**Analysis Topic 3 - Assignment /**

**Chapter 3**

**System Analysis & Design & CIS-2245**

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| Author: | Christopher Sigouin |
| Date: | September 25, 2015 |
| Due Date: | September 28, 2015 |
| Assignment: | Analysis Topic 1 |
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1. **Prepare and submit a response for the questions as stated below for your respective end of chapter case studies projects. In teams of two students...**

**Charlottetown and Distance Students project is The Spring Breaks 'R' Us Travel Service (review the chapter case studies section at the end of the chapter for more project details).**

**Questions are:**

**Create an event table (as presented within this topic) for your case study**

**ASSUMPTIONS:**

**For this event table, I can going on the assumption that when bookings are initiated in the system, the student that is creating the booking has top level privileges in editing the booking, group and students involved.**

**Also that groups can be created before a booking is chosen.**

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| **Event** | **Trigger** | **Source ( Input )** | **Use Case** | **Response ( Output )** | **Destination** |
| **SBRU opens the system to new bookings** | **Point in time (A few weeks before Thanksgiving)** | **SBRU System** | **Removes constraints from access** | **No response. No request is being made to the system** | **No destination as there is no response** |
| **Student logs into his / her account** | **Login button is clicked or pressed by the student** | **Student** | **Validate student username and/or password** | **Grants access into the student account or denies access** | **Student** |
| **Students browse through the resorts to do some planning** | **Resort Inquiry** | **Student** | **Look up resort information and availability details** | **Provides resort information and availability details** | **Student** |
| **A student initiates a booking** | **Request resort booking** | **Student** | **Checks booking availability** | **Initiates a booking process or informs user that there is a lack of availability** | **Student** |
| **Students can be added to a group** | **Update student group data** | **Student** | **Check to see if student has privileges to add said student(s) to group** | **Reports that student has no privileges or allows student(s) to be added.** | **Student** |
| **Students can be dropped from a group** | **Update student group data** | **Student** | **Check to see if student has privileges to remove said student(s) from group** | **Reports that student has no privileges or allows student(s) to be removed.** | **Student** |
| **Students require a different type of room** | **Update booking data** | **Student** | **Check room availability with resort booking** | **Provides room availability details** | **Student** |
| **SBRU system sends final payment requirement notices** | **Point of time (One month before actual trip).** | **SBRU System** | **Look up each resort booking payment requirements and communication data (email, texting, phone, etc.)** | **Sends a notification on bookings to students that require payment** | **Student** |
| **Students can cancel bookings** | **Request resort booking cancellation** | **Student** | **Check to see if student has privileges to cancel the booking** | **Reports that student has no privileges or allows booking to be cancelled** | **Student** |
| **Student makes payment(s) on booking cost** | **Payment processed on account** | **Student** | **Look up booking cost** | **Processes payment and provides balance owing ( if any )** | **Student** |
| **Students look up booking status and check on resort details** | **Booking inquiry** | **Student** | **Look up booking status** | **Provides booking status details** | **Student** |
| **Students check in at the resort ( Arriving )** | **Booking check-in process** | **Student** | **Look up booking and students assigned to the booking.** | **Provides student check-in status after processing** | **Student , Resort** |
| **Students check out at the resort ( Leaving )** | **Booking check-out process** | **Student** | **Looking up booking and students assigned to the booking.** | **Provides student check-out status after processing** | **Student, Resort** |

**Draw two Use Case Diagrams for 2 of the key system events with regards to functionality.**

**1)**



**2) Next page…**

