

Project: Student Travel Exchange

Our project focuses on the domain of university students and their holiday travelling.

Many university students plan to travel during holidays and reading breaks, and two problems arise:

1. What are the places that students like to visit?
2. How to make use of the residence when the student is left?

University students are usually curious about what life is like in other universities. For example, a UBC student would probably like to experience student life in University of Toronto, McGill University, or University of Washington, and vice versa. Why not build a platform for university students to exchange each other's residence and experience campus life and in a different place for a couple of days? Also, for travelling students, it is usually cheaper to live in student residence than in hotels. They need a platform to find available rooms that fit their budget and schedule.

The aspects we are going to model will be the information relevant to university students, who plays two roles --- host and traveller. A student's information will include name, university, student id, age, gender. As a traveller, the student will have anonymous ratings. As a host, the rating is given per residence anonymously. The residence information is another entity related to student. There is a draft ER diagram on the next page.

There will be 2 kinds of users to login --- student and administrator. A student will have 2 views, a host view and a traveller view. We will allow users to do the following things with the functions we will provide in our application:

1. A student can register an account on our platform.
2. A student, as a traveller, can choose an area (e.g. Ontario), and get all the student exchange information from universities in that area.
3. A student, as a traveller, can post/cancel a request for renting a place in an area, a city, or a university.
4. A student, as a host, can post/cancel his renting period and residence information.
5. A student, as a host, can reply to traveller's requests if he or she has a room to offer.
6. Two or more students can exchange their residences for a period of time, in this case, a hosting record and a travelling record will be created for each student.
7. An administrator can help students reset the password, junk posts and outdated information.

Our project will be done using CS department's Oracle database. We will use Java as programming language and JDBC as the data access API. We are not planning to use any special software or hardware so far.

