**Requirements**

**1. Hardware**

**1.1** I will provide a laptop with a webcam that will be able to take in the QR code and give out the directions to the destination.

**1.2** I will provide external speakers that can be plugged into the laptop.

**1.3** We may need a printer to print out a map of the college with directions printed on it.

**2. Software**

**2.1** The main software used for this project will be Eclipse where the program will be written.

**2.2** The next bit of software that will be required will be a QR reader for your smart phone. Once you have this you will be able to read the QR code that will be generated.

**2.3** UML Editor

**2.4** Excel/Word

**2.5** Github

**3. User Interface**

**3.1** For this section we will need the working QR code that gives the user the destination and directions that they will need.

**3.2** This part is where the user can choose to have the information, i.e. directions, texted or emailed to their phone.

**4. Performance**

**4.1** The performance of the project will be determined by how quick can the information be processed and will the resulting information get the user to their destination as quick as possible.

**5. Safety**

**5.1** There will be firewalls built into the software to prevent it from being hacked.

**5.2** The cleaning schedule will also be taken into consideration to make sure that the user would not hurt themselves on a wet floor.

**6. Ethical**

**6.1** A consideration will have to be taken if the user is wheelchair bound. If they are then every elevator will be made clear to them on the map along with all disabled toilets.