Team Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab Section: \_\_\_ Teacher Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Systems Analysis & Design – Assignment 1: Requirements & Use Cases

You are working with the case **Spring Breaks ‘R’ Us** (**SBRU**) Travel Service. The four major subsystems of the solution being proposed are:

* Resort Relations
* Student Booking
* Accounting & Finance
* Social Networking

## Chapter 2 Questions (page 66)

1. Who are the stakeholders for SBRU? For each type of stakeholder, which subsystems of the SBRU booking system are of particular interest?
2. What are the main functional requirements for each of the four major subsystems?
3. Describe some usability requirements for student booking interactions and social networking interactions.
4. Assuming that social networking at the resorts will require wireless communication and connection to the Internet, what are some reliability requirements that resorts might be asked to maintain? What are some performance requirements? Is this a bigger issue because resorts are in international locations?
5. What are some security requirements? Is there any reason why students in Europe, Asia, or other locations could not book rooms through SBRU? What issues might be anticipated?
6. To collect information on functional requirements for the social networking subsystem, what are some techniques that might be used? Be specific and include some sample questions you might ask by using various techniques.

## Chapter 3 Questions (page 91)

1. Use the event decomposition technique for each event you can identify in the description of the *Booking* subsystem.
   1. Name the event (as in who-does-what)
   2. State the type of event (trigger type)
   3. Name the resulting use case. Draw a use case diagram for these use cases.
2. Consider the new *Social Networking* subsystem that SBRU is researching. Think in terms of the user goal technique to identify as many use cases as you can think of that you would like to have in the system. SBRU is guessing you might want to join, send messages, and so forth, but there must be many interesting and useful things the system could do before, during, and after the trip. Draw a use case diagram for these use cases.

## Hand In

* Zip your answers into a single file and upload it to the assignment folder on eConestoga … only have one team member upload per team.
* Hand the marking sheet in during the lab period for the week it is due, with your team name, lab section number and teacher name.