

CSULB
CECS 277

Lab Map

Write a program that keeps a map in which both **keys and values are strings**—the names of students and their course grades. Prompt the user of the program to add or remove students, to modify grades, or to print all grades.

The printout should be sorted by name and formatted like this: Carl: B+ Joe: C Sarah: A

```
import java.util.Scanner;

/**
 * A program to add, remove, modify or print
 * student names and grades.
 */
public class Gradebook
{
    public static void main(String[] args)
    {
        Scanner in = new Scanner(System.in);

        . . .

        boolean done = false;
        while(!done)
        {
            System.out.println("A)dd R)emove M)odify P)rint Q)uit");
            String input = in.next().toUpperCase();
            if (input.equals("Q"))
            {
                done = true;
            }
            else if (input.equals("A"))
            {
                . . .
            }
            else if (input.equals("R"))
            {
                . . .
            }
            else if (input.equals("M"))
            {
                . . .
            }
            else if (input.equalsIgnoreCase("P"))
            {
                . . .
            }
            else

```

```
        {
            done = true;
        }
    }
}
```