# CSCI-101 Programming I
## Lab 11d

Write a program named **ApptStore.java** that satisfies the following requirements.

The program repeatedly does the following:

- print menu
- read choice from user
- perform user action

The menu should read as follows:

1. Read data from file
2. List apartments
3. Add apartment
4. Save data to file
5. Exit

If the user chooses 1, the program should prompt the user for a file name.  If the file cannot be read, the program should print "Invalid filename".  Otherwise, the program should read the data from the file, and for each apartment building in the file, and create an instances of the ApartmentBuilding class.  **If there already exists an instance of the ApartmentBuilding class in the array that is equal to the instance recently created, the program prints "Apartment already exists" and does not add it to the array; otherwise the program adds the new instance to the array.**

If the user chooses 2, the program should print to the screen the information about each apartment building that is in the array.

If the user chooses 3, the program should prompt the user for the information needed to create an instance of the ApartmentBuilding class, read in the data and create an instance of the class.  **If there already exists an instance of the ApartmentBuilding class in the array that is equal to the instance recently created, the program prints "Apartment already exists" and does not add it to the array; otherwise the program adds the new instance to the array.**

If the user chooses 4, the program should prompt the user for a file name.  If the file cannot be written to, the program should print to the screen "Invalid filename".  Otherwise the program should write the information for each apartment building in the array to the file, with the information of each apartment building on a separate line, and the values separated by commas.

if the user chooses 5, the program should terminate.