

Assignment 01: Stakeholder identification, Use case modelling

Due date:	Week 08. Friday 8 th September 2023, 5:00pm
Weighting:	30%
Length and Format:	Microsoft word document
Assessment Details:	Given a case study <ul style="list-style-type: none">● identify stakeholders● distinguish functional and non-functional requirements. ● identify the system requirements,● model the domain, and● model use cases.
Assessment addresses SLOs	A: Analyse (identify and categorize) stakeholders and investigate their requirements in system design process B: Critically examine and select appropriate models for software design C: Design and develop Unified Modelling Language diagrams to convert business requirements into system specifications
Marking Criteria	Please refer to Marking Rubric on Canvas

Case Study (satzinger, Jackson, & Burd, 2015)

Spring Breaks 'R' Us (SBRU) is an online travel service that books spring break trips to resorts for college students. Students have booked spring breaks trips for decades, but changes in technology have transformed the travel business in recent years. SBRU moved away from having campus reps

with posted fliers and moved to the Web early on. The basic idea is to get a group of students to book a room at the resort for one of the traditional spring break weeks. SBRU contracts with dozens of resorts in key spring break destinations like Florida, Texas, the Caribbean, and Mexico. Its website shows information on each resort and includes prices, available rooms, and special features. Students can research and book a room, enter contact information, and pay deposits, and final payments through the system. SBRU provides updated booking information, resort information updates, and travel information for booked students when they log in to the site.

The resorts also need access to the information from SBRU. They need to know their bookings for each week, the room types that are booked, and so forth. Before the spring break booking season starts, they need to enter information on their resorts, including prices and special features. Resorts need to be paid by SBRU for the bookings, and they need to be able to report and collect for damages caused by spring breakers during their stay.

SBRU has recently decided to upgrade its system to provide social networking features for students. It is currently researching possibilities and collecting information from prospective customers about desirable features and functions. From the business standpoint, the idea is to increase bookings by enhancing the experience before, during, and after the trip.

SBRU decided to develop the system with four major subsystems, resort relations, student booking, accounting and finance, and social networking.

Task: Identifying User Stories, requirements, and Use cases

1. Who are the **stakeholders** for SBRU? For each type of stakeholder, what aspects of the SBRU booking system are of particular interest?
2. If you were to develop this system, which **software process model** will you use? Explain your rationale.
3. What are the main **functional requirements** for the major subsystem areas (i.e., resort relations, student booking, accounting and finance, and social networking)?
4. 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.

5. For the use case *Add new resort*, write a **fully developed use case description**.
6. For the use case *Book a reservation*, write a **fully developed use case description**.
7. Create a **Domain Model class diagram**.