

# Unified System State – Frontend website Requirement

- Login for each tenant - User management (Admin user, Application User)
- Registration of New Tenant - Admin user or App user
- Super user/ Admin User privileges:
  - Create Project
  - Adding all the repositories (Application, DB, Infra)
  - Select CI tool (Jenkins or GitHub Actions)
  - Select Infra Tools (Terraform)
  - Select Application tools (Helm)

What is new project or tenant -- MB, NB, BOU, NBBL, etc.,

Create New Project (Mobile Banking)

1. Number of sub-modules (MB, CS, Admin, FE)
2. Each sub-module:
  - a. List of App repo ( s1, s2, s3,... etc.,)
  - b. List of SQL DB repos (...)
  - c. List of NoSQL DB repos (...)
  - d. List of Infra Repos (...)
  - e. Specify number of Stages and Names namely DEV, SIT, UAT, PREPROD, PROD, DR
3. Common repository which includes all the sub-modules into **Promo-{project\_name}** repo and Baseline branch is created with name **{bs-project\_name}**
4. Promo repo will contain a master branch which contains “**meta-sheet**”
5. Create Workflows with Pipelines
6. CI Tools (Jenkins or GitHub Actions)

Pipelines Catalog:

1. CI Pipelines (DEV)
2. CD pipelines (DEV, n-stages)
3. Promotion Pipelines
4. Validation Pipelines (DB, QA, UAT, Perf)

Promotion Pipelines:

1. Create Release Note
2. Generate configuration
3. Build Setup (makefiles, image builds, scans, pre validation scripts, etc.,)

4. Deployment Infra
5. Deployment DB
6. Deployment Application
7. Post validation
8. Reporting

Workflow: Is a combination of pipelines

1. Non-Production
  - a. SIT
  - b. UAT
  - c. Perf
  - d. preprod
2. Production
  - a. Prod
  - b. DR

Example of SIT workflows:

1. Backend
  - a. Admin Infra
  - b. Admin DB
  - c. Admin App
  - d. CS Infra
  - e. CS DB
  - f. CS App
  - g. MB infra
  - h. Mb DB
  - i. MB App
2. FE Pipelines
  - a. APK / IPA
3. QA Pipelines
4. Reporting Pipelines

