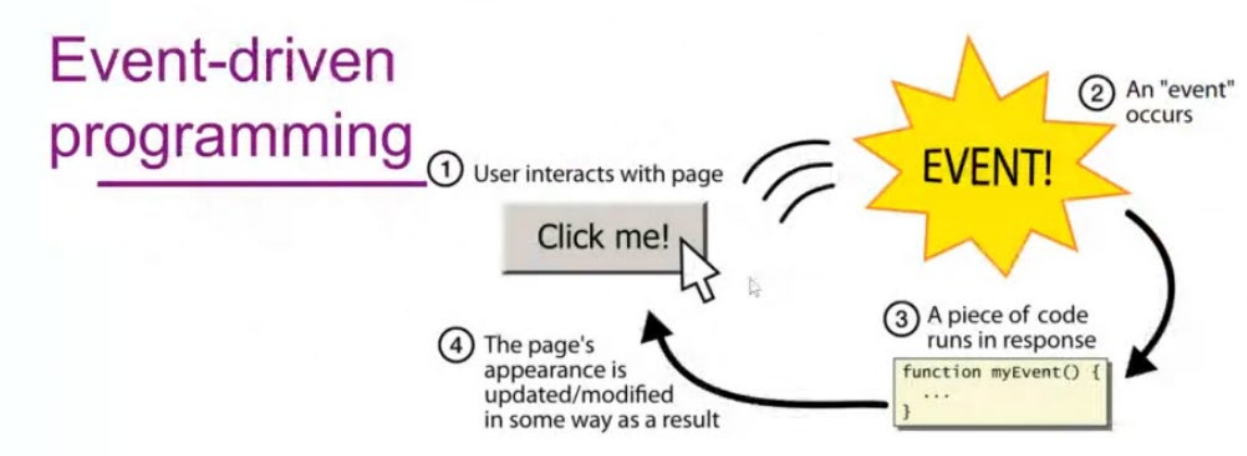


Examples

EventsDemo

ChequingAccount.cs | Program.cs*

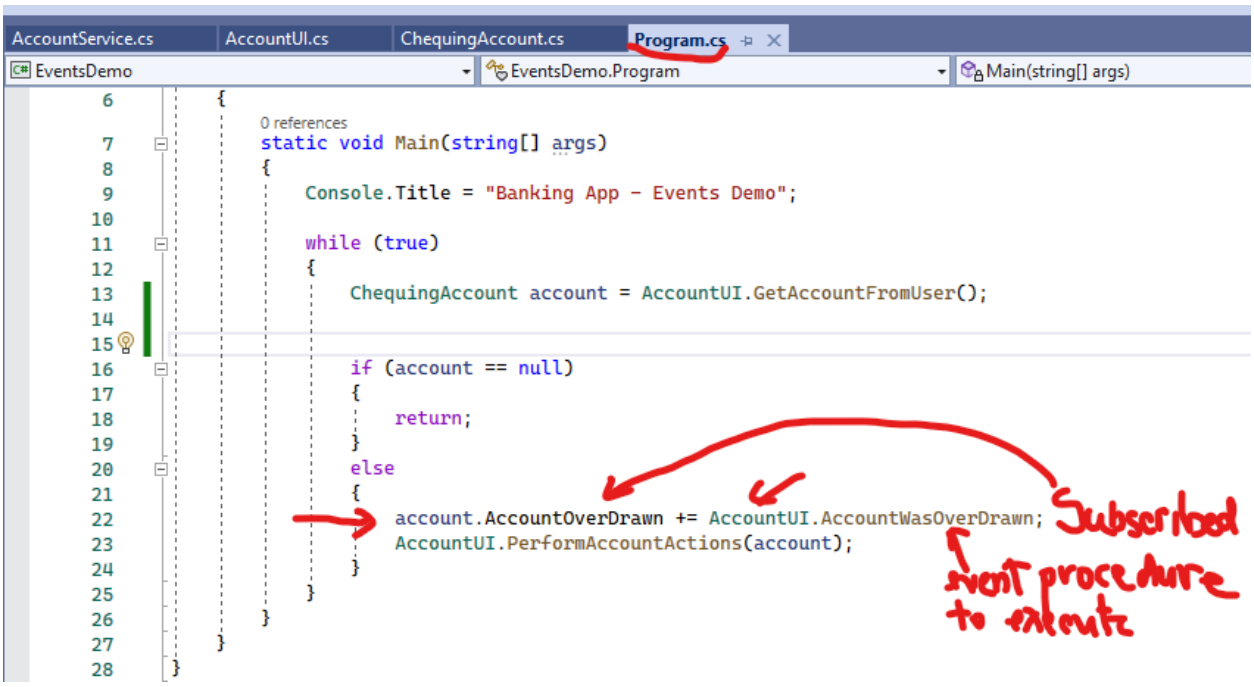
EventsDemo.ChequingAccount | WithDraw(decimal amount)

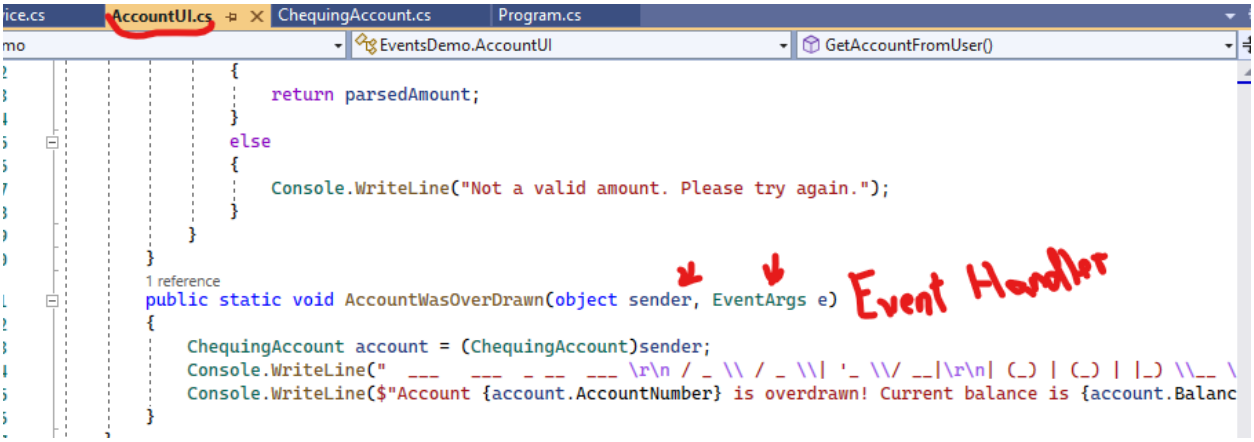
```
        this.Balance = initialBalance;
    }

    /// <summary>
    /// Event to be raised if the <see cref="Balance"/> becomes less than zero
    /// </summary>
    public event EventHandler<EventArgs> AccountOverDrawn;

    /// <summary>
    /// Wihtdraw money out of account.
    /// Raises the <see cref="AccountOverDrawn"/> event if this causes the <see cref="Balance"/> property to
    /// </summary>
    /// <exception cref="ArgumentOutOfRangeException">Thrown if amount is less than zero.
    /// Use the <see cref="Deposit"/> method to increase the balance of the account</exception>
    /// <param name="amount"></param>
    2 references
    public void WithDraw(decimal amount)
    {
        if (amount <= 0m)
        {
            throw new ArgumentOutOfRangeException("Amount", "Amount must be greater than zero");
        }

        Balance -= amount;

        if (Balance < 0.00m)
        {
            if (AccountOverDrawn != null)
            {
                AccountOverDrawn.Invoke(this, new EventArgs());
            }
        }
    }
```

Declared

Fired

How the Event is linked to the Event procedure to be executed


AccountService.cs
AccountUI.cs
ChequingAccount.cs
Program.cs
EventsDemo
EventsDemo.Program
Main(string[] args)
0 references
static void Main(string[] args)
{
Console.Title = "Banking App - Events Demo";
while (true)
{
ChequingAccount account = AccountUI.GetAccountFromUser();
if (account == null)
{
return;
}
else
{
account.AccountOverDrawn += AccountUI.AccountWasOverDrawn;
AccountUI.PerformAccountActions(account);
}
}
}
}
}
Subscribed event procedure to execute


AccountUI.cs
ChequingAccount.cs
Program.cs
EventsDemo.AccountUI
GetAccountFromUser()
return parsedAmount;
}
else
{
Console.WriteLine("Not a valid amount. Please try again.");
}
}
}
1 reference
public static void AccountWasOverDrawn(object sender, EventArgs e)
Event Handler
{
ChequingAccount account = (ChequingAccount)sender;
Console.WriteLine("
Console.WriteLine($"Account {account.AccountNumber} is overdrawn! Current balance is {account.Balanc
}