# Analysis

## Proposed solution

An iOS application to introduce new students to the school as outlined in criterion A.

*Requirement specification*

## It system requirements

Hardware: iPad (4th generation), 9.7-inch Retina display **-find actual model**

Software: iOS, swift ide of some sorts

## System interaction

Compatibility of the mac development environment I will be using with the actual ipad, mostly resolution of the screen.

## Input/output requirements

### Development

Input: the rooms that will have to be included, the type of information to be displayed,

### Product

Input: GPS position (automaticaly through device)

Output: information about each of the rooms, map of rooms to orient oneself

## Processing

### Development

Edit the layout of rooms in the school in Inkscape

### Product

Use *whatever* to package inputs into an app

## Security

### Development

A use of version control to prevent losing files for development or making a critical mistake. Git

### Product

Only accessible on school devices

**Specific performance criteria**

user friendly design, intuitive controls

high resolution map of rooms

correct and relevant information for each room

accurate positioning system

**Justification of chosen solution**

* whether the student has the IT skills and access to the software required to develop the IT solution
* whether the client's hardware and software is compatible with the IT solution
* the level of training necessary for the client to use and maintain the proposed IT solution
* to what extent the input and output requirements of the client are met by the IT solution
* whether the data required for the IT solution can be obtained by either the client or the student
* how any security implications for the development and operation of the IT solution can be resolved

250-350 words