Computer Programming I — Homework Assignment #11

Problem: Design a simplified Vieshow Cinemas member system

Functions:

1. Sign In: Enter an email address and a password to sign in the system. You may modify your account information.

2. New Member: Append a new record into the binary file **MemberInfo.dat**.

Requirements:

1. Global variables are not allowed.

2. The format of the file **MemberInfo.dat** is as follows:

char email[ 40 ];

char password[ 24 ];

char IDNumber[ 12 ];

char name[ 12 ];

char phone[ 12 ];

The screen dialog #1:

|  |
| --- |
| Welcome to Vieshow Cinemas member system  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 0  Input Error!  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 4  Input Error!  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 2  Enter your ID number: 111  Enter your name: 111  Enter an email address: 111  Enter a password: 111  Enter your phone number: 111  Successful!  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 2  Enter your ID number: 222  Enter your name: 222  Enter an email address: 222  Enter a password: 222  Enter your phone number: 222  Successful!  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 3  Thank you... |

The screen dialog #2:

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| --- |
| Welcome to Vieshow Cinemas member system  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 2  Enter your ID number: 111  An account already exists with the ID number!  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 1  Enter email address: 111  Enter password: 222  Sorry, unrecognized email or password.  Enter email address: 111  Enter password: 111  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 0  Input Error!  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 4  Input Error!  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 1  1. Name: 111  2. Email Address: 111  3. Phone Number: 111  4. ID Number: 111  5. Password: 111  Which one do you want to modify (0 – not modify)? 6  Input Error! Please try again: 1  Enter correct data: 222  Successful!  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 1  1. Name: 222  2. Email Address: 111  3. Phone Number: 111  4. ID Number: 111  5. Password: 111  Which one do you want to modify (0 – not modify)? 0  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 3  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 3  Thank you... |

The screen dialog #3:

|  |
| --- |
| Welcome to Vieshow Cinemas member system  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 1  Enter email address: 111  Enter password: 111  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 1  1. Name: 222  2. Email Address: 111  3. Phone Number: 111  4. ID Number: 111  5. Password: 111  Which one do you want to modify (0 – not modify)? 0  Enter your choice:  1. Account Information  2. Buy Tickets  3. End  ? 3  Enter your choice:  1. Sign In  2. New Member  3. Sign Out  ? 3  Thank you... |