1. Develop an analysis-level class diagram for your group project.

2. Create a system-level activity diagram and a set of use case (function) -level activity diagrams for your group project. For example, if you have five (non-generalized) use cases, and you need to turn in one system-level use case diagram and five activity diagrams. That means the number of function-level activity diagrams is the same as the number of non-generalized use cases.

Analysis-level class diagram:

Path

transportation

coordinateList

estArriveTime

Query

searchContent

queryLocation

User

currentQuery

currentLocation

queryHistory

EventQuery

date

eventList

FacilitieQuery

facilitieList

Coordinate

longitude

latitude

History

QueryList

Event

date

eventLocation

eventDiscription

ticketPrice

Facility

name

discription

location

path

System-level activity diagram:

Search restaurant for user

Open the app

Search classroom for user

Enter key word and select searh type

Display result list on screen

Search parking lot for user

Search parking ticket Kiosk for user

View history search

Search parking ticket Kiosk for user

select an search history to view

Search event for user

User select a destination

User select an event

Display event detial

guide user to destination

Finish user request

Use case (function) -level activity diagrams

\* Search restaurant for user

check internet and GPS connection

Get current user position

Search restaurant for user

Search the possible destination

User activate internet and GPS

Tell user activate internet and GPS

Return possible destination list

Can not find destination

\* Search classrom for user

check internet and GPS connection

Get current user position

Search classrom for user

Search the possible destination

User activate internet and GPS

Tell user activate internet and GPS

Return possible destination list

Can not find destination

\* Search parking lot for user

check internet and GPS connection

Get current user position

Search parking lot for for user

Search the possible destination

User activate internet and GPS

Tell user activate internet and GPS

Return possible destination list

Can not find destination

\* Search parking ticket Kiosk for user

Search parking ticket Kiosk for user

check internet and GPS connection

Get current user position

Search the possible destination

User activate internet and GPS

Tell user activate internet and GPS

Return possible destination list

Can not find destination

\* Search events for user

Search events for user

check internet

Search the event on csun website

User connect to internet

Tell user connect to internet

Return events list

Can not find events

\* view history

Search the user selected keyword

Display the history keyword list

\* guide user to destination

display user location on map

Up data user location

Get current user location

Reach destination