

### Parallel Project Execution:

1. Parallel project will be executed phase wise and using TDD approach.
2. Implementation should use layered architecture.
3. Take any case study and ask participants to come up with class design.
4. Next ask them to create junit test cases.
5. After writing the test cases implement the classes and service layer functionality.
6. Dao layer should be implemented with collection.
7. At this point Phase 1 implementation with collection can be evaluated and you can share the comments with them, as well as document the scores.
8. Phase 2 version of the case study should be done by replacing the dao layer by jdbc. At this point this phase can be evaluated and you can share the comments with them, as well as document the scores.
9. Phase 3 version of the case study should be done by replacing the jdbc with jpa. At this point this phase can be evaluated and you can share the comments with them, as well as document the scores.
10. Phase 4 version or final version of the case study. Front end should be converted in Angular and back end should use Spring ReST and JPA. This phase should be evaluated on parallel project presentation day and need to share comments to them and document the scores.

Evaluation calculation:

Phases	Scores
Phase 1	20
Phase 2	20
Phase 3	20
Phase 4	40