North South University

Dept. Of Electrical and Computer Engineering

Title:

FF

(For Foodies/Finding Food)

Course: CSE115

Section: 06

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Submitted by:

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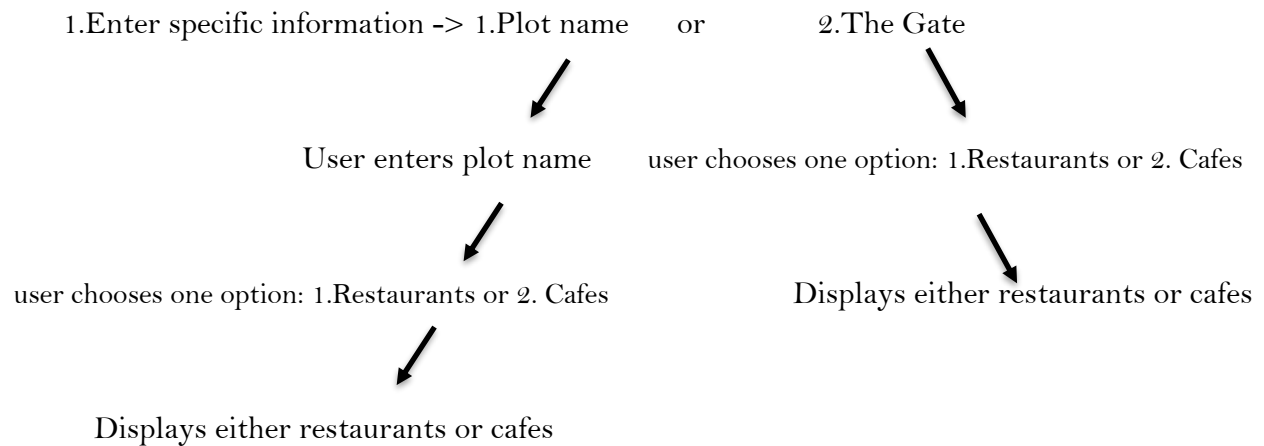**Name:**   **ID:** 181   42

Project Overview:

Since Bashundhara is a housing complex, it can be quite difficult to know where restaurants are hiding in the crevices between the buildings. FF is a C language program where the user, upon entering some information, will have access to the desired, if not, all the restaurants and cafes in Bashundhara. The information of the restaurants and cafes can be updated very easily as well, so there is no worries about entering any sort of information.

Features:

There is a menu with three options:

1. Enter specific information
2. Display all cafes
3. Display all restaurants

I. If the first option is chosen:

1.Enter specific information -> 1.Plot name   or   2.The Gate

           User enters plot name   user chooses one option: 1.Restaurants or 2. Cafes

user chooses one option: 1.Restaurants or 2. Cafes   Displays either restaurants or cafes

       Displays either restaurants or cafes

II. If the second option was chosen:

All the cafes in the area would be displayed.

III. If the third option was chosen:

All the restaurants in the area would be displayed.

Functions:

i.   Pre-Defined Functions:
- printf() : displays information on console
- scanf() : reads the information entered by user from console
- switch() : opens switch function
- fopen() : opens file
- fgetsf() : reads the information (string) from a file
- putsf() : displays content on console from string
- fclose() : closes file

ii.   User Defined Functions
- CaseOne() : function for option one in the menu (enter specific information)
- CaseTwo() : function for option two (display all cafes)
- CaseThree() : function for option three (display all restaurants)

References:

Websites:

i.   https://stackoverflow.com/questions/3463426/in-c-how-should-i-read-a-text-file-and-print-all-strings
ii.   https://stackoverflow.com/questions/31353201/passing-variable-through-switch-statement-with-functions

Source Code:

```c
#include <stdio.h>



void CaseOne();

void CaseTwo();

void CaseThree();




int main()

{

    int menu;


    printf("\n                    Menu:\n\n");

    printf("     1) Enter specific information:\n");

    printf("     2) Display all cafes:\n");

    printf("     3) Display all restaurants:\n");

    printf("\n");

    printf("    Enter the option of your choice: ");


    scanf("%d",&menu);
```

```c
    switch (menu)

    {

    case 1:

        CaseOne();

        break;

    case 2:

        CaseTwo();

        break;

    case 3:

        CaseThree();

        break;

    }


    return 0;

}

void CaseOne() //Specified outputs

{


    FILE  *fgater,  *far,  *fbr,  *fcr;  //files  for  storing  the
restaurants' information

    fgater=fopen("gater.txt","r");

    far=fopen("ablockr.txt", "r");

    fbr=fopen("bblockr.txt", "r");

    fcr=fopen("cblockr.txt", "r");
```

Rest of the Codes are discarded for Piracy and Privacy reason ! But in your Project Report You have to write your source code in this report part.