```c
#include <stdio.h>
#include <string.h>
#define MAX_CLIENTS 5
#define MAX_NAME_LEN 50
#define MAX_PASS_LEN 20
// Structure to store member/client details
typedef struct {
char username[MAX_NAME_LEN];
char password[MAX_PASS_LEN];
int isMember; // 1 for member, 0 for guest
} Client;
Client clients[MAX_CLIENTS];
int clientCount = 0;
void registerMember();
int login();
void showMenu();
void requestServices(int clientIndex);
void showAvailableServices();
void handleServiceRequest(int serviceChoice);
int main() {
int clientIndex;
printf("Welcome to the Cyber Cafe Management System\n\n");
// Register a few members for testing
registerMember(); // Register first member
registerMember(); // Register second member
while (1) {
int choice = login(); // Login the client
if (choice == -1) {
printf("Invalid login!\n");
continue;
}
clientIndex = choice;
// Display the menu and handle service request
showMenu();
requestServices(clientIndex);
printf("\nDo you want to continue? (1 for Yes, 0 for No): ");
printf("\n -------------------------------------------------\n");
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int cont;
scanf("%d", &cont);
if (cont == 0) break;
}
return 0;
}
// Function to register a new member
void registerMember() {
if (clientCount >= MAX_CLIENTS) {
printf("Maximum clients reached. Cannot register more members.\n");
return;
}
printf("Enter username for new member: ");
scanf("%s", clients[clientCount].username);
printf("Enter password for new member: ");
scanf("%s", clients[clientCount].password);
clients[clientCount].isMember = 1;
clientCount++;
printf("Member registered successfully!");
printf("\n -------------------------------------------------\n");
}
// Function to log in a client (either guest or member)
int login() {
char username[MAX_NAME_LEN], password[MAX_PASS_LEN];
printf("\nEnter your username: ");
scanf("%s", username);
printf("Enter your password: ");
scanf("%s", password);
for (int i = 0; i < clientCount; i++) {
if (strcmp(clients[i].username, username) == 0 &&
strcmp(clients[i].password, password) == 0) {
return i; // Return the index of the logged-in client
}
}
return -1; // Invalid login
}
// Function to display the cyber cafe menu
void showMenu() {
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    printf("\n--- Cyber Cafe Menu ---\n");
    printf("1. Internet Usage (Hourly)\n");
    printf("2. Request Coffee\n");
    printf("3. Request Tea\n");
    printf("4. Exit\n");
    printf("Please select an option:");
    printf("\n ------------------------------------------------\n");
}
// Function to request services
void requestServices(int clientIndex) {
int serviceChoice;
showAvailableServices();
scanf("%d", &serviceChoice);
handleServiceRequest(serviceChoice);
if (clients[clientIndex].isMember) {
printf("\nAs a member, you get a 10%% discount on services!\n");
}
}
// Function to show available services
void showAvailableServices() {
printf("\nSelect the service you want:\n");
printf("1. Internet Usage - 500 rs/hour\n");
printf("2. Coffee - 20 rs\n");
printf("3. Tea - 15 rs\n");
printf("4. Exit");
printf("\n ------------------------------------------------\n");
printf("Enter your choice:");
}
// Function to handle service requests
void handleServiceRequest(int serviceChoice) {
float price = 0;
switch (serviceChoice) {
case 1:
printf("Enter hours for internet usage: ");
int hours;
scanf("%d", &hours);
price = 500 * hours;
printf("You used the internet for %d hour(s). Total price: rs %.2f\n",
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hours, price);
break;
case 2:
price = 20;
printf("You requested a coffee. Total price: rs %.2f\n", price);
break;
case 3:
price = 15;
printf("You requested tea. Total price: rs %.2f\n", price);
break;
case 4:
printf("Exiting service request...\n");
break;
default:
printf("Invalid choice!\n");
break;
}
if (price > 0) {
// Apply discount for members
if (clients[clientCount-1].isMember) {
price *= 0.9; // 10% discount
printf("Discount applied. Final price: rs %.2f\n", price);
} else {
printf("Final price: rs %.2f\n", price);
}
}
printf("\033[32m Thank You for Visiting our cafe!\033[0m\n");
// Green text
}
```

OUTPUT

Enter username for new member: rudresh
Enter password for new member: rudresh@123
Member registered successfully!

Enter username for new member: saksham
Enter password for new member: saksham@123
Member registered successfully!

Enter your username: rudresh
Enter your password: rudresh@123

--- Cyber Cafe Menu ---
1. Internet Usage (Hourly)
2. Request Coffee
3. Request Tea
4. Exit
Please select an option:

Select the service you want:
1. Internet Usage - 500 rs/hour
2. Coffee - 20 rs
3. Tea - 15 rs
4. Exit
3. Tea - 15 rs
4. Exit
4. Exit

Enter your choice:1
Enter hours for internet usage: 5
You used the internet for 5 hour(s). Total price: rs 2500.00
Discount applied. Final price: rs 2250.00
 Thank You for Visiting our cafe!

As a member, you get a 10% discount on services!

Do you want to continue? (1 for Yes, 0 for No):

0