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CS-300 Project One Milestone Two

1. Pseudo code for opening, reading, parsing through a file:

Create an empty vector “courses”

Open file

If the file is not open

Print “File Not Open”

End the program

While not at the end of the file

Read each line and copy into a string

Separate string into a list of items by spaces

If less than 2 spaces are present in the string

Print “Error”

Skip to next line

Else add string to “courses”

Close file

1. Pseudo code for creating course objects and store them in a data structure

Create a HashTable

Insert Value to a HashTable

Search the table for an empty node

If the node is empty create a key

Append the value to the empty node

Else

Find the next available space for the value

1. Pseudo code for search and print: (*This pseudo code was provided on the Supporting Materials Document.*)

//Hash Table - Milestone 2

void searchCourse(HashTable<Course> courses, String courseNumber) {

for the hash table

Search for the key

If the node is not null

Print the data in the node

Else

Return null

}