Smart Waste Management System

**1. Waste Bin**

* binID: int
* location: String
* capacity: double
* currentLevel: double
* fillPercentage: double
* binType: String
* status: String
* lastEmptied: String
* manufacturer: String
* isSmartBin: boolean

**2. Waste Collection Vehicle**

* vehicleID: int
* driverName: String
* vehicleType: String
* fuelCapacity: double
* currentFuelLevel: double
* status: String
* routeAssigned: String
* lastServiceDate: String
* maxLoadCapacity: double
* gpsCoordinates: String

**3. Waste Management Staff**

* staffID: int
* name: String
* role: String
* contactNumber: String
* email: String
* address: String
* shiftTimings: String
* salary: double
* joiningDate: String
* assignedVehicle: String

**4. Smart Sensor**

* sensorID: int
* binID: int
* batteryLevel: double
* status: String
* sensorType: String
* lastMaintenanceDate: String
* temperature: double
* humidity: double
* signalStrength: double
* installationDate: String

**5. Waste Collection Schedule**

* scheduleID: int
* vehicleID: int
* binID: int
* collectionDate: String
* collectionTime: String
* status: String
* routeDetails: String
* driverAssigned: String
* shiftTiming: String
* notes: String

**6. Recycling Center**

* centerID: int
* location: String
* capacity: double
* currentOccupancy: double
* status: String
* lastInspectionDate: String
* facilityType: String
* contactNumber: String
* operationalHours: String
* wasteTypeAccepted: String

**7. Smart Waste Management System**

* systemID: int
* name: String
* version: String
* status: String
* lastUpdate: String
* maintenanceSchedule: String
* totalBins: int
* totalVehicles: int
* totalStaff: int
* adminContact: String

**8. User Profile**

* userID: int
* username: String
* password: String
* email: String
* contactNumber: String
* address: String
* role: String
* signupDate: String
* lastLogin: String
* preferences: String

**9. Feedback**

* feedbackID: int
* userID: int
* message: String
* rating: int
* dateSubmitted: String
* status: String
* response: String
* responseDate: String
* attachment: String
* followUpRequired: boolean

**10. Notification**

* notificationID: int
* userID: int
* message: String
* timestamp: String
* readStatus: boolean
* priority: String
* notificationType: String
* link: String
* isActive: boolean
* expiresOn: String