Scheduler

Create a new Route

Modify an existing Route

Review an existing Route

Mark maintence-task status successful or unsuccessful

Delete an existing Route

Route Plan Use Case

Field Worker

Auditor
User Manager Use Case

DB Wrapper

User Manager

- Create
- Modify
- Delete
- View

User Manager View

- Add a new user
- Update user
- Remove user
- View user

<<include>>
<<include>>
<<include>>
<<include>>
<<include>>
Route Alert Use Case

Field Worker

Scheduler

Receive

Route Alert View

Create
Modify
Delete
View

Notify route
- plans of route
- alert

Modify route
- notifier

Remove route
- notifier
Resource Management Use Case

Maintenance Resources
- Create
- Modify
- Delete
- View

Maintenance Resource View
- Add a new maintenance-resource
- Update maintenance-resource availability
- Remove a maintenance-resource
- View maintenance resource availability
- View maintenance-resource analytics

DB Wrapper

Route Scheduler
Manager
Data Management Use Case

Data Management View
- Add data source
- Modify data source
- Delete data source

Data Acceptor View
- Send data

Data Processing View
- Add processing algorithm
- Modify processing algorithm
- Delete processing algorithm
- Retrieve processing algorithm
System Analytics Use Case

DB Wrapper

Database Manager

- View Performance
- View Upkeep
- View Error / Debug Logs
- Clean Database

System Management View

- View System Performance
- Debug System
- Restart Database
DB Wrapper Use Case

DB Wrapper

Route Plans
- Create
- Modify
- Delete
- View

Locations of Interest
- Create
- Modify
- Delete
- View

Route Notifier
- Create
- Notify route-plans of route-alert
- Modify
- Delete
- View

Data Processor
- Process Data
- View Performance
- View Upkeep
- View Error/Debug Logs
- Clean Database
- Re-deploy Database