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CS 300 Course Information

Course List

This document outlines all of the courses that the advising team will need you to include in the program you are developing. Once you start coding, the same information will be provided to you in a text file that can be used as an input for your program. For now, you only need to understand all of the course data inputs and will reference them while you create your pseudocode.

Note that the course data is composed of comma-separated values and contains the fields courseNumber, name, prerequisite1, prerequisite2,...,prerequisiteN. While the courseNumber and name will be shown on every line, a course may have 0, 1, or more prerequisites. A prerequisite will be listed using only its courseNumber.

The course data is as follows:

```
CSCI100,Introduction to Computer Science
CSCI101,Introduction to Programming in C++,CSCI100
CSCI200,Data Structures,CSCI101
MATH201,Discrete Mathematics
CSCI300,Introduction to Algorithms,CSCI200,MATH201
CSCI301,Advanced Programming in C++,CSCI101
CSCI350,Operating Systems,CSCI300
CSCI400,Large Software Development,CSCI301,CSCI350
```

Flowchart

To get started with your design, you could create a flowchart and diagram how the program will execute. If you were to visualize this as a flowchart, the above curriculum would look like this: