

**Sri Lanka Institute of Information Technology**

**Software Engineering Specialization**

Distributed Systems (SE3020)

Programming Assignment 1

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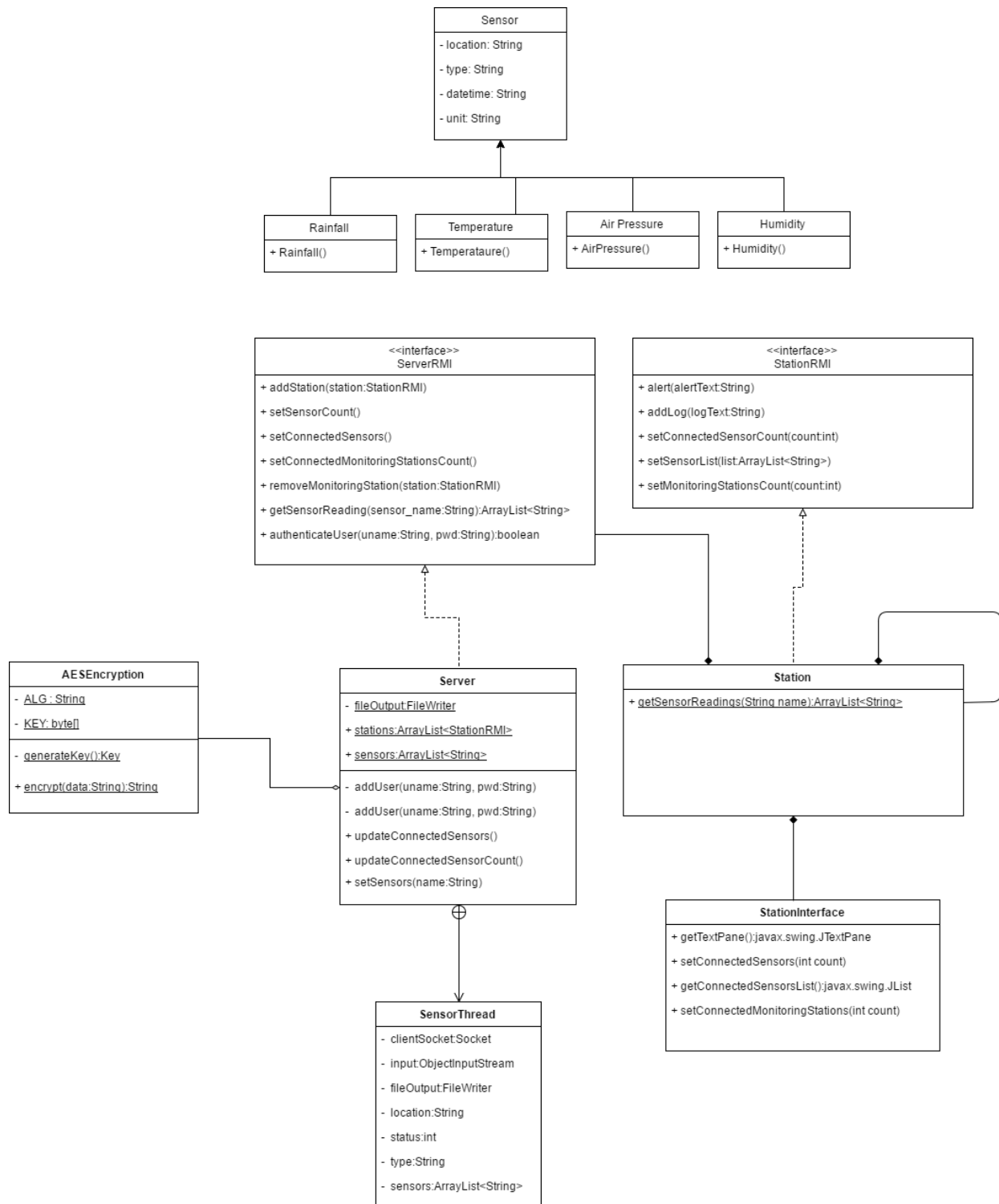


Figure 1: Class Diagram

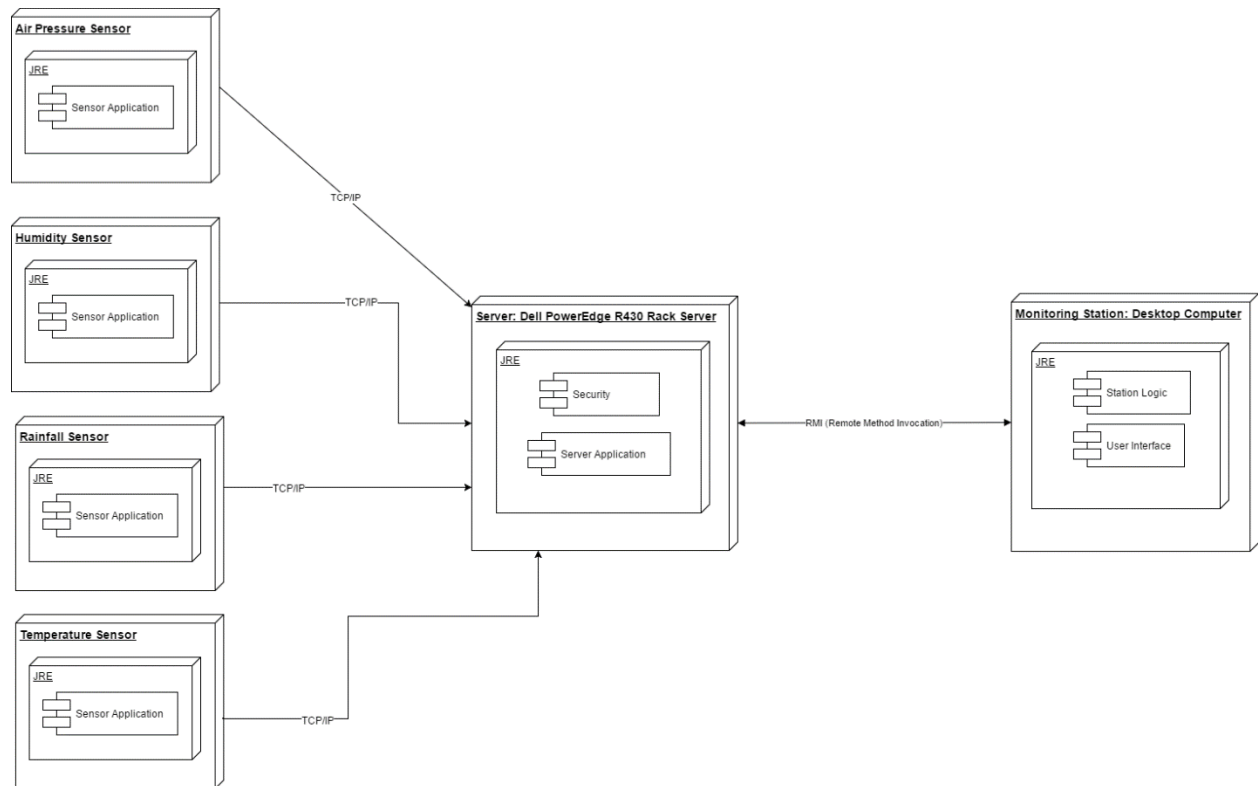


Figure 2: Deployment Diagram

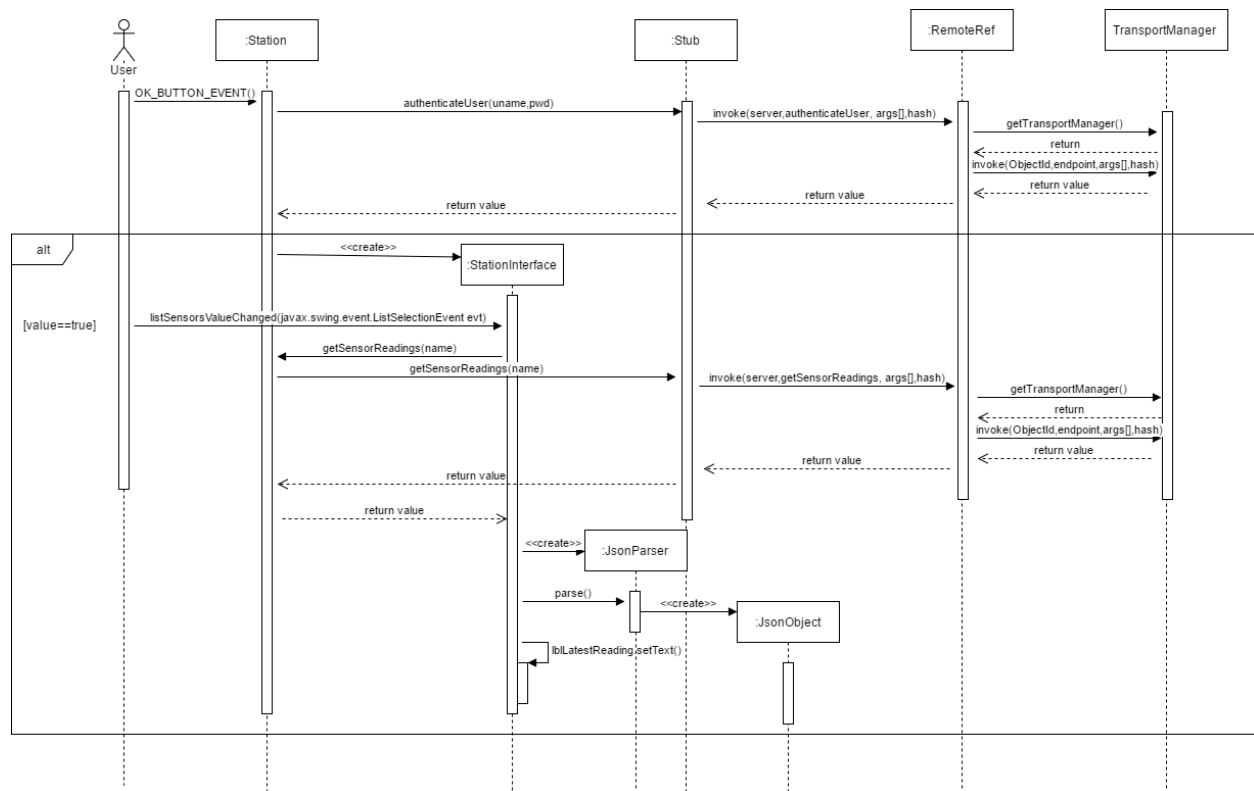


Figure 3: Sequence Diagram - Get Latest Sensor Reading

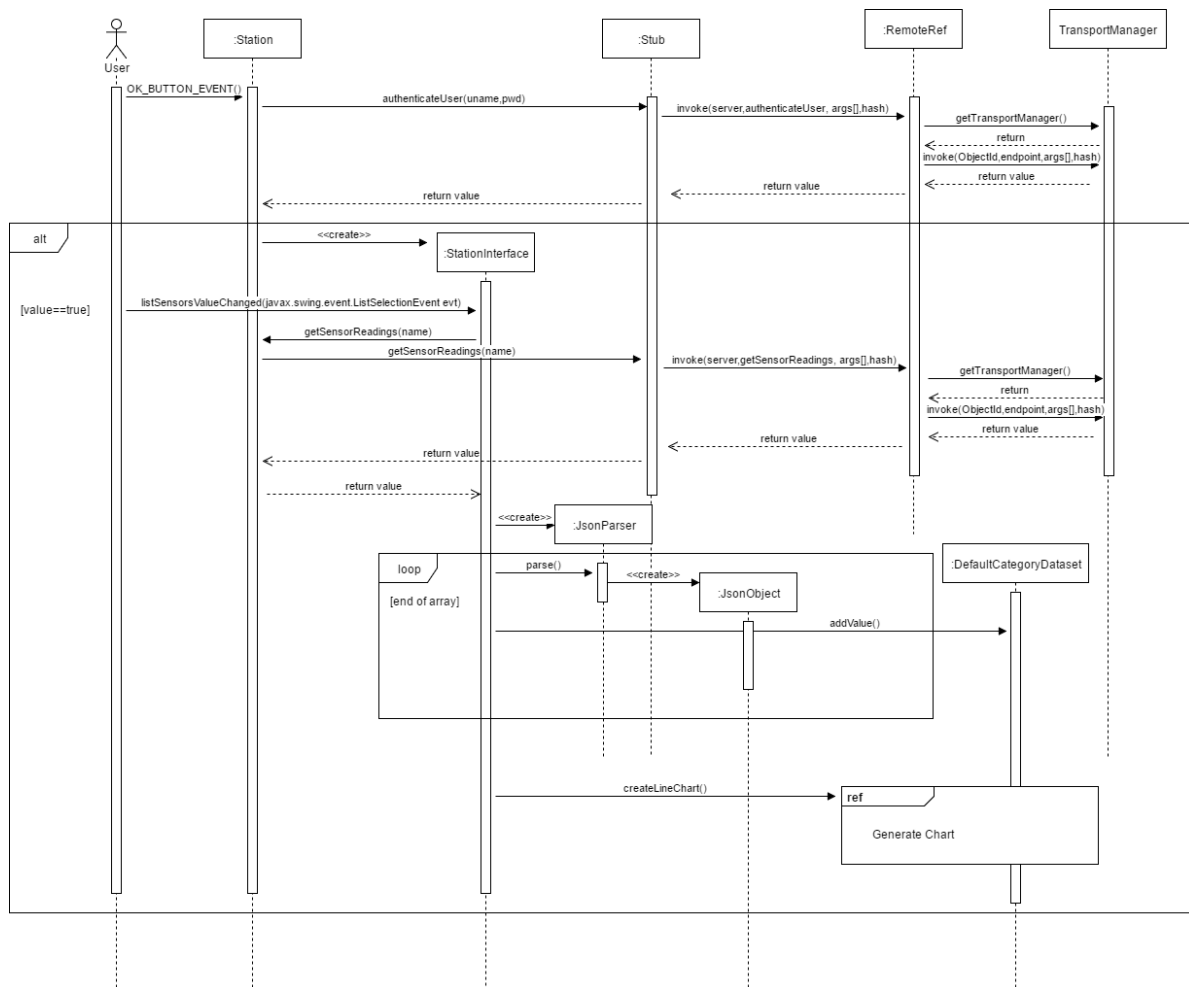


Figure 4: Sequence Diagram - Get Sensor Readings and Display them in a graph

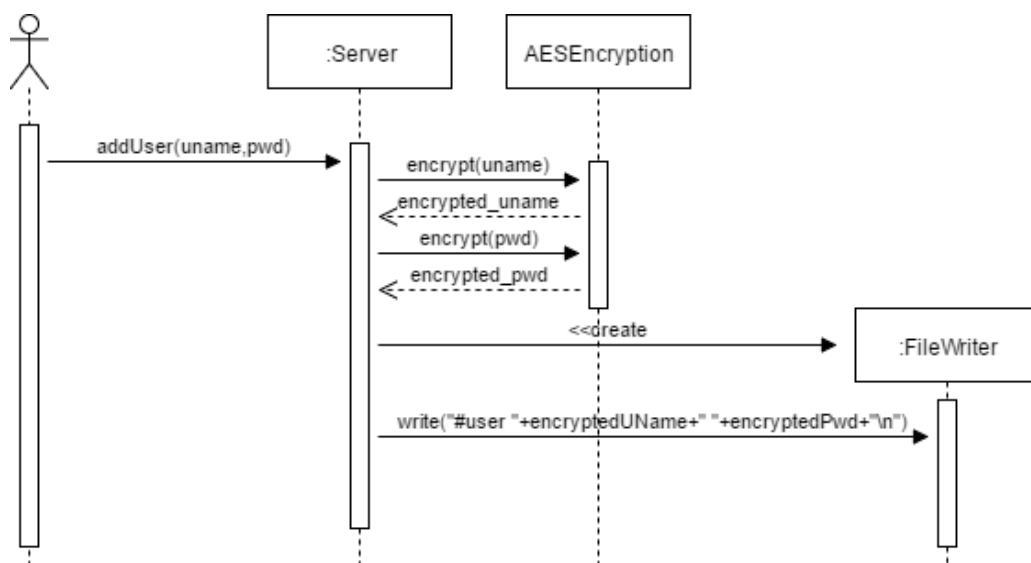


Figure 5: Add New User (Server-side)

Assumptions:

- Weather sensors from various locations are connected to a single server.
- User management is handled in the server side. \*\*
  - Adding new users (Monitoring stations)
  - Removing existing users (Monitoring stations)

\*\*Please refer to the Users' Guide attached.