**Final Project INFO 5100**

**A Subway Line Regulatory System**

**Problem Background:** Traveling by subway has become a daily routine for people who live in Boston. But there still have some inconvenient problems in this seemingly mature system such as subway time delay, unknown subway time, subway transfer guide, subway station safety factor assessment and so on.

The **purpose** of this project is to build a unified public subway supervision and evaluation system to make passengers have a better user experience. On the other hand, this system also combines booking system, managers could add new subway station or temporarily delete some subway stations, and passengers could book their ticket in a visual map interface with some information they concern.

**Application Key Functionalities:**

* As a manager, I could formulate some specific rules to evaluate subway late-arrival coefficient and Itinerary safety coefficient;
* As a manager, I could add or delete some subway trains
* As a manager, I could add new subway station with some default information;
* As a manager, I could delete or change some unimportant subway stations;
* As a manager, I could see or make change for all passengers’ ticket information;