**Assignment 1**

1. **UWinsite Stakeholders**
2. Students

Professors

Support Staff (Financial Aid, Co-op Office, etc.)

IT Staff

Network Administrators

Developers

QA Testers

OSAP Staff

1. Students and professors are both necessary stakeholders as they would each have differing requirements from the system. For example, students would need a way to see their financial summary, their degree progress, and their grades and GPA. Professors would not need this same functionality, but rather would need features such as a grading system, a file directory to upload slides, assignments, etc., and a way to communicate with the entire class through a mass email or announcement feature.
2. A class is a template for objects. A class defines object properties and also describes object behavior. An object is a member or an "instance" of a class. An object has a state in which all of its properties have information and exhibit behaviour. The reason for UP being object-oriented even though the solution for a given problem is derived as a set of classes can be simply attributed to the fact that classes are just templates for objects. This fact means that the classes are object-oriented, thus UP is object-oriented since its solution comes in the form of a set of classes.
3. A customer removes a book from their booklist by selecting the book from the list and clicking a button labelled “remove.”

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| Use Case |  | Remove Book |
| Brief Description |  | This use case allows a Customer to remove a book from their current booklist |
| Actors |  | Customer |
| Preconditions |  | The Booklist is not empty |
| Main Flow | A1  A2  A3  A4 | This use case begins with the bookstore UI that contains books in the booklist  The Customer selects a book from the current booklist  The Customer clicks the button labelled “remove”  The system removes the book from the booklist |
| Alternative Flows | A5 | The selected book is outdated or invalid in the database and cannot be removed |
| Exception | A6 | If no book is selected from the booklist, then the error message indicating that a book must be selected is displayed at the bottom of the window. |
| Post-conditions |  | The book will have been removed if present, otherwise the booklist remains unchanged. |