**Introduction**

- **Goal**
  - This project is aiming to use and combine some types of online services to create a mobile travelling system for Dublin.
  - Mobile-based applications based on this system will implement several functionalities for tourists:
    - Search and manage places of interest (POI) info.
    - Sharing travelling experiences with each other by means of reviews, rating, or photos.
    - Plan a route based on user-defined locations.

- **State of the Art**
  - Evaluate some similar applications (mobile-based application & web-based application) from the following aspects:
    - Plan user-defined routes
    - Support multiple-modal transport
    - The way to search POI information
    - Offer a platform to allow users to share travelling experience by means of reviews, rating, or photos
    - Translation service
    - Weather service

**Design**

- Components involved in this system
- POI Information System
- STIS Web Service
- Prototype Application running on iOS

**Evaluation**

- POI Information System
  - This system offers some interfaces that allow clients to query information about POIs.
- STIS Web Service
  - This system is built on the STIS.
  - It provides some interfaces that allow clients to query a route based on user-defined location.
- Prototype application
  - This application invokes previous two systems to implement corresponding functionalities. E.g., search and manage POI info, manage users’ info, or share travelling experiences with each other by reviews, rating, or photos.

**Further Work**

- Share photos between users about a certain POI
- Involve more utilizable Internet services for this mobile system, such as traffic congestion service, weather service, ticket/hotel booking service, etc.
- Reduce the size of outgoing data for optimizing the flow rate