**Project Architecture:**

Home

Database

User

**Fig Description: Level 0 DFD**

1. The User needs to login into the system through login
2. The User will get various option depending upon the Role : Master, Admin, Associate
3. Associates can request for help from SME’s if needed.
4. Admin can add new user to the system, cannot create projects, and cannot view progress of activities, reports.

User

**Fig: Level 1 DFD: Process: Master**

1. Master can create projects, repositories, add phases, sprints, objects and tasks.
2. Admin and Associate does not have access to this section.

User

**Fig: Level 1 DFD: Process: Dashboard**

1. Master can view all the progress of objects/tasks on his dashboard, generate reports of all activities by using these 5 options.
2. Admin and Associate does not have access to this section.

User

**Fig: Level 1 DFD: Process: Project**

1. Master can define Category of Tasks/Objects, Technical/ Functional Area of Tasks/Objects, Can make changes to Object Life Cycle (Functional Review, Dev, Dev Review, Technical Review, Technical Specification etc…).
2. In Estimates master can see the Planned Estimated Effort for each Category & Related object life cycle.
3. Master can define how teams are formed, give names to teams like module wise teams, tech wise etc…
4. Master can see all the Resources allocated to the project, add new resources, and remove resources.
5. Master can Define/Modify Phases, Sprints, Objects, Tasks
6. In retrospection Master can add the review of Sprint, comments & suggestions to improve.
7. Task Upload – Huge data can be directly uploaded into the system using this option (Excel file is uploaded with all the details of Phases, Sprints, Objects, and Tasks).
8. Associates can update their progress against the object/tasks, can request for new Tasks if idle.
9. Admin does not have access to this section.

User

**Fig: Level 1 DFD: Process: Report**

1. Master can see various Reports like Reports related to Delivery, Agile and Variance.
2. Master can see Worklist which shows the Status of all the Objects and their Tasks and download them in excel.
3. Master can see Resource Allocation reports, Resources Availability reports.
4. Master can do the Object Gap Analysis by Week/ Month for any project listed under him.
5. Master can see the Retrospection report of any project listed under him. Can view Defect list which will show all the defects reported and resolved.
6. Master can view Sub Task list and list of Delivered Objects.
7. Admin and Associate does not have access to this section.

User

**Fig: Level 1 DFD: Process: SME**

1. Any SME can register himself/herself in the System and when any Master/ associate needs help they can request assistance through this section.
2. Admin does not have access to this section.

JSP, HTML, CSS, JS, Bootstrap

Presentation Layer (Front End)

Servlets

Front Controller

Interfaces & their Impl Classes

Service Layer (BO)

Interfaces & their Impl Classes

Data Access Layer (DAO)

Stored Procedures, Triggers & Data Tables

Database (MySQL)