**MOBILE TOWER MAINTENANCE**

Architecture Diagram

Angular

UI

Common/Helpers

Web API

Service

DAL

Database

DB

Work Flow

Register MR

View MR List

Reassign MR

Close MR

View MR

can

Technician

View MR

can

Create User (Technician)

View/Update Technician

Admin

Lock/Unlock Technician

Lock/Unlock Technician

View Reports

(Log reports,request report)

Create Activity Log

can

Log Activity

System

**High Level Diagram**

**Angular**

* Components
  + SignIn
  + Technician
  + Report
  + Maintenance Request

**Web API**

* Controller
  + Account
  + Technician
  + Report
  + Maintenance Request
  + ActivityLog

**Service**

* Service
  + Account
  + Technician
  + Report
  + Maintenance Request
  + ActivityLog

**Repository**

* Repository
  + Account
  + Technician
  + Report
  + Maintenance Request
  + ActivityLog

**Database**

* Tables
  + Account
  + Technician
  + Report
  + Maintenance Request
  + ActivityLog

**Low Level Diagram**

**Angular**

* Components
  + SignIn
    - SignIn
    - Logout
    - Validate
    - Forgot Password
    - Change Password
  + Technician
    - Add
    - Update
    - Delete
    - Lock
    - UnLock
    - View Profile
  + Report
    - View Report Technician
    - View Activity Log Report
    - MR Report
  + Maintenance Request
    - Register MR
    - Reassign MR
    - Close MR
    - View MR List
    - View MR

**Web API**

* Controller
  + Account
    - SignIn
    - Logout
    - Validate
    - Forgot Password
    - Change Password
  + Technician
    - Add
    - Update
    - Delete
    - Lock
    - UnLock
    - View Profile
  + Report
    - View Report Technician
    - View Activity Log Report
    - MR Report
  + Maintenance Request
    - Register MR
    - Reassign MR
    - Close MR
    - View MR List
    - View MR
  + ActivityLog
    - Add Activity
    - Update Activty

**Service**

* Service
  + Account
    - SignIn
    - Logout
    - Validate
    - Forgot Password
    - Change Password
  + Technician
    - Add
    - Update
    - Delete
    - Lock
    - UnLock
    - View Profile
  + Report
    - View Report Technician
    - View Activity Log Report
    - MR Report
  + Maintenance Request
    - Register MR
    - Reassign MR
    - Close MR
    - View MR List
    - View MR
  + ActivityLog
    - Add Activity
    - Update Activty

**Repository**

* Repository
  + Account
    - SignIn
    - Logout
    - Validate
    - Forgot Password
    - Change Password
  + Technician
    - Add
    - Update
    - Delete
    - Lock
    - UnLock
    - View Profile
  + Report
    - View Report Technician
    - View Activity Log Report
    - MR Report
  + Maintenance Request
    - Register MR
    - Reassign MR
    - Close MR
    - View MR List
    - View MR
  + ActivityLog
    - Add Activity
    - Update Activty

**Database**

* Tables
  + Account
  + Technician
  + Report
  + Maintenance Request
  + ActivityLog