**Front End**

1. How many Angular Components are implemented?
2. How many Angular Modules? Difference between Component and Module?
3. How many Angular Services are implemented and what is the annotation used for Angular Service?
4. Difference between TypeScript and JavaScript? Some features of TypeScript?
5. Why do we need Angular Routing?
6. package.json purpose, why node\_modules folder, npm commands?
7. How to include css file globally in Angular Application?
8. Features added in HTML5
9. Have you used Promise or Observable
10. Difference between Component and Service
11. How to embedded one component inside another component. Component reusability
12. Component LifeCycle Hooks
13. Have you used @Input, @Output, @ViewChild
14. Builtin Directives, ngIf, ngFor, ngSwitch, ngClass, ngStyle
15. Can we create Custom Directives, Custom Pipes
16. Are you using JWT. If so where are you storing JWT Token in Angular App?
17. Purpose of HTTPInterceptor?
18. Have you used Angular Material
19. Commonly used Angular CLI Commands, like "ng serve", etc...
20. Jasmine Unit Testing

**Mid Tier/Back End**

1. Are you using Microservices in your Project, and Advantages of Microservices?
2. To interact between Microservices, have you used RestTemplate or FeignClient?
3. Are you using Zuul API Gateway & Eureka Service Registry/Discovery? Steps to create Eureka Server or Zuul Gateway projects?
4. Actual purpose of Eureka Service registry/Discovery? Does Microservices work without Eureka Service registry/discovery?
5. What is the purpose of Zuul API Gateway? Can we add custom code to Zuul API Gateway?
6. For JWT, which is the dependency you added in pom.xml
7. Difference between JPARepository & CrudRepository
8. yml configurations specific to DB
9. Have you used Entity classes and have you created relationship between Entity classes
10. Custom Queries, @Query Native & Non native Queries
11. Difference between SQL and NoSQL Databases
12. Spring Test: JUnit, Mockito, MockMvc

(Contd…)

**DevOps**

1. **JMeter**: For REST API Performance Testing, go thru video https://www.youtube.com/watch?v=9433A7jHe2U
2. **Docker**:
3. Advantages of Docker?
4. Dockerfile syntax, like purpose of FROM, ENV, etc...
5. Difference between Docker Image and COntainer? HOw many Containers we can create from one Image?
6. Difference between docker push/pull
7. Commonly used DOcker commands(atleast 8), like docker ps, etc..
8. **Jenkins**: Advantages of CI/CD, Basic Options in Jenkins UI, Jenkinsfile
9. Can we use Docker commands in Jenkins
10. Code Coverage: Have you used any Code Coverage tool?

Above points are commonly discussed, However based on the specific project and context, questions may slightly vary.

Please ensure that all Team Members go through complete source code of Front, Mid Tiers, DevOps Tools before attending Panel Discussion.

@Query to Update or Delete

Configurations of Zuul, Eureka

Eureka dashboard - shows microservices or instances of microservices

Dockerfile syntaxes, only dependencies and configuration

Docker, hub command

Docker usage on VM, -H option

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JUnit Testcases

Purpose of Mockito

MockMvc

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Jenkins URL share

UI options

pipeline

Can we deploy to Docker using Jenkins

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Angular Unit Test Jasmine, Karma

@Input

@Output

Why Node is requried to develop Angular app.

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Java Syntaxes, lambda