Latch 1: Former Apple Employees Building a New Product - Latch 1

Overview
The objective is to integrate the A1001 Network Door Controller with the Latch server to securely manage user credentials, access permissions, and other Latch defined events via the A1001 Network Door Controller. Which to eventually make this combined system function in the same manner as our existing smart locks.

Objectives
- Explore and setup I/O between Latch Home System and Axis controller
- Develop an interface between the AXIS Controller and the existing Latch infrastructure to make date transfer between the two feasible.
- Design a flow that describes the high-level implementation of the solution(s) developed
- Write the actual code after pseudo code drafts

Approach
- Conduct 2 week sprints using Scrum to organize our main objectives
- Had weekly calls with our sponsor, Travis, to go over our completed tasks for the prior week
- Traveled to Latch’s headquarters in NY to understand project scope and receive axis controller
- Research and record Axis controller’s actions, events and related notes
- Design parser for response from Axis controller
- Purchased Arduino and MBED to simulate latch’s lens for testing

Outcomes
- The main outcome of the project was an intellectual one (work done in software)
- The team formed a chart for different Axis controller’s actions and events
- The team built parser to parse JSON format response
- The team understood APIs of the Latch server and the AXIS Controller
- Flow diagrams were created that showcase the different solutions that may be plausible to solve the problem