

INFO2320 Assignment 1**Section X, Team YY**

Student 1: _____
Student 2: _____
Student 3: _____
Student 4: _____

For this assignment, you are required to work in a 3 or 4 person team. All members of a team:

- are responsible for mastering the skills required to complete the assignment
- are expected to contribute equally
- will receive the same **team assignment** mark

Note:

- Do not include the student who did not participate in this assignment.
 - Use **MS Teams** collaboration tools to create, edit and finalize your solution.
 - A team submits a single assignment.
 - 20% late penalty for each business day late
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A. Individual Visual Paradigm (VP) Lab (20% of A1 mark)

- ☐ Do the VP tutorial / lab for **Workflow** (Activity Diagram) and **Use Case Diagram**. Save your individual work to **A1_Lab_<student name>.vpp** and make a copy to **General\A1** folder of your **MS Teams**.
- ☐ Demo your individually completed diagrams to one of your team members.
- ☐ Fill out the **Individual Lab** section of your **A1_VPRU_Team#.docx**
 - *Reminder: Members must sign their own name.*
- ☐ Read the **VPRU Case Study.pdf** that has the following sections:
 - Spring Breaks 'R' Us (SBRU) **Background Information**
 - Appendix A: **VPRU Requirement Gathering Interviews**
 - Appendix B: **VPRU Additional Background Information**
 - Appendix C: **Sample Vacation Package Screenshots**

B. Team Assignment 1 (80% of A1 mark)

You are working with the case study **Vacation Packages 'R' Us (VPRU)** Travel Service. The four major subsystems of the solution being proposed are:

- Resort Relations System (**RRS**)
 - Vacation Booking System (**VBS**)
 - Accounting & Finance System (**AFS**)
 - Social Networking System (**SNS**)
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Task 1: VPRU Project Charter

CHRM Reference: **13. Project Charters and Project Visions**

In CHRM:

- ☐ Review slideshow "Project Inception and the Project Charter"
- ☐ Review the "CHRM Project Charter" example

In MS Teams:

- ☐ Download the **A1_VPRU_TeamYY_Template.docx** from **eConestoga** and copy to **General\A1** folder on your MS Teams **Files** tab.
 - ☐ Rename your document to **A1_VPRU_Team#.docx**
 - ☐ **Fill out the VPRU Agile Project Charter section**
 - ☐ Clean up your document and make it look professional (i.e., remove any template comments, etc.)
 - ☐ Fill out the **Assignment 1 header** with your section, team # and student names
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Task 2: VPRU Workflow / Activity Diagram

In Visual Paradigm:

- ☐ Create a new VP 16.3: **A1_VPRU_Team#.vpp**
 - When your team solution is completed, copy the **Workflow** (AD) and **UCD** diagrams to your document **A1_VPRU_Team#.docx**
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2A. Business Process: **VPRU Acquire Vacation Package Provider**

- ☐ Based on the **VPRU Case Study Appendix A1** background information (**Interview with the VPRU Marketing Manager**), draw a new workflow / activity diagram with at least **four** process actors.
- ☐ Use the synchronization bar (fork and join nodes) and decision node(s) as part of your solution.
- ☐ Note: “**Add a New Resort Account**” must be a part of your solution

2B. Business Process: **Resort Provide Vacation Package Voucher**

- ☐ Based on the **VPRU Case Study Appendix A2** background information (**Interview with the Resort Manager**), draw a new workflow / activity diagram with at least **three** process actors.
- ☐ Use the decision node(s) as part of your solution.
- ☐ Note: “**Add a Draft VP Voucher**” must be a part of your solution

Tips for both Task 2A and Task 2B above:

- ☐ Identify the “process goal” (i.e., describe the purpose of the process).
 - ☐ Identify the process steps that will require the **VPRU system** (i.e., they will become your **new use cases**) and highlight them with a **green** background color to distinguish them from the manual process steps.
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Task 3: **VPRU Event Table with Use Cases**

3A Scenarios for Event Table:

- **S1:** For **odd-numbered** teams (Team 11, Team 21, Team 31, etc.), you will work with the **Resort Relations Subsystem (Task 2A)**. Assign the Use Case ID starting with **UC11**.
 - **S2:** For **even-numbered** teams (Team 12, Team 22, Team 32, etc.), you will work with the **Vacation Booking Subsystem (Task 2B)**. Assign the Use Case ID starting with **UC21**.
- ☐ Based on the process steps in either **Task 2A** or **Task 2B** above, identify **at least 2** steps/actions that requires the VPRU system. Then, fill out the **Event Table** below. *Hint: Do not include any manual step/action in the Event Table.*

Note: The interviews are part of the **user goal technique** to identify use cases in the event table below.

VPRU Event Table:

Event Type (external, temporal, state)	Event Name (who-does-what)	Use Case ID (UC#)	Actor(s)	Use Case (format: verb + noun)
...	...	UC#
	

☐ After the **Use Case IDs** are assigned, update the workflow diagrams (either **Task 2A** or **Task 2B** above) and add the **Use Case IDs** to the process step/action, as appropriate.

3B Scenarios for Event Table:

- **S1:** For **odd-numbered** teams (Team 11, Team 21, Team 31, etc.), you will continue to work with the **Resort Relations Subsystem (Task 2A)**. Assign the new Use Case ID starting with **UC31**.
 - **Hint:** Any use case related to resort staff activities
- **S2:** For **even-numbered** teams (Team 12, Team 22, Team 32, etc.), you will continue to work with the **Vacation Booking Subsystem (Task 2B)**. Assign the Use Case ID starting with **UC41**.
 - **Hint:** Any use case related to customer making a vacation booking

☐ Use the **event decomposition technique** to find at least 3 events in the **VPRU Case Study Appendix B** (VPRU additional background information). Add new rows to the **VPRU Event Table**, as appropriate.

☐ Your Event Table must have one temporal event (i.e., actor is “timer”).

☐ Your Event Table must have **between 5 to 9** entries.

☐ **Important:** For Task 3B, only refer to the **VPRU Case Study - Appendix A and B** to identify additional events and use cases. You may identify additional related use cases implied by the background information. However, do not create or assume any new events that are outside the scope of the problem domain.

Task 4: VPRU Use Case Diagram (UCD)

Scenarios for UCD:

- **S1:** For *odd-numbered* teams (Team 11, Team 21, Team 31, etc.), draw a **Use Case Diagram** for the **Resort Relations Subsystem (Task 2A)**. Your UCD **must only show** Use Case ID that match your Event Table (i.e., between **UC11 – 19** and **UC31 – 39**).
- **S2:** For *even-numbered* teams (Team 12, Team 22, Team 32, etc.), draw a **Use Case Diagram** for the **Vacation Booking Subsystem (Task 2B)**. Your UCD **must only show** Use Case ID that match your Event Table (i.e., between **UC21 – 29** and **UC41 – 49**).

☐ Note: The number of Use Cases in your **Use Case Diagram** must match your Event Table.

UCD Tips:

- ☐ UCDs must have actors, use cases, automation boundary with the appropriate system name.
- ☐ Make sure the Use Case IDs are included in the Workflow, Event Table and UCD, as needed.
- ☐ Iterate Task 2, Task 3 and Task 4 above until they are all complete and consistent.

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- ☐ Copy all the **UML diagrams** to your solution document **A1_VPRU_Team#.docx**.
 - ☐ **Checkpoint:** Use the **A1 marking sheet** to self-evaluate your solution.
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Submission Requirements:

- ☐ Create **A1_Team#.zip** file that contains **all** the docx and vpp solution files (missing solution = zero mark). Include a copy of **all individual lab vpp files** from **General\A1** folder of your **MS Teams**.
- ☐ Submit your **A1_Team#.zip** file to the Assignment Dropbox on **eConestoga** (i.e., **A1_Dropbox**).