

Role:- Software Engineer

Domain:- Banking

Tools :-

Project :- Accounts

1. In this project we have a different modules
one is accounts, Eligibility, Eligibility Rule,
lookup, preference & payments
 2. Accounts contains
 - ↳ Account Creation
 - ↳ Adding address, phone No, pan...etc.,
- once completed the account creation it will go to Eligibility
- In the Eligibility there are checking account holder did any bad (or) fraud transactions & they will check credit score.
- Based on the above checks they will go to eligibility rule.
- In Eligibility rule contains different status
Red, green, yellow
- Red → They won't give account Id Bcs of fraud transactions
- Yellow → Recently he has not paid like personal loans, home loans, credit card bills.

green → The account will create successfully.

Preferences :-

→ Based on his/her salary they will give some preferences like

↳ they will credit card

↳ discounts (or) offers

Payments :-

→ Payment Session we can transfer the fund from Account to Account, Account to different Account Account to some other transactions

Technologies :-

1. Java 8 (or) 1.8 version
2. Spring boot (2.0.X) version
3. Rest service
4. Micro services
5. MySQL (or) MongoDB

Tools :-

1. postman / swagger → Rest services testing
2. IntelliJ → Development
3. Git → check in and check out
4. GitHub / Bitbucket → Code repository
5. Mockito → Writing unit test cases
6. Jacoco / sonarlint → code coverage
7. Jira → user story / issue tracking tool
8. studio-3t → mongo db querying
9. Oracle work bench → mysql querying
10. deployment (cloud) → pcf (Pivotal cloud foundry)
11. CI/CD → Bamboo
12. Maven → Build tool
13. pcf → Cloud platform
14. tomcat → server.

Responsibilities :-

1. Checking mails
2. checking assigned task or issue in jira
3. Created RESTful API's to communicate with third party services using rest template.
4. Worked on RESTful project using JPA/Mongo repository.
5. Writing unit test cases and it test cases using Mockito and wire mock.
6. Developing the REST based Spring boot Applications & run those over cloud platform.
7. Experience of developing Microservices
8. Attending daily stand-up meeting, grooming sessions and scrum calls in a regular intervals.

Agile methodology:-

1. We are following agile methodology, in this 10 days sprint
 - ↳ 8 days → development
 - ↳ 2 days → Testing.
2. First day we will do analysis on the user story.
3. Next writing a business logic code
4. After that writing unit test cases ~~in~~ using Mockito
5. ~~write~~ Testing in local whatever modified code in the user story.
6. Deploy the application/project in pcf

Note:-

1. In between we are daily attending scrum calls (15 min) followed by Technical discussion (1 hr)
2. Grooming Sessions
3. Refinement calls
4. Retro under
 - ① What went well in this sprint?
 - ② What ~~not~~ went well in this sprint?
 - ③ What could have been better?
5. Sprint review (Demo on current sprint story to client).

Spring Annotations:

A. Spring Core Annotations: 3 Types

1. Stereotype annotation: under one

@Component : under 3-types

1. @Service
2. @Repository
3. @Controller

2. AutoWired Annotation: 2-types

1. @Autowired
2. @Qualifier

3. Miscellaneous Annotation

1. @Primary
2. @Value
3. @Pre Constructor
4. @Post Destructor
5. @ ~~scope~~ Scope :

b. @Scope under types

1. Singleton
2. Prototype
3. Request
4. Session
5. Global Session

B. Lombok Annotation

- @Setter
- @Getter
- @HashCode
- @All arg Constructor
- @Required arg Constructor

C. Hibernate Annotation

@Entity

@Id

@Table

@Column

@One-to-one

@One-to-many

@Many-to-many

D. Spring Boot Application: under one

@SpringBootApplication

1. @Configuration
2. @EnableAutoConfiguration
3. @ComponentScan

E. Rest Service Annotation

@RestController

@RequestMapping

@PostMapping

@PutMapping

@GetMapping

@DeleteMapping

@PatchMapping

@ResponseBody

@PathVariable

@RequestBody

F. Exception : under type

1. @ExceptionHandler

2. @ControllerAdvice