lombok)

model : emailid, name, address,product[ ]

create flow for creating user a/c in db

ProductUser(RESTAPI)

ProductController

addUser()...

ProductService

addUser()..

ProductRepo

insert()..

model : User, Product

Exception

MongoDB
DB : Wave39DB
Table : User

S2

POST	∨	http://localhost:8888/add-user

Params | Authorization ● | Headers (8) | Body ● | Pre-request Script | Tests | Settings

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL **JSON** ∨

```
1  {
2  "emailId":"xyz@gmail.com",
3  "name":"xyz",
4  "address":"chennai"
5  }
```

Body   Cookies   Headers (5)   Test Results   ⊕ Status: 200 OK

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

```
1  {
2      "emailId": "xyz@gmail.com",
3      "name": "xyz",
4      "address": "chennai",
5      "products": []
6  }
```

address
hyd
pune
mumbai

auth app
product app
auth app
product app