1. Each Project Team will have at least 6 members
2. Three mandatory modules (Login/Signin, Profile Update, Registration)
3. Additional 5 modules
4. Each member needs to work on the entire stack (Front End, Back End & DB layer)
5. Front End should be a Angular based component oriented SPA
6. Back End should be a Spring Boot Project, with spring web, data jpa, swagger, dev tools, h2, mysql & postgres ,
7. For database, use either h2 (In-Memory DB) or mysql or postgres
8. Follow proper naming convention, coding convention, add sufficient comments in your code.
9. Follow Camel Case Convention for Back End Spring Based Java Application
10. For database use \_ for the column names & all lower case letters only entities.
11. Add Junit Testing and Logging
12. Analyze project code quality using Sonar cloud/ SonarQube
13. Create a single private github repository to maintain all the source code.
14. Invite “syskantechnosoft” to your private github repo.
15. Start your project with the DB Design. Create ER diagram
16. UML diagram of your project like use case diagram, Project flow diagram.
17. Agile development methodology expects 3 documents only. Product Backlog, Sprint Backlog, Burndown charts.
18. All the requirements inside the excel sheet (Login Module, Sign-in Module, Profile update Module)
19. Login Module [ Creating Login Form (Front End), Client Side Validation, Server Side Validation, Entities Involved (DB table details), Business Requirement for username, password [length of password, expiry period, complexity (alpha-numeric with sp symbol, min 8 chars, max 15 chars, atleast one number, one Caps, One Sp symbol)]
20. Put all the requirements in excel sheet [Product Backlog, Sprint Backlog, Burndown chart]