**CSC 250 – Program Design Document**

**Structure Chart**

main

getLocation

printActivities

**331 126 178 99**

printEmails

getChoice

registerAct

**Function Design (give the prototype and a short description for each function)**

**//**This function is for getting the location name from the enum and return the location as a string using switch case.

string getLocation(Location place);

//Displays a list of all activities along with their details.

void printActivities(const recCenter activities[], int size);

//// Displays the registered emails for each activity in the list.

void printEmails(const recCenter activities[], int size);

//This function will be for handling the user’s registration for a selected activity and also validates the choice, and updates email list.

void registerAct(recCenter activities[], int size);

Display menu, get user's pick, and ensure it's valid. And finally return the choice of the user.

int getChoice();

**Time Estimate**

|  |  |  |
| --- | --- | --- |
|  | **Estimated Time** | **Actual Time** |
| Program Design. | 30 | 35 |
| (list each function name and the time required to code each) |  |  |
| getLocation | 15 | 14 |
| printActivities | 30 | 27 |
| printEmails | 20 | 26 |
| registerAct | 35 | 42 |
| getChoice | 15 | 10 |
| Program Test | 20 | 20 |
| **Total Time** | 150min | 174min |