# Practice events – AccessNotification

Create delegate, class(es) to manage user account with money balance and test it.

In the created class(es) Hold ID, Name, Balance data, AccessError,AccessSuccessull events (based on the created delegate), Deposit, Withraw , GetBalance methods.

It is not allowed that the Balance will be bellow 0 , Validate each Withraw and Deposit , in case the Balance will be above 0 publish AccessSuccessfull, otherwise AccessError .

Each access to the mentioned methods will raise an AccessError OR AccessSuccessull event with details about the access (only in case there are subscribers)

In the event subscriber Program. OnAccessSuccessfull OR Program.OnAccessError print the access details.

Use the following code:

Account a1 = new Account( 1234, "Lisa" );

double balance;

        //

System.Console.WriteLine("Invocations WITHOUT events subscriptions:");

a1.Deposit(500);

a1.Withraw(150);

a1.Withraw(1500);

a1.Deposit(-222);

a1.Withraw(-222);

balance =a1.GetBalance();

Console.WriteLine($"{a1.ID},{a1.Name},{balance}");

        //

a1.AccessSuccessfull  += Program.OnAccessSuccessfull;

a1.AccessError  += Program.OnAccessError;

        //

System.Console.WriteLine("Invocations WITH events subscriptions:");

a1.Deposit(500);

a1.Withraw(150);

a1.Withraw(1500);

a1.Deposit(-222);

a1.Withraw(-222);

balance =a1.GetBalance();

Console.WriteLine($"{a1.ID},{a1.Name},{balance}");

To produce this output:תמונה שמכילה טקסט, צילום מסך, צג, שחור

התיאור נוצר באופן אוטומטי