

## ROAD REPAIR AND TRACKING SYSTEM + Time: DateTime + Report: Report By: Ashish Padhy + Complaints: List 121CS0196 Report RRTS + Time: DateTime + Resources: List + Complaints: List + RepairSchedule: RepairSchedule Complaints Road: String Description: String + Name: String Resources 0∔.\*Subscription: Boolean + Username: String + Name: String + Area: Area RepairSchedule + Age: Integer + Quantity: Integer + User: Users + Time: DateTime - Phone: String + Allocation: Repairs Severity: Low | Medium | High + Repairs: List - Password: String Status: Pending | InProgress | Completed + Price: Integer + login(username, password) changeStatus(status) changeQuantity(quantity) changeSeverity(severity) + register(name, username, age, phone, password) checkStatus( + checkSeverity() Repairs **Admins** + Status: Pending | InProgress | Completed + Supervisors: List + Priority: Low | Medium | High Residents + AssignedTo: Users - Resources: List + Area: Area + Area: Area - RepairSchedules: List - Complaints: List + Resources: List - allocateResources(name, quantity, allocation, price) - Updates: List + Complaints: List - createRepairSchedule(time, repairs) + raiseComplaint(road, description, subscription, area, user, severity) - changeStatus(status) - checkResources() + getUpdates() - changePriority(priority) - checkRepairSchedules() + checkStatus() + checkResourceRequests(supervisor) + checkPriority() Supervisors + Area: Area Mayor - Repairs: List + City: String Resources: List - Admins: List - RepairSchedule: RepairSchedule Reports: List + assignRepairs(status, priority, assignedTo, area, resources, complaints) + generateReport(time, resources, complaints, repairSchedule) + requestResources(name, quantity, allocation, price) - checkRepairs() - checkRepairSchedule() Area + Name: String + Address: String + Region: String + Country: String + getResidents()