



FITNESS CLUB MANAGEMENT SYSTEM

Computer Programming

CSE101

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ROLLNO: 25,26,27,28

FITNESS CLUB MANAGEMENT SYSTEM

OVERVIEW:

The Fitness Club Management System is a program developed using the C programming language that allows club owners to manage the customer's records in their fitness clubs. The program includes several modules, each responsible for a specific task, such as adding new customers, deleting existing customers, displaying the records of all customers, searching for specific customers by their mobile number or name, and displaying available slots for customers to book

INTRODUCTION:

The Fitness Club Management System is a project that aims to help club owners manage their customers' records with ease. The system allows the club owner to keep track of important information such as the customer's date of joining, package details, and training period. Additionally, the system enables the owner to store other details like the customer's name, mobile number, BMI, address, and package details.

MODULES:

- **Add Record of Customer to File:** This module allows the club owner to add the customer's record to the system. When this module is executed, it prompts the owner must input the customer's details such as name, mobile number, BMI, address,

package details, and date of joining. The program generates a unique ID for each customer, which is used to identify them in the record file. Once the owner inputs the customer's details, the program writes the information to the record file.

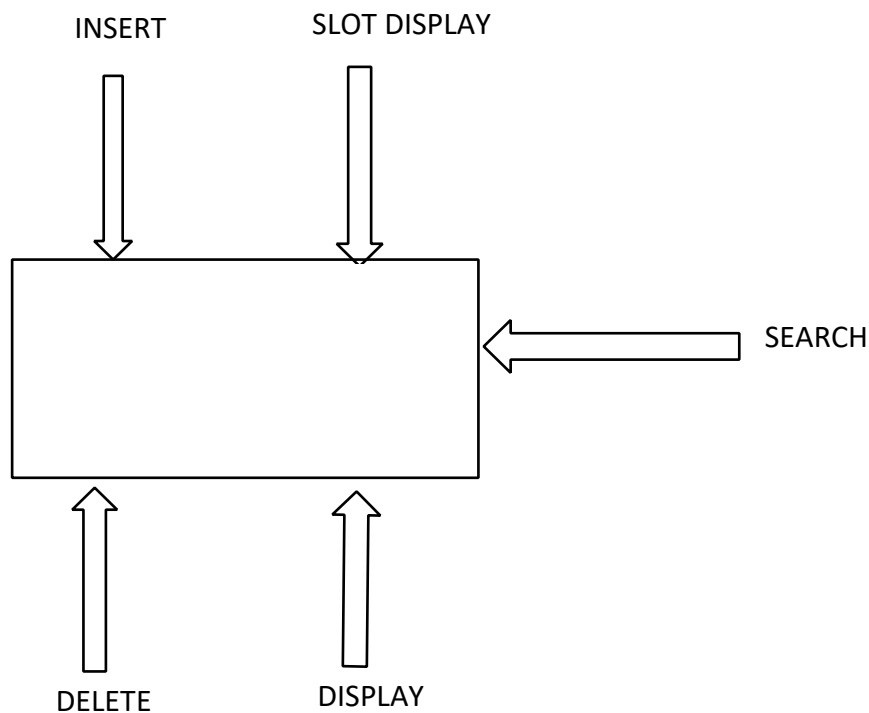
- **Delete the Record of Customer:** This module allows the club owner to remove customer details from the system. When this module is executed, the owner is prompted to enter the customer's number. The program then reads the record file, searches for the customer with the corresponding number, and deletes their record from the file.
- **Display Record of All Customers:** This module enables the club owner to view all the customer records in the system. When executed, the program reads the record file and displays the name, mobile number, BMI,

address, date of joining, and package details of each customer.

- **Search the Record of Customer by Mobile Number, Name or id:** This module allows the club owner to search for a customer's record by their mobile number, name or ID. When executed, the program prompts the user to enter the mobile number, name, or ID of the customer they wish to search for. The program then reads the record file, searches for the corresponding customer, and displays their details if they exist in the file.
- **Display slot timings of the club and user must be able to select any slot. (Check if slot if full.):** The "Display slot timings of the club and user must be able to select any slot" module displays the available slots for customers to book. When executed, the program reads the record file and checks for

any slots that are already booked. It then displays the available slots to the user, who can select any slot that is not full. If the user selects a slot that is already booked, the program displays an appropriate message.

ZERO-LEVEL DFD:



PROJECT CODE:

```
#include<stdio.h>
#include<stdlib.h>
#include<string.h>

// Structure to store customer details
struct customer {
    char name[50];
    char mobile[11];
    float bmi;
    char address[100];
    char package[20];
    char join_date[11];
    int train_period;
};

// Function to add customer record to file
void add_record() {
    struct customer c;
    FILE *f;
    f = fopen("customers.dat", "ab+");
    if (f == NULL) {
        printf("Error in opening file!");
        exit(1);
    }
}
```

```

printf("\nEnter name: ");
scanf("%s", c.name);
printf("\nEnter mobile number: ");
scanf("%s", c.mobile);
printf("\nEnter BMI: ");
scanf("%f", &c.bmi);
printf("\nEnter address: ");
scanf("%s", c.address);
printf("\nEnter package details: ");
scanf("%s", c.package);
printf("\nEnter joining date (DD/MM/YYYY): ");
scanf("%s", c.join_date);
printf("\nEnter training period (in months): ");
scanf("%d", &c.train_period);
fwrite(&c, sizeof(c), 1, f);
printf("\nRecord added successfully!\n");
fclose(f);
}

```

```

// Function to delete customer record from file
void delete_record() {
    char mobile[11];
    int found = 0;
    struct customer c;
    FILE *f, *t;
    f = fopen("customers.dat", "rb");
    if (f == NULL){

```

```
        printf("Error in opening file!");
        exit(1);
    }
    t = fopen("temp.dat", "wb");
    if (t == NULL) {
        printf("Error in opening file!");
        fclose(f);
        exit(1);
    }
    printf("Enter mobile number of customer to be deleted: ");
    scanf("%s", mobile);
    while (fread(&c, sizeof(c), 1, f) == 1) {
        if (strcmp(c.mobile, mobile) != 0)
            fwrite(&c, sizeof(c), 1, t);
        else
            found = 1;
    }
    if (found == 1)
        printf("Record deleted successfully!\n");
    else
        printf("Record not found!\n");
    fclose(f);
    fclose(t);
    remove("customers.dat");
    rename("temp.dat", "customers.dat");
}
```



```
// Function to display all customer records from file
void display_records() {
    struct customer c;
    FILE *f;
    f = fopen("customers.dat", "rb");
    if (f == NULL) {
        printf("Error in opening file!");
        exit(1);
    }
    while (fread(&c, sizeof(c), 1, f) == 1) {
        printf("Name: %s\nMobile Number: %s\nBMI:
%f\nAddress: %s\nPackage Details: %s\nJoining Date:
%s\nTraining Period: %d months\n\n", c.name, c.mobile, c.bmi,
c.address, c.package, c.join_date, c.train_period);
    }
    fclose(f);
}
```

// Function to search for customer record by mobile number, name, or id

```
void search_record() {
    char search_query[50];
    int found = 0;
    struct customer c;
    FILE *f;
    f = fopen("customers.dat", "rb");
    if (f == NULL) {
```

```

        printf("Error in opening file!");
        exit(1);

    }
    printf("Enter mobile number, name or ID to search: ");
    scanf("%s", search_query);
    while (fread(&c, sizeof(c), 1, f) == 1) {
        if (strcmp(c.mobile, search_query) == 0 || strcmp(c.name,
search_query) == 0) {
            printf("Name: %s\tMobile Number: %s\tBMI: %f\tAddress:
%s\tPackage Details: %s\tJoining Date: %s\tTraining Period: %d
months\n\n", c.name, c.mobile, c.bmi, c.address, c.package,
c.join_date, c.train_period);
            found = 1;
        }
    }
    if (found == 0)
        printf("Record not found!\n");
    fclose(f);
}

```

```

// Function to display available slots and let user select one
void select_slot() {
    int slots[5] = {0, 0, 0, 0, 0};
    int slot, found = 0;
    struct customer c;
    FILE *f;

```

```
f = fopen("customers.dat", "rb");
if (f == NULL) {
    printf("Error in opening file!");
    exit(1);
}
while (fread(&c, sizeof(c), 1, f) == 1) {
    if (c.train_period > 6 && c.train_period <= 12) {
        if (strcmp(c.join_date, "01/01/2023") == 0) {
            slots[0] = 1;
        }
        else if (strcmp(c.join_date, "01/02/2023") == 0) {
            slots[1] = 1;
        }
        else if (strcmp(c.join_date, "01/03/2023") == 0) {
            slots[2] = 1;
        }
        else if (strcmp(c.join_date, "01/04/2023") == 0) {
            slots[3] = 1;
        }
        else if (strcmp(c.join_date, "01/05/2023") == 0) {
            slots[4] = 1;
        }
    }
}
printf("Available slots:\n");
for (int i = 0; i < 5; i++) {
    if (slots[i] == 0) {
```

```
printf("%d. 01/%02d/2023\n", i+1, i+1);
found = 1;
}
}
if (found == 0) {
printf("No slots available!\n");
return;
}
printf("Enter slot number: ");
scanf("%d", &slot);
if (slots[slot-1] == 1) {
printf("Slot already booked!\n");
return;
}
printf("Slot booked successfully!\n");
fclose(f);
}
```

```
int main() {
int choice;
while (1) {
printf("Fitness Club Management System\n");
printf("1. Add customer record to file\n2. Delete customer\n");
printf("record from file\n3. Display all customer records\n4. Search for\n");
printf("customer record\n5. Select slot\n6. Exit\n");
printf("Enter your choice: ");
scanf("%d", &choice);
```

```
switch (choice) {
    case 1:
        add_record();
        break;
    case 2:
        delete_record();
        break;
    case 3:
        display_records();
        break;
    case 4:
        search_record();
        break;
    case 5:
        select_slot();
    case 6:
        exit(0);
    default:
        printf("Invalid choice!\n");
}
}
return 0;
}
```

```
C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Fitness Management Club.cpp
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<string.h>
4
5 // Structure to store customer details
6 struct customer {
7     char name[50];
8     char mobile[11];
9     float bmi;
10    char address[100];
11    char package[20];
12    char join_date[11];
13    int train_period;
14 };
15
16 // Function to add customer record to file
17 void add_record()
18 {
19     struct customer c;
20     FILE *f;
21     f = fopen("customers.dat", "ab+");
```

Compiler Resources Compile Log Debug Find Results
Line: 1 Col: 1 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

```
C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Fitness Management Club.cpp
4 // Structure to store customer details
5 struct customer {
6     char name[50];
7     char mobile[11];
8     float bmi;
9     char address[100];
10    char package[20];
11    char join_date[11];
12    int train_period;
13 };
14
15 // Function to add customer record to file
16 void add_record()
17 {
18     struct customer c;
19     FILE *f;
20     f = fopen("customers.dat", "ab+");
21     if (f == NULL)
22     {
23         printf("Error in opening file!");
24         exit(1);
25     }
26     printf("\nEnter name: ");
27     scanf("%s", c.name);
28     printf("\nEnter mobile number: ");
29     scanf("%s", c.mobile);
30     printf("\nEnter BMI: ");
31     scanf("%f", &c.bmi);
32     printf("\nEnter address: ");
33     scanf("%s", c.address);
34     printf("\nEnter package details: ");
35     scanf("%s", c.package);
36     printf("\nEnter joining date (DD/MM/YYYY): ");
37     scanf("%s", c.join_date);
38     printf("\nEnter training period (in months): ");
39     scanf("%d", &c.train_period);
40     fwrite(&c, sizeof(c), 1, f);
41     printf("\nRecord added successfully!\n");
42     fclose(f);
43 }
```

Compiler Resources Compile Log Debug Find Results Close
About Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s
Line: 1 Col: 1 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Fitness Management Club.cpp

```
46 // Function to delete customer record from file
47 void delete_record()
48 {
49     char mobile[11];
50     int found = 0;
51     struct customer c;
52     FILE *f, *t;
53     f = fopen("customers.dat", "rb");
54     if (f == NULL)
55     {
56         printf("Error in opening file!");
57         exit(1);
58     }
59     t = fopen("temp.dat", "wb");
60     if (t == NULL)
61     {
62         printf("Error in opening file!");
63         fclose(f);
64         exit(1);
65     }
66     printf("Enter mobile number of customer to be deleted: ");
67     scanf("%s", mobile);
68     while (fread(&c, sizeof(c), 1, f) == 1)
69     {
70         if (strcmp(c.mobile, mobile) != 0)
71             fwrite(&c, sizeof(c), 1, t);
72         else
73             found = 1;
74     }
75     if (found == 1)
76         printf("Record deleted successfully!\n");
77     else
78         printf("Record not found!\n");
79     fclose(f);
80     fclose(t);
81     remove("customers.dat");
82     rename("temp.dat", "customers.dat");
83 }
84
85 // Function to display all customer records from file
86 void display_records()
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.exe
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Line: 1 Col: 1 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

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File Edit Search View Project Execute Tools AStyle Window Help

TM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Fitness Management Club.cpp

```
85 // Function to display all customer records from file
86 void display_records()
87 {
88     struct customer c;
89     FILE *f;
90     f = fopen("customers.dat", "rb");
91     if (f == NULL)
92     {
93         printf("Error in opening file!");
94         exit(1);
95     }
96     while (fread(&c, sizeof(c), 1, f) == 1)
97     {
98         printf("\n=====");
99         printf("Name: %s\nMobile Number: %s\nBMI: %f\nAddress: %s\nPackage Details: %s\nJoining Date: %s\nTraining Period: %d months\n\n", c.name, c.mobile, c.bmi, c.address, c.package, c.join_date, c.train_period);
100         printf("=====");
101     }
102     fclose(f);
103 }
104
105 // Function to search for customer record by mobile number, name, or id
106 void search_record()
107 {
108     char search_query[50];
109     int found = 0;
110     struct customer c;
111     FILE *f;
112     f = fopen("customers.dat", "rb");
113     if (f == NULL) {
114         printf("Error in opening file!");
115         exit(1);
116     }
117     printf("Enter mobile number, name or ID to search: ");
118     scanf("%s", search_query);
119     while (fread(&c, sizeof(c), 1, f) == 1)
120     {
121         if (strcmp(c.mobile, search_query) == 0 || strcmp(c.name, search_query) == 0)
122         {
123             printf("Name: %s\nMobile Number: %s\nBMI: %f\nAddress: %s\nPackage Details: %s\nJoining Date: %s\nTraining Period: %d months\n\n", c.name, c.mobile, c.bmi, c.address, c.package, c.join_date, c.train_period);
124             found = 1;
125         }
126     }
127 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s

Line: 89 Col: 13 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

Fitness Management Club.cpp

```
103 }
104
105 // Function to search for customer record by mobile number, name, or id
106 void search_record()
107 {
108     char search_query[50];
109     int found = 0;
110     struct customer c;
111     FILE *f;
112     f = fopen("customers.dat", "rb");
113     if (f == NULL) {
114         printf("Error in opening file!");
115         exit(1);
116     }
117     printf("Enter mobile number, name or ID to search: ");
118     scanf("%s", search_query);
119     while (fread(&c, sizeof(c), 1, f) == 1)
120     {
121         if (strcmp(c.mobile, search_query) == 0 || strcmp(c.name, search_query) == 0)
122         {
123             printf("Name: %s\nMobile Number: %s\nBMI: %f\nAddress: %s\nPackage Details: %s\nJoining Date: %s\nTraining Period: %d months\n\n", c.name, c.mobile, c.bmi, c.address, c.package, c.join_date, c.train_period);
124             found = 1;
125         }
126     }
127     if (found == 0)
128         printf("Record not found!\n");
129     fclose(f);
130 }
131
132 // Function to display available slots and let user select one
133 void select_slot()
134 {
135     int slots[5] = {0, 0, 0, 0, 0};
136     int slot, found = 0;
137     struct customer c;
138     FILE *f;
139     f = fopen("customers.dat", "rb");
140     if (f == NULL)
141     {
142         printf("Error in opening file!");
143     }
144     while (fread(&c, sizeof(c), 1, f) == 1)
145     {
146         if (c.train_period > 6 && c.train_period <= 12)
147         {
148             if (strcmp(c.join_date, "01/01/2023") == 0)
149             {
150                 slots[0] = 1;
151             }
152             else if (strcmp(c.join_date, "01/02/2023") == 0)
153             {
154                 slots[1] = 1;
155             }
156             else if (strcmp(c.join_date, "01/03/2023") == 0)
157             {
158                 slots[2] = 1;
159             }
160             else if (strcmp(c.join_date, "01/04/2023") == 0)
161             {
162                 slots[3] = 1;
163             }
164             else if (strcmp(c.join_date, "01/05/2023") == 0)
165             {
166                 slots[4] = 1;
167             }
168         }
169     }
170     printf("Available slots:\n");
171     for (int i = 0; i < 5; i++)
172     {
173         if (slots[i] == 1)
174             printf("%d ", i + 1);
175         else
176             printf(" ");
177     }
178     printf("\n");
179 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s

Line: 89 Col: 13 Sek: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

Fitness Management Club.cpp

```
133 // Function to display available slots and let user select one
134 void select_slot()
135 {
136     int slots[5] = {0, 0, 0, 0, 0};
137     int slot, found = 0;
138     struct customer c;
139     FILE *f;
140     f = fopen("customers.dat", "rb");
141     if (f == NULL)
142     {
143         printf("Error in opening file!");
144         exit(1);
145     }
146     while (fread(&c, sizeof(c), 1, f) == 1)
147     {
148         if (c.train_period > 6 && c.train_period <= 12)
149         {
150             if (strcmp(c.join_date, "01/01/2023") == 0)
151             {
152                 slots[0] = 1;
153             }
154             else if (strcmp(c.join_date, "01/02/2023") == 0)
155             {
156                 slots[1] = 1;
157             }
158             else if (strcmp(c.join_date, "01/03/2023") == 0)
159             {
160                 slots[2] = 1;
161             }
162             else if (strcmp(c.join_date, "01/04/2023") == 0)
163             {
164                 slots[3] = 1;
165             }
166             else if (strcmp(c.join_date, "01/05/2023") == 0)
167             {
168                 slots[4] = 1;
169             }
170         }
171     }
172     printf("Available slots:\n");
173     for (int i = 0; i < 5; i++)
174     {
175         if (slots[i] == 1)
176             printf("%d ", i + 1);
177         else
178             printf(" ");
179     }
180     printf("\n");
181 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s

Line: 89 Col: 13 Sek: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug Fitness Management Club.cpp

```
169 }
170 }
171 }
172 printf("Available slots:\n");
173 for (int i = 0; i < 5; i++)
174 {
175     if (slots[i] == 0)
176     {
177         printf("%d. 01/%02d/2023\n", i+1, i+1);
178         found = 1;
179     }
180 }
181 if (found == 0) {
182     printf("No slots available!\n");
183     return;
184 }
185 printf("Enter slot number: ");
186 scanf("%d", &slot);
187 if (slots[slot-1] == 1)
188 {
189     printf("Slot already booked!\n");
190     return;
191 }
192 printf("Slot booked successfully!\n");
193 fclose(f);
194 }
195 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s

Line: 178 Col: 11 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug Fitness Management Club.cpp

```
195
196 int main()
197 {
198     int choice;
199     while (1)
200     {
201         printf("Fitness Club Management System\n");
202         printf("\n1. Add customer record to file\n2. Delete customer record from file\n3. Display all customer records\n4. Search for customer record\n5. Select slot\n6. Exit\n");
203         printf("Enter your choice: ");
204         scanf("%d", &choice);
205         switch (choice)
206         {
207             case 1:
208                 add_record();
209                 break;
210             case 2:
211                 delete_record();
212                 break;
213             case 3:
214                 display_records();
215                 break;
216             case 4:
217                 search_record();
218                 break;
219             case 5:
220                 select_slot();
221             case 6:
222                 exit(0);
223             default:
224                 printf("Invalid choice!\n");
225         }
226     }
227     return 0;
228 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hpb\Documents\C programming\PROJECT\Fitness Management Club.exe
- Output Size: 133.9990234375 KiB
- Compilation Time: 0.16s

Line: 178 Col: 11 Sel: 0 Lines: 228 Length: 5660 Insert Done parsing in 0.047 seconds

OUTPUT:

```
C:\Users\hpi\Documents\C pr x + v
Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: 1

Enter name: ASWATHI

Enter mobile number: 1111111111

Enter BMI: 54.2

Enter address: FCFG

Enter package details: 5555

Enter joining date (DD/MM/YYYY): 04/12/24

Enter training period (in months): 6

Record added successfully!

C:\Users\hpi\Documents\C pr x + v
Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: 3
Name: aswathi
Mobile Number: 1234567891
BMI: 40.500000
Address: abc
Package Details: 4000
Joining Date: 12/04/23
Training Period: 4 months

Name: rgs
Mobile Number: 44554688
BMI: 544.000000
Address: .rdrh
Package Details: dhyd
Joining Date: 14
Training Period: 8 months

Name: ASWATHI
Mobile Number: 1111111111
BMI: 54.200001
Address: FCFG
Package Details: 5555
Joining Date: 04/12/24
```

```
C:\Users\hjp\Documents\C pr >
Training Period: 8 months

Name: ASWATHI
Mobile Number: 1111111111
BMI: 54.200001
Address: FCFG
Package Details: 5555
Joining Date: 04/12/24
Training Period: 6 months

Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: 4
Enter mobile number, name or ID to search: ASWATHI
Name: ASWATHI   Mobile Number: 1111111111   BMI: 54.200001   Address: FCFG   Package Details: 5555   Joining Date: 04
/12/24   Training Period: 6 months

Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice:
```

```
Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: 2
Enter mobile number of customer to be deleted: 1234567891
Record deleted successfully!
Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: |
```

```
Fitness Club Management System
1. Add customer record to file
2. Delete customer record from file
3. Display all customer records
4. Search for customer record
5. Select slot
6. Exit
Enter your choice: 5
Available slots:
1. 01/01/2023
2. 01/02/2023
3. 01/03/2023
4. 01/04/2023
5. 01/05/2023
Enter slot number: 3
Slot booked successfully!

-----
Process exited after 171.4 seconds with return value 0
Press any key to continue . . . |
```

CONCLUSION:

The Fitness Club Management System is an essential tool for club owners who want to manage their customers' records efficiently. It is an efficient and user-friendly program that simplifies the process of managing the customer's records in a fitness club. The modular design of the program makes it easy to modify and update to meet specific requirements. With the help of this program, club owners can keep track of their customers' records and provide them with better services. With its five modules, the system enables the club owner to add and delete customer records, display customer records, search for specific customer records, and view the club's slot timings. Ultimately, this project provides a user-friendly interface for club owners to manage their fitness club effectively.

THANK YOU