Java Case studies & QA assignment

Please download the case study assignment to initiate preparation on case study solutions.

Please work parallelly on case study along with other weekly plans. Freshers are required to present the solution of case study to panel members on 15th week. Panel will include one external evaluator.

Successful submission of case study is extremely important for your confirmation process.

Below is the list of QA assignments which will be performed on the given java case study as described in the NOTES section.

QA - Case studies Assignments

1) Design and create test artefacts, Test scenarios and test cases (Sanity and Regression).
2) Log sample defects on any of the Test management tool.
3) Design automation POC to test Webservices/API.
4) Demo

Notes:
- Point #1,2 is common for all the case studies.
- Point #3 can be implemented with any one of the case study.

We have four case studies. Each case study can be allotted to a group of freshers to work upon and present to mentors and evaluators at the end of the freshers' training.

Case Study 1: Insurance Application -

Technology stack:

Angular 8
Java/J2EE
Oracle/MS-SQL
Scheduler
Description:

You are building an individual and family insurance application which provides three types of insurance

1. Life
2. Dental
3. Dental and Vision

The costing of the plan is dependent on multiple parameters like the number of dependents enrolled, age of primary subscriber etc.

There are multiple roles of users like End User, Underwriter, admin

- The insurance application has to follow a workflow that once submitted and passing all the rules set by admin, it gets auto approved
- The application which doesn't get auto approved will have to be reviewed by an Underwriter and be taken appropriate action
- All the submitted applications need to be reviewed in a periodic interval say 4 hours.(Use scheduler or spring batch job here)

Continuous Integration and Deployment

- Setup jenkins and create a build job for generating application artifacts
- Create a docker image , use docker-maven plugin for building docker image and push it to dockerhub
- Setup minikube cluster and run your application on it.

Please note: If you have joined Impetus in a batch of more than 4 freshers in one department then please connect with learning@impetus.co.in for case study assignments and formation of groups.