



DataStorageUML Documentation Overview

- **DataStorage**: Manages a map linking patient IDs to their `PatientData`.
- **PatientData**: Encapsulates all health-related metrics and a timestamp.
- **Metrics**: Stores detailed health metrics for a patient.
- **ECGData**: Contains ECG waveform data and sampling rates.
- `storeData(data: PatientData)`: Saves or updates patient information.
- `retrieveData(patientId: int)`: Fetches data for a given patient ID.
- `deleteData(patientId: int)`: Removes patient data from the system.

Designed for modularity and ease of access, ensuring data integrity and supporting quick data retrieval and updates essential for real-time health monitoring.