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Comp-3220

1. a)

Student - Search/enroll in courses and review degree audits

Professor - Review course sheets and classrooms, etc.

Advisor - Review degree audits, enroll students, work with registrar

Registrar - Alter student permissions and change enrollments

b)

Students require an intuitive, easy to use platform based around searching and enrolling for courses as well as reviewing their personal degree audit which makes them a valuable stakeholder. On the other hand, Academic Advisors need to be able to review all specific student's degree audits as well as manually enroll a student in a class overriding possible permissions preventing the enrollment.

2. A class can contain methods, constructors, variables, objects, and it can inherit from other classes (just to name a few). It is the base in a program that contains essentially everything. Now an object is an instance of this class that can be modified or edited within another class (or even the same class). Think of a Car as a class, defining an object of this class Car named 'red' makes a red car containing all that was within the Car class (wheels, engine, doors, etc). Also, each car object ('red') would have access to contained methods such as startEngine() or signalLeft(). Endless objects of the Car class can be made, all containing the exact same methods and items.

3. This option allows a customer to remove any book in his/her active booklist by simply selecting a book and clicking "Remove Book".

4. *Brief Description* - This option allows a customer to remove any book in his/her active booklist by simply selecting a book and clicking "Remove Book".

Actors - Customer

Preconditions - There are books in the booklist

Main Flow **A1** - This use case begins when a customer adds a book to their booklist.

A2 - Next, the customer must select a book from their booklist

A3 - The customer then clicks the "Remove Book" button at the bottom of the window.

A4 - The system then removes the selected book from the customers booklist.

Exception **A5** - The “Remove Book” button can not be clicked without an active selection or at least one book in the booklist.

PostConditions - The book is removed from the booklist.