Criterion F: Product evaluation and future product development

> ➢ Provide an easy way to orient around the different parts of the ISHR campus

The application features a fullscreen integrated map layout of the school with comprehensive annotations showing all important locations. The user can see their own location as detected by the iPad in relation to the school's building which makes it easy to orient.

> ➢ Include user-friendly and minimalistic GUI

The view of the application is not cluttered by unnecessary obstructions to the map which is its main purpose. The interface contains only two switch buttons that give the user some control over the map view but otherwise provide the ease of navigation that is central to the application. Additionally, there is a possibility of displaying a side menu with all the locations conveniently sorted to have a better overview of what the school offers.

> ➢ Provide only the most relevant information about each section of the school

Each annotation for every mark contains a title and brief information about its location. This includes the building it is in and whether it is up or downstairs. Additionally, there is a possibility to click the info button and reveal an alert message with a more detailed description of the location.

> ➢ Display the layout of the school campus in a simple manner

The user has the ability to use the default home view which displays the basic layout provided by the apple maps. This forms the basis for navigation around the school. There is also the possibility to switch to a satellite view to see the real-life view of the school campus and help the user orient in relation to real-world view.

> ➢ Compatible with the school provided iPads

The Xcode IDE provides with tools that allow for the development of a GUI that is responsive and compatible with most IOS devices. Since I was aware of the specific type of device I was developing for since the beginning I made sure to cater to it specifically through the Xcode storyboard view.

Recommendations for future development of the product

While simplicity was one of the main design features of the application, there are things that could provide more functionality to the user, even if it would mean rising the complexity. The side menu with locations could be supplemented with thumbnails of each of the places. Better yet, the whole menu could be replaced with a separate screen with a more detailed view and options, such as sorting by type or distance. This would give the user a better overview of each of the sections. The map itself could be developed further, from the default map view into custom building layout. This could be done using the newly released Indoor Mapping Data Format. This would allow to use a floor plan in an appropriate format and load it in the map environment for more detail about each room. The accuracy of the location could also be improved by utilizing the Apple iBeacon technology for indoor positioning. Both of these suggestions for future improvement would benefit the user with

smoother and more enjoyable experience. The client would benefit because there would be no ambiguity about the location of any room since access to where it is would be much easier and precise.