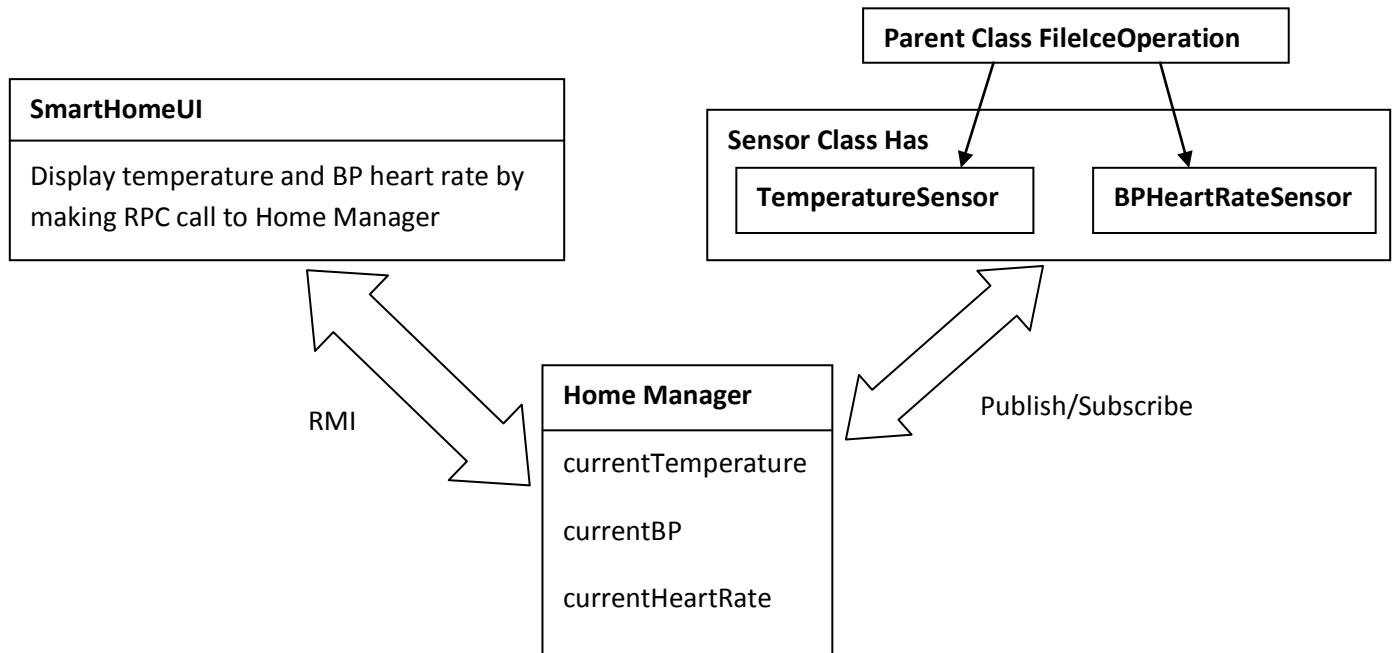


Assignment 2 Part A Solution



The following are the java files present in the solution:

1. BPHeartRateSensor.java
2. FileceOperation.java
3. HomeManager.java
4. Sensor.java
5. SmartHomeUI.java
6. TemperatureSensor.java

The communication between the Home Manager and Sensor is using the event notification because the sensors keeps sending data every now and then, while the communication between the User Interface and Home Manager is using the Remote Method Invocation procedure because the user interface will request the data when needed and home manager will provide the data. The design of the solution is as shown in the figure above.

The solution is developed using Java Eclipse IDE and ICE Distributed Computing platform.