**­Solution 1**

**Overview**

Standard single board display with touch screen

Located in front of stairs at atrium

Display would show information about classrooms and lab times

**Necessary Components**

Touch screen display

ID reader

**Programmatic Technology**

AngularJS

PHP/Java Spring

C#

**Solution 2**

**Overview**

Touch screen display and 2 iPads

Touch screen display for outside stairwell by atrium

iPad near the stairwells opposite of the atrium

**Necessary Components**

Touch screen display

2 iPads/tablets

**Programmatic Technology**

AngularJS

PHP/Java Spring

C#

Swift

**Solution 3**

**Overview**

3 iPads, one located by the atrium, two outside the staircases on the opposite side of the building

**Necessary Components**

3 iPads

**Programmatic Technology**

AngularJS

PHP/Java Spring

Swift

**Overall Features:**

* Display important information about professors:
  + Email
  + Room number
  + Phone number?
  + Office hours
  + Etc
* Have some way to gather the information from the professors (professors not going to update it themselves)
  + Some sort of form on a website they can fill out?
* Some way to scan a student’s ID, get their schedule, then display information based on their schedule
  + Show professors, and then choose which room they want to map to
* Map to certain rooms
  + QR code for the map to load up on your phone
  + Quick link for phones to bring up the map
* Scalability: pick your department
  + Displays all professors part of that department
  + Picture of professor with their name underneath
  + Search bar that would allow you to search by professor name
* Easy way for IST staff to update information
  + Somehow combine the information on the current website and the board such that it only needs to be updated in one place