**Relational databases Project Proposal**

**Group 7 (Lee Soo Jin, Park Kyeong Won)**

1. What kind of **topic** are we interested to work on (e.g. food, music, environment, travel, books, health, sports, etc.)? Who could be the target users for this application?

We are interested in **a recent boycott movement of SPC** and, would like to create an app that helps people to stay informed and join the boycott easily. The target users are Seoul citizens, who are willing to join the boycott, who want to know which stores are SPC brands, and where they can go instead.

1. Where can we obtain **data** for this topic? Are they available online freely? Should we create some data ourselves? We’ll need around 8,000–10,000 rows in total to make it a meaningful database to work with.

We can obtain data for this topic on ‘**Open Government Data portal’**. It provides information about shopping malls and stores’ locations, which is available online freely.

<https://www.data.go.kr/dataset/15012005/fileData.do>

1. What **forma**t is the raw data in (csv files, JSON, non-structured files, etc.)?

The format of the raw data would be in **csv** files.

1. How feasible would it be to transform this data into a MySQL DB? We will need to create suitable tables and possibly **clean** the data too.

We can import the csv file as a table in MySQL DB, after we clean the data. We can filter only SPC related brands among the raw data using python or excel.

1. Based on the dataset(s) that can be found for this topic, how do we narrow down the topic and functionalities to something specific for the target users (e.g. Statistics for air quality in Seoul, Flight/hotel search and comparison)

We can narrow down the functionalities according to our intention to help a boycott. We can help people get information by providing brand lists, locations, or related news articles. We can also help people to share their opinions, experience, or tips regarding the boycott with each other.

1. How long will it take for us to develop the database and front-end application?

We are not sure how it will take to develop at this point, yet.