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CS-300	
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5-3 Project One Milestone Three	
Start Program	
Create an empty binary search tree named courseTree	
Set the input file name to "courses.txt"	
Call function LoadCoursesFromFile with fileName and courseTree	
Call function ValidatePrerequisites with courseTree	
Call function DisplayAllCourses with courseTree	
End Program	
Function LoadCoursesFromFile(fileName, courseTree)	
Open the file	
If the file cannot be opened	
Display error message and stop	
While there are lines to read in the file	

Read a line
Split the line into pieces using the comma
If the number of pieces is less than 2
Display error message and skip to the next line
Set courseNumber to the first piece
Set courseName to the second piece
Set prerequisites list to the rest of the pieces (if any)
Create a course object using courseNumber, courseName, and prerequisites
Insert the course object into the binary search tree
Close the file
End Function
Function ValidatePrerequisites(courseTree)
For each course in courseTree
For each prerequisite in the course
If the prerequisite is not found in courseTree
Display an error saying the prerequisite course is missing
End Function
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Function DisplayAllCourses(courseTree)

Display heading "Course List"

Traverse the binary search tree in order

For each course

Display the course number and course name

If the course has prerequisites

Display "Prerequisites: " followed by the list

Otherwise

Display "Prerequisites: None"

End Function