**Software required for this project**

|  |  |  |  |
| --- | --- | --- | --- |
| NO | NAME | PURPOSE | NOTES |
|  | Android Studio | Platform to build native android application for this project | * Members have to sharpen their java programming skill * Members have to sharpen their OOP concept skills * Members have to learn XML in order to producing good GUI for this project |
|  | SQLite | Platform for building database for android application | * Members have to sharpen their database skills |
|  | ERDPlus | Online platform for building database diagrams | * Members have to sharpen their ER diagram skills * Members have to learn how to develop Relational diagram |
|  | StarUml | Platform for building Use Case diagram and Sequential diagram | * Members have to sharpen their skills in developing the best diagrams for both Use Case and Sequential |
|  | Google API  (GPS) | Program Application for allowing using google services | * Members have to discover the API that should be integrated for this project |

**Tutorial recommended for members of this project**

1. For insight of building android application using android studio

* <https://developer.android.com/training/basics/firstapp/index.html>

1. For refreshing Java and OOP skills

* Pass lectures on Object-Oriented Programming

1. For resource on learning XML

* <http://www.w3schools.com/xml/>
* <https://www.tutorialspoint.com/xml/>

1. Resource on how to build database using SQLite

* Pass lectures on database
* <https://www.tutorialspoint.com/android/android_sqlite_database.htm>
* <https://developer.android.com/training/basics/data-storage/databases.html>

1. Site for ERDPlus

* <https://erdplus.com/#/>

1. For refreshing skills on UC diagram and Sequential diagram

* Pass lectures on both diagram

Notes: -

* Members have to learn and discover what algorithm for calculating the most appropriate distance.
* Members have to learn how to apply the algorithm that have been discovered.
* Members have to find out a way on how to input data from this application to the navigation app that would be used to be integrated together.