

Project Architecture Preparation

Overview

You will start to prepare an architectural description for your project. This initial description will include hardware and software views.

You will turn in a written report that provides an initial description of both hardware and software elements of the architecture:

- Your hardware description will give a block diagram that identifies specific components to be used. For example, if you need a Bluetooth interface, what part(s) will you use?
- Your software description has two major components. One is a class diagram of the major objects in the software. The other is a set of sequence diagrams. Each sequence diagram corresponds to a use case of your system.

Each team will make a 15-minute presentation in class that should cover the material in the written.

You Should Turn In

A written report:

- Hardware block diagram with part numbers for all components; attach the data sheets (except for PSoC board) as attachments.
- UML class diagram for all software.
- UML sequence diagram for each use case.

A presentation in class:

- Review requirements.
- Hardware block diagram.
- Class diagrams.
- Use cases and sequence diagrams.