Introduction:

In the 21st century, everyone is talking about speed and efficiency. A lot of traditional tools, such as newspapers, letters, and books have been replaced by electronic ones. We think that the traditional mall directory is wasting a lot of resources. When one of the shops is moved to another location, the directory will need to be rebuilt, so it is a waste. Why don’t we use an electronic one to reduce the waste? Most Hong Kong people use a smartphone, which can provide a multimedia platform to promote shops and do other actions, so we think that it is a great platform for us to use to replace traditional directories.

Objectives:

Shopping Mall Function include five main function
1. The Shopping Mall Map
2. Queue-up function for Restaurant
3. Shopping Notes
4. Promotion of shops
5. Chat room

System Block Diagram:

Programming Language Used:

1. Android Software Development Kit
2. OpenGL
3. Java

Result:

Main function of the program, it will connect all the other function for the clients used. The clients can select all the shopping mall function very easily.

The main part of the program, it will display the floor map of the shopping mall and it can auto routing the shortest path for the client.