CCCS 111 – Introduction to Programming University of Jeddah

Course Project: Car Rental Application

Gharam Ghassan Badroon 2110459
Rahaf Waleed Alghamdi 2112014
Renad Mohammed Algahtani 2111836

App Idea:-

The idea behind the program is that by selecting number one, we may register customer data or search for a customer. We can add new vehicles by entering their information, and we can also search for vehicle information by selecting number 2.

Code

```
(Global Scope)
⊟#include<stdio.h>
  #include<string.h>
#define SIZE 30
    void serachCustomer(char search[], int type);
void rentalcar();
    void service();
void search_h();
 ☐ int main() {
    int choose;
            char customer_name[SIZE], phone[12], id[SIZE], make[SIZE], search[SIZE], model_name[SIZE], model_year[SIZE], plate_number[SIZE], new_id[SIZE]; int repeat = 1; FILE* fPtr;
            FILE* rPtr;
FILE* wPtr;
                    rentalcar();
printf("In Please enter your choose:");
scanf_s("%d", &choose);
switch (choose) {
case 1:
                             service();
printf("\n>Enter your choose:");
scanf_s("%d", &choose);
switch (choose)
                                      t:
fopen_s(&fPtr, "Customer.txt", "a");
printf("-Enter customer ID:-\n");
scanf_s("%s", id, SIZE - 1);
printf("-Enter customer name:-\n");
scanf_s("%s", customer_name, SIZE - 1);
printf("-Enter phone number:-\n");
scanf_s("%s", phone, 12 - 1);
fprintf(fPtr. "%s%25s%20s\n", id, customer_name, phone);
                                       fclose(fPtr);
                              break;
                                       search_h();
printf("\n>>Enter your choose:");
scanf_s("%d", &choose);
                                               if (choose == 1) {
    printf("-Please enter ID to serach:-\n");
    scanf_s("%s", &search, SIZE);
    serachCustomer(search, 1);
                                                        }
else if (choose == 3) {
    printf("-Please enter phone t
    scanf_s("%s", search, SIZE);
    serachCustomer(search, 3);
                                              }
else if (choose == 4) {
    printf("you return back to the list\n"
    "Hello Again ");
    printf("---------\
    break;
                                                       printf("unknown\n");
puts("good bye <3");
                                                       return 0;
                             break;
default:
                              break;
                     case 2:
                            printf("1-Add a new vehicle\n");
printf("2-Search vehicle\n");
printf("3-Back \n");
                              puts('
                              printf("\n>>Enter your choice:");
scanf_s("%d", &choose);
                                      if (choose == 1) {
  fopen_s(&fPtr, "vehicle.txt", "a");
  printf("-Enter mdole year:-\n");
  scanf_s("%s", model_year, SIZE);
  printf("-Enter make:-\n");
  scanf_s("%s", make, SIZE);
  printf("-Enter model name:-\n");
```

```
scanf_s("%s", model_name, SIZE);
printf("-Enter plate number:-\n");
scanf_s("%s", plate_number, SIZE);
printf("-Enter customer ID number:-\n");
scanf_s("%s", id, SIZE);
fprintf(fPtr, "%s%10s%10s%10s%10s\n", model_year, make, model_name, plate_number, id);
fclose(fPtr);
                                     }
else if (choose == 2) {
    printf("1- Search by Model year + Make + Model name\n");
    printf("2- Search by License plate number \n");
    printf("3- Search for renting vehicle\n");
    printf("4- Back\n");
    printf("4- Back\n");
    printf("4- Back\n");
                                                    puts("
                                                    scanf s("%d", &choose);
                                                                fscanf_s(fPtr, "%s%s%s%s%s\n", model_year, SIZE, make, SIZE, model_name, SIZE, plate_number, SIZE, id, SIZE); if ((!memcmp(model_year, model_search, strlen(model_search))) && (!memcmp(model_search, strlen(make_search))) && (!memcmp(model_name, make_search, strlen(make_search))) & (!memcmp(model_name, make_search))) & (!memcmp(model_name, make_s
                                                                                              printf("%s%10s%10s%10s\n", model_year, make, model_name, plate_number, id);
                                                                    scanf_s("%s", &search, SIZE);
fopen_s(&fPtr, "vehicle.txt", "r");
                                                                    while (!feof(fPtr))
                                                                                  fscanf_s(fftr..."%:%s%s%s%s\n".model_year.SIZE.make.SIZE.model_name.SIZE.plate_number.SIZE.id.SIZE);
if ((!memcmp(plate_number._search_strlen(search))))
                                                                                  fscanf\_s(fPtr, "%s%s%s%s%s\n", model\_year, SIZE, make, SIZE, model\_name, SIZE, plate\_number, SIZE, id, SIZE); if ((memcmp(id, "0", strlen("0"))))
                                                                                               printf("%s%10s%10s%10s%10s\n", model_year, make, model_name, plate_number, id);
                                                                    printf(" you return back to the list\n"
"Hello again");
printf("----\n");
                                                                     break:
                                                                    printf("unknown\n");
puts("good bys <3");
return 0;</pre>
                                                     printf("unknown\n");
                         repeat = 0;
printf("\n good bye <3 \n");</pre>
} while (repeat);
```

```
Boold certalcar() {
    print("= belcome to the Car Bental Application "\n");
    print("= belcome to the Car Bental Application "\n");
    print("= vehicles \n");
    print("= segiter / add new customers\n");
    print("= segiter / add new customers\n");
    print("= search customer \n");
    print("= search customer \n");
    print("= search by Name \n");
    p
```

Output 1

```
웝 - 💪 🖺 🗗 り - 🤇 - 📗
                                                               Welcome to the Car Rental Application ~
                                                               Customer
Vehicles
 oject new.cpp   ⊅   X
Project new
                                                           Please enter your choose:1
L- Register / add new customers
2- Search customer
3- Back
           ⊡/*Renad Mohammed Alqahtani
              Rahaf Alghamdi
                                                          >>Enter your choose:1
-Enter customer ID:-
2111836
-Enter customer name:-
           □#include<stdio.h>
             #include<string.h>
                                                          Renad
-Enter phone number:-
0555555555
              #define SIZE 30
              void serachCustomer(char search
                                                          ~ Welcome to the Car Rental Application ~
1— Customer
2— Vehicles
3— Exit
              void rentalcar();
              void service();
              void search_h();
            □int main() {
                                                           Please enter your choose:1
- Register / add new customers
- Search customer
                   int choose;
                    char customer_name[SIZE],
                    int repeat = 1;
                    FILE* fPtr;
                   FILE* rPtr;
                                                          >>Enter your choose:2
1— Search by ID
2— Search by Name
3— Search by phone
4— Back
                    FILE* wPtr;
                         rentalcar();
                         printf("\n Please ente
scanf_s("%d", &choose)
                                                          >>Enter your choose:1
-Please enter ID to serach:-
2111836
2111836 Renad 055:
                         switch (choose) {
            ﯛ
                                                                                                  055555555
                               printf("\n>>Enter
scanf_s("%d", &cho
                                                          ~ Welcome to the Car Rental Application ~
1— Customer
2— Vehicles
3— Exit
                               switch (choose)
                                 fopen s(&fPtr,
← →
                                                           Please enter your choose:3
             0
                       <u></u> 8
                                                            good bye <3
nition Window
                                                          C:\Users\ñfûòòòòùý®\source\repos\Project new\Debug\Project new.exe (process 188
Ø) exited with code Ø.
```

Output 2

```
👸 - 🚔 💾 🧬 🤥 - 🤘 - Debug - x86
                                                                                        Welcome to the Car Rental Application ~ Customer
Vehicles
Exit
new.cpp ⊅ X
                                                                                    Please enter your choose:2
1-Add a new vehicle
2-Search vehicle
3-Back
      □/*Renad Mohammed Alqahtani
          Rahaf Alghamdi
                                                                                   >>Enter your choice:1
-Enter mdole year:-
2021
-Enter make:-
jeddah
-Enter model name:-
azera
-Enter plate number:-
1234
-Enter customer ID num
      ⊟#include<stdio.h>
        #include<string.h>
          #define SIZE 30
          void serachCustomer(char search[], int type)
          void rentalcar();
                                                                                   -Enter customer ID number:-
2111836
          void service();
          void search_h();
                                                                                     good bye <3
       ⊡int main() {
                                                                                   C:\Users\ñfüòòòòùú®\source\repos\Project new\Debug\Project new.exe (process 149
12) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->
Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
                int choose;
                char customer_name[SIZE], phone[12], id[
                FILE* fPtr;
                FILE* rPtr;
                FILE* wPtr;
                      printf("\n Please enter your choose:
scanf_s("%d", &choose);
switch (choose) {
                       case 1:
                            service();
printf("\n>>Enter your choose:")
scanf_s("%d", &choose);
                             switch (choose)
                                  fopen s(&fPtr, "Customer.to
```

Output 3

```
🔾 - 🔾 🏗 - 🚰 💾 🛂 🤼 - 🤍 - Debug - x86
                                                                                 Welcome to the Car Rental Application ~
   project new.cpp 💠 🗙
   1 Project new
                   戸/*Renad Mohammed Alqahtani
                                                                             Please enter your choose:2
1-Add a new vehicle
2-Search vehicle
3-Back
                       Rahaf Alghamdi
                                                                             >>Enter your choice:2
1— Search by Model year + Make + Model name
2— Search by License plate number
3— Search for renting vehicle
4— Back
                   ⊟#include<stdio.h>
                      #define SIZE 30
                                                                            >>Enter your choose:2
-Please enter License plate number to serach:-
1234
2021 jeddah azera 1234 2111836
                      void serachCustomer(char search[],
                      void rentalcar();
                      void service();
                      void search_h();
                                                                              good bye <3
                    ⊡int main() {
                                                                            C:\Users\ñfûòòòòùý®\source\repos\Project new\Debug\Project new.exe (process 120
32) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->
Debugging->Automatically close the console when debugging stops.
                           int choose;
                            char customer_name[SIZE], phone
                             int repeat = 1;
```

Output 4

```
| The state of the Car Rental Application | The state of the Car Rental Application | The state of the Car Rental Application | The state of the sta
```

صورة للمجلد

Debug 📗	۳۳:۳۳ ص ۹۰/۰۰/۳۹	مجلد ملفات	
Customer 🖺	۲:۳٤ ص ۰۵/۰۰/۳۹	مستند نص	۱ کیلوبایت
project new.cpp **	۲:۳۳ ص ۰۹/۰٥/۰۹	C++ Source	۹ کیلوبایت
Project new.vcxproj 💁	۱۲:۲۸ ص ۹۰/۰۰/۶	VC++ Project	۸ کیلوبایت
Project new.vcxproj.filters	۱۲:۲۸ ص ۹۰/۰۰/۶	VC++ Project Filte	۱ کیلوبایت
Project new.vcxproj.user 🔊	۱۲:۲۷ ص ۰۹/۰۵/۰۹	Per-User Project O	۱ کیلوبایت
vehicle 🖺	۲:۳۷ ص ۰۹/۰۰/۹	مستند نص	۱ کیلوبایت