**Project One Milestone**

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**CS 300**

**Pulling Data From File:**

OpenFile(fileLocation)

OPEN file at fileLocation

IF file is NOT found THEN

OUTPUT "File not found."

EXIT

END IF

FOR line in file

IF Validate(line) IS EQUAL TO true THEN

Parse(line)

ELSE

OUTPUT "Invalid line format."

END IF

END FOR

CLOSE file

END OpenFile

Validate(line)

lineSplit = Split(line, ',')

IF sizeOf(lineSplit) is GREATER THAN OR EQUAL TO 2 THEN

Return True

ELSE

Return False

END IF

END Validate

Parse(line)

lineSplit = Split(line, ',')

number = tokens[0]

title = tokens[1]

prereq = tokens[2:]

FOR p in prereq

IF Exists(prereq) is NOT EQUAL TO true THEN

OUTPUT "Prerequisite not found: ", number

EXIT

END IF

END FOR

course = CreateCourse(number, title, prereq)

Append(vector, object)

END Parse

Exists(number)

FOR c in vector

IF c.number is EQUAL TO number THEN

Return True

END IF

END FOR

Return False

END Exists

**Creating Course Objects:**

CreateCourse(number, title, prereq)

new = NEW Course()

new.number = number

new.title = title

new.prereq = prereq

Return new

END CreateCourse

Append(vector, object)

vector[sizeOf(vector)] = object

END Append

**Searching:**

PrintInfo(number)

FOR c in vector

IF c.number IS EQUAL TO number THEN

OUTPUT "Number: ", c.number

OUTPUT "Title: ", c.title

OUTPUT "Prerequisites: ", c.prereq

Return

END IF

END FOR

OUTPUT "Course not found."

END PrintInfo