MileStone 1

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Description

- The T1 project

  - SIS system receives messages from Temperature component

- Temperature Component

  - Reads stream from file created by Temperature sensor

- Could it be better

Room

- Patient temperature alone is Naive

  - What about his environment

- Take ambient temperature of room

  - Two temperature sensors connected to SIS

- Central Component issues alert on a disparity

Architecture

- Create central component that reads temperatures

  - TS1 - Patient temperature

  - TS2 - Ambient temperature

- Reduces number of messages

- Unified Component creates GUI component

  - Displays the current values of both temperatures

  - *(display predicted value?)*

Scenarios

- Patient temperature too high

  - He might have drank a coffee? **ALERT**

- Room temperature too cold

  - Fragile patient might catch cold, **ALERT**

Messages

- CreatePatientAmbientTemperatureGUI - (ID:46)

  Passcode: ****
  SecurityLevel: 3
  Name: PatientTemperature
  SourceCode: PatientTemp.jar (Source code file name of created Component)
  InputMsgID 1: 45 (Patient temperature reading)
  InputMsgID 2: 46 (Ambient temperature reading)
  OutputMsgID 1: 38 (Emergency alert)
  OutputMsgID 2: 22 (Kill component)
  Component Description: Component reports on disparity

- CreatePatientAmbientTemperature

  Passcode: ****
  SecurityLevel: 3
  Name: PatientTemperature
  SourceCode: PatientTemp.jar (Source code file name of created Component)
  InputMsgID 1: 45 (Patient temperature reading)
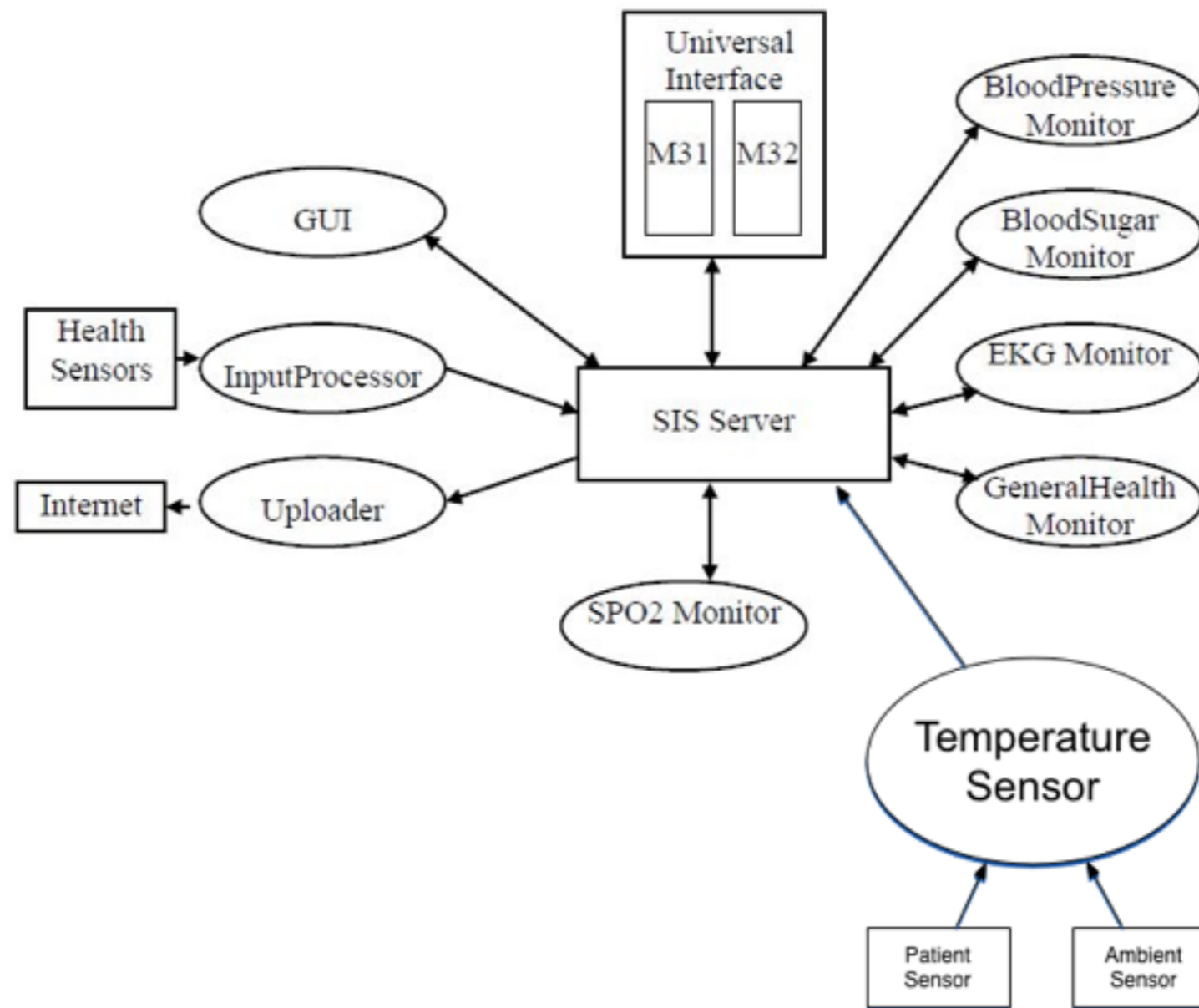 InputMsgID 2: 46 (Ambient temperature reading)
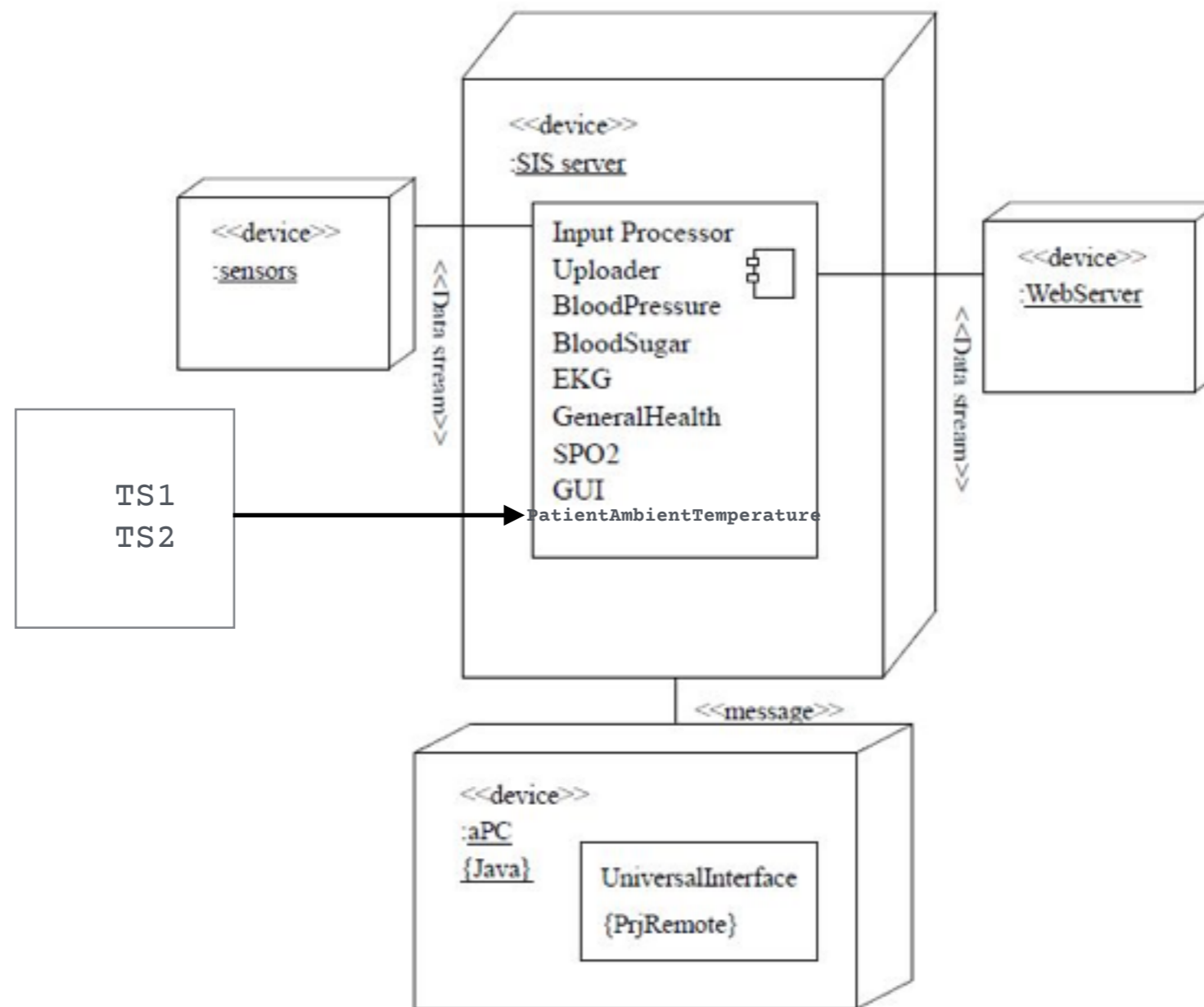 OutputMsgID 1: 45
  OutputMsgID 2: 46
  OutputMsgID 3: 38 (Emergency alert)
  Component Description: Component reports on disparity

System

System

Thank You