

Database Structure

The Database Group

Legend		
PK	Primary Key	
NN	Not Null	
	Optional	

User Database

Sensor Database

User Collection		
PK	email	String
NN	firstName	String
NN	lastName	String
NN	password	String
	phone	Integer
	postcode	String
NN	ownedSensors	List of Sensors

SensorInfo Collection		
PK	serialNumber	String
NN	email	String
NN	status	String
NN	lat	Float
NN	lon	Float

SensorReading Collection		
PK	sensorReadingID	Integer
NN	serialNumber	String
NN	timeStamp	Timestamp
NN	VOC	Integer
NN	CO2	Integer
NN	SPM1	Integer
NN	SPM25	Integer
NN	SPM10	Integer
NN	AEC1	Integer
NN	AEC25	Integer
NN	AEC10	Integer
NN	status	String
NN	lat	Float
NN	lon	Float