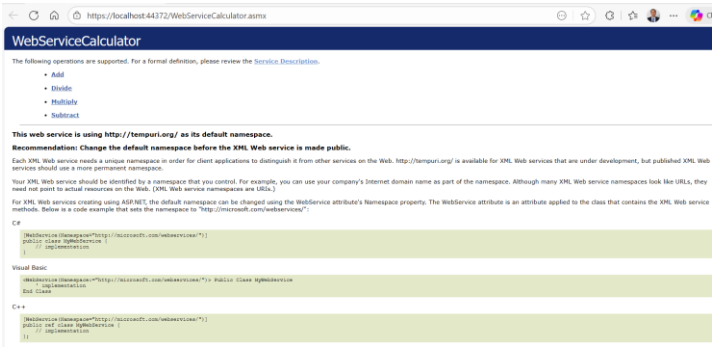
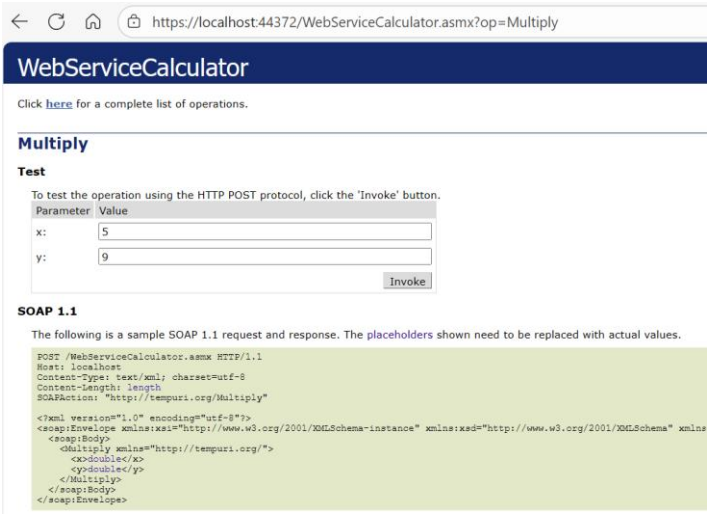
Assignment 10

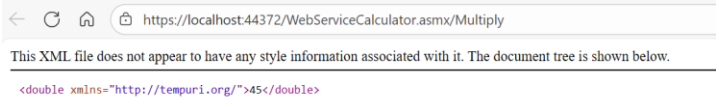
Question 1: Calculator Web Service

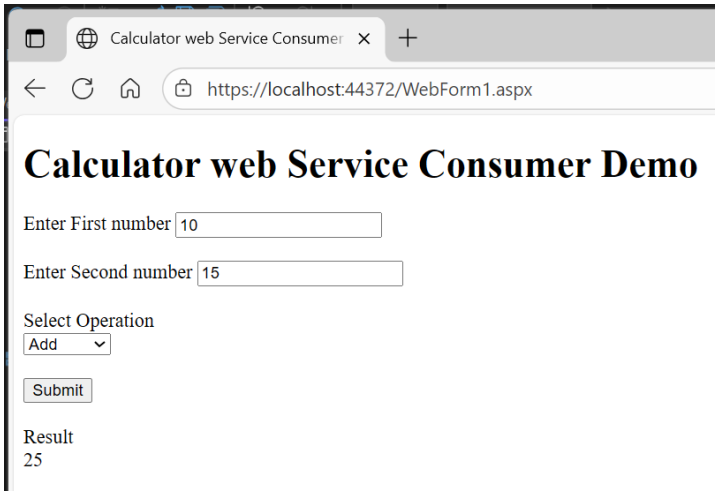
Web Service Calculator

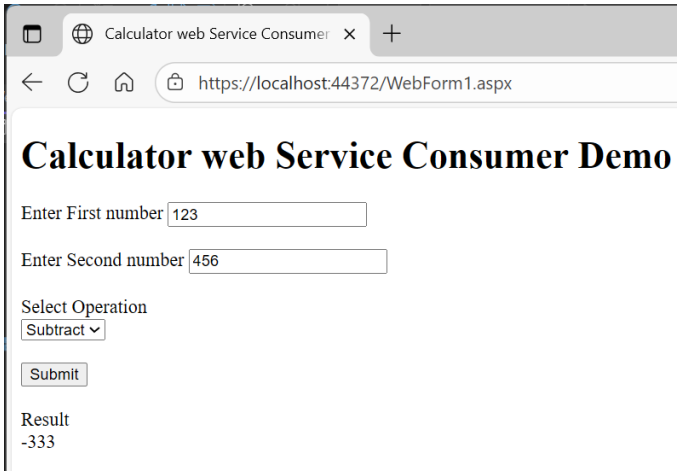


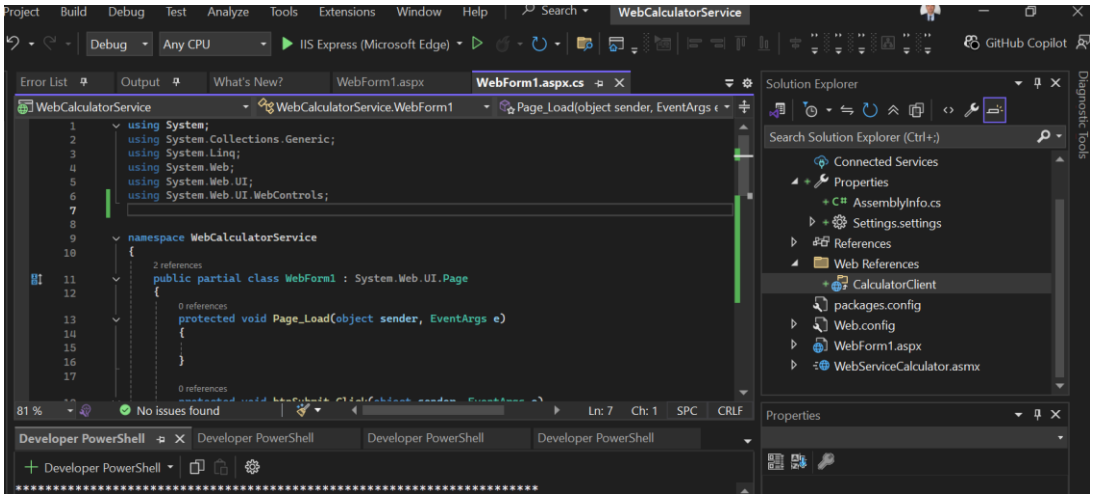
WSDL






Calculator web Service Consumer
https://localhost:44372/WebForm1.aspx
Calculator web Service Consumer Demo
Enter First number 10
Enter Second number 15
Select Operation
Add
Submit
Result
25

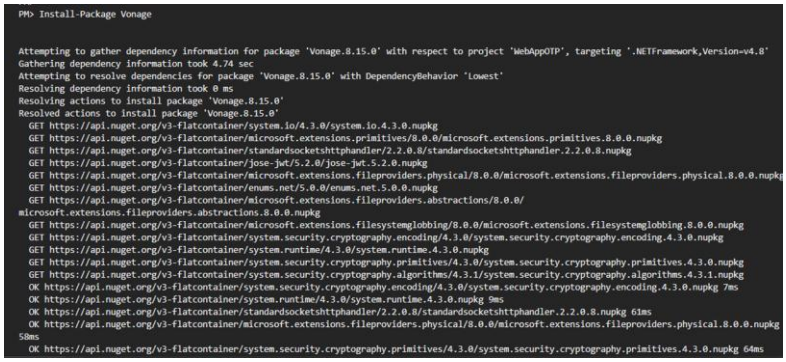

Calculator web Service Consumer
https://localhost:44372/WebForm1.aspx
Calculator web Service Consumer Demo
Enter First number 123
Enter Second number 456
Select Operation
Subtract
Submit
Result
-333

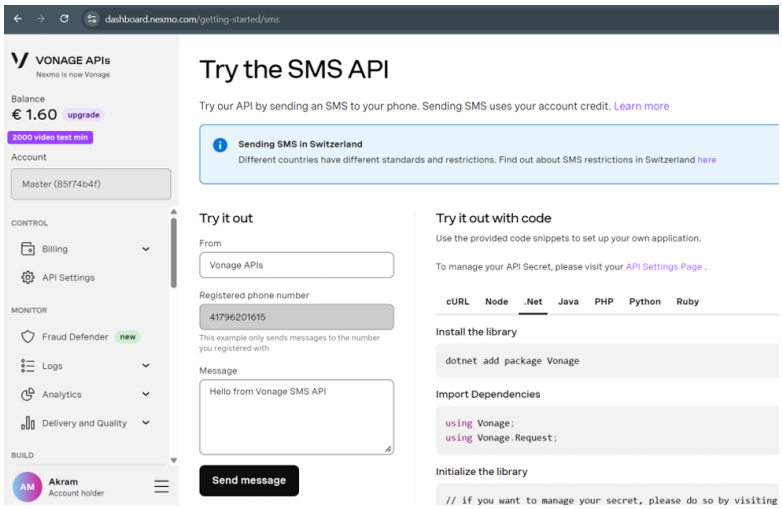

WebCalculatorService
Debug
Any CPU
IIS Express (Microsoft Edge)
GitHub Copilot
WebForm1.aspx.cs
Solution Explorer
Search Solution Explorer (Ctrl+;)
Connected Services
Properties
AssemblyInfo.cs
Settings.settings
References
Web References
CalculatorClient
packages.config
Web.config
WebForm1.aspx
WebServiceCalculator.asmx
Developer PowerShell

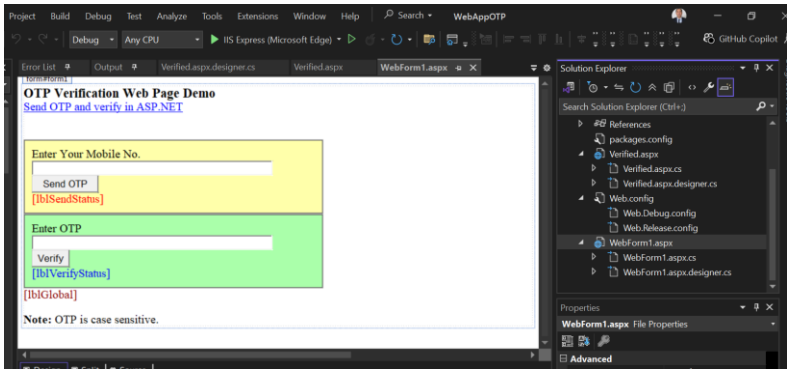
Question 2: OTP Verification

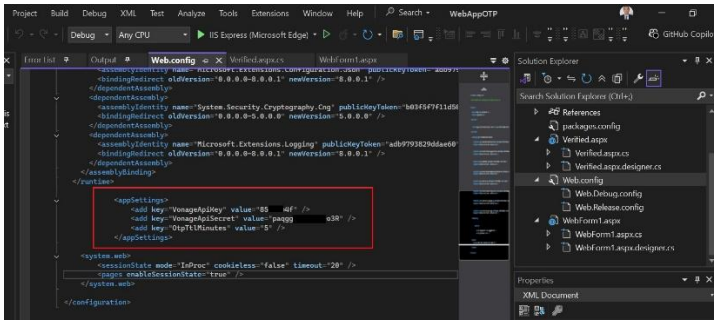
Create a Web application that uses API for sending OTP One Time Password through text message on phone number and ask user to verify in the web form.

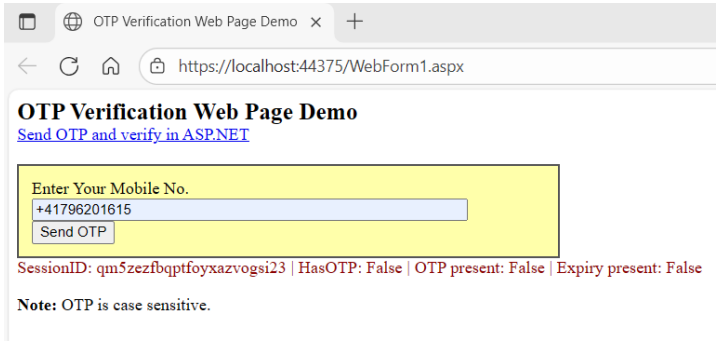
sInstall the NuGet package
In Visual Studio's Package Manager Console, run:
Install-Package Vonage

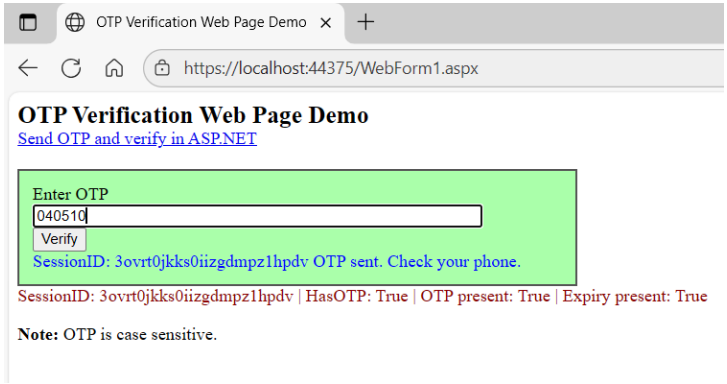


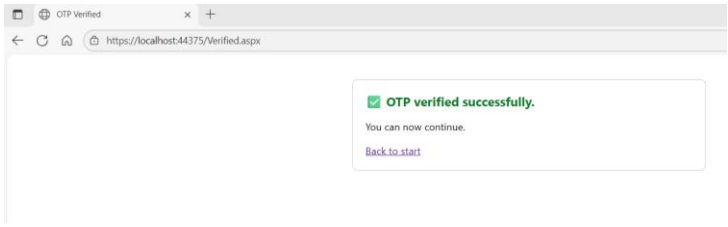






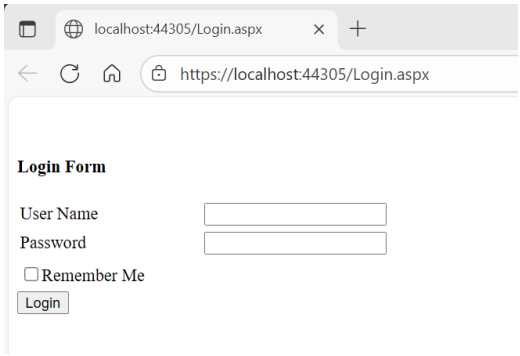

OTP Verification Web Page Demo
https://localhost:44375/WebForm1.aspx
OTP Verification Web Page Demo
Send OTP and verify in ASP.NET
Enter Your Mobile No.
+41796201615
Send OTP
SessionID: qm5zezfbqptfoyxazvogsi23 | HasOTP: False | OTP present: False | Expiry present: False
Note: OTP is case sensitive.


OTP Verification Web Page Demo
https://localhost:44375/WebForm1.aspx
OTP Verification Web Page Demo
Send OTP and verify in ASP.NET
Enter OTP
040510
Verify
SessionID: 3ovrt0jkks0iizgdmpz1hpdv OTP sent. Check your phone.
SessionID: 3ovrt0jkks0iizgdmpz1hpdv | HasOTP: True | OTP present: True | Expiry present: True
Note: OTP is case sensitive.

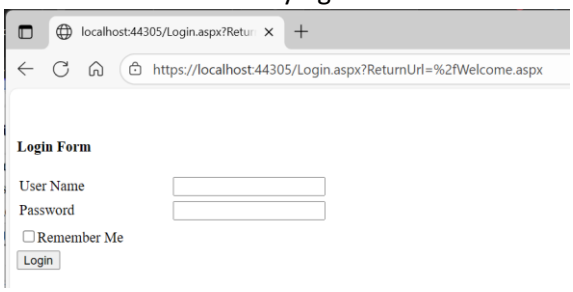

OTP Verified
https://localhost:44375/Verified.aspx
OTP verified successfully.
You can now continue.
Back to start

VonageOTP
dimanche 9 novembre
Your OTP is 924974. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
22:29
dimanche 30 novembre
Your OTP is 040510. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
14:54

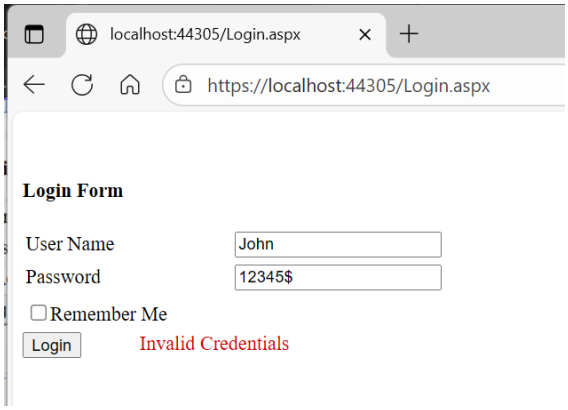
Question 3: Forms Authentication and Authorization

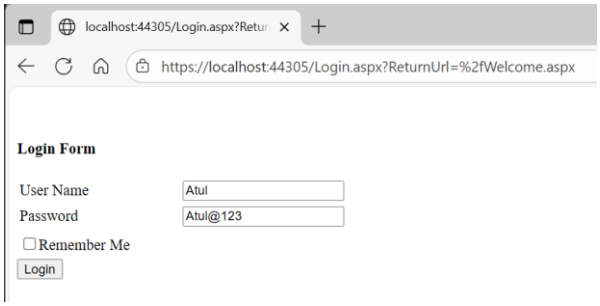


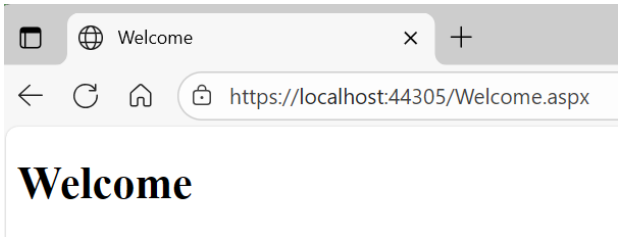
Check Authorization: Trying to access Welcome.aspx

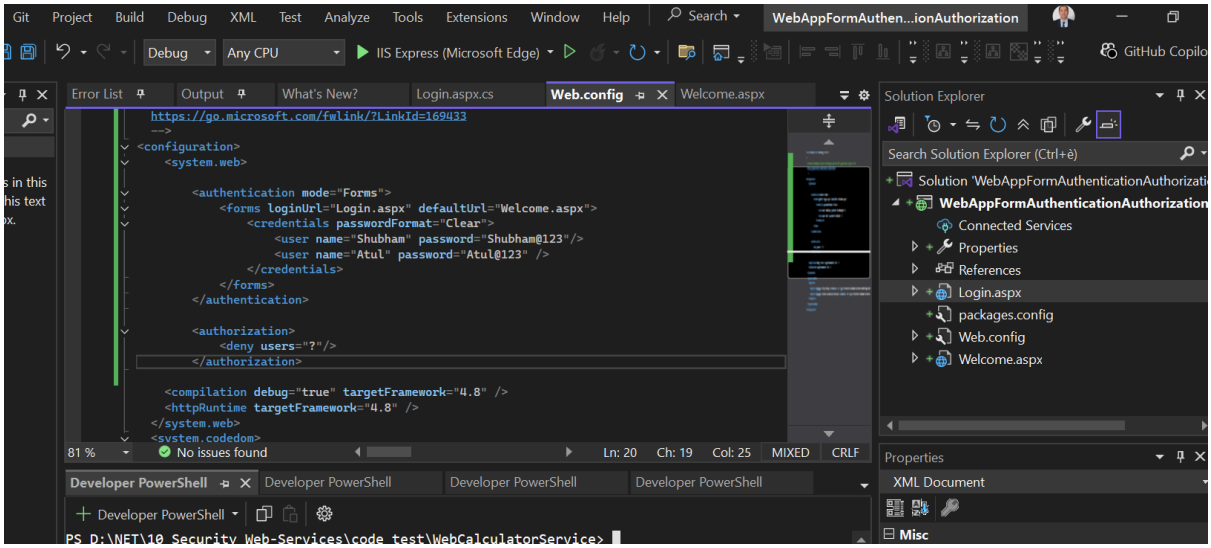


Wrong Credentials






Welcome
https://localhost:44305/Welcome.aspx
Welcome


Git Project Build Debug XML Test Analyze Tools Extensions Window Help
Search
WebAppFormAuthen...ionAuthorization
Debug
Any CPU
IIS Express (Microsoft Edge)
GitHub Copilo
Error List
Output
What's New?
Login.aspx.cs
Web.config
Welcome.aspx
https://go.microsoft.com/fwlink/?LinkId=169433
<configuration>
<system.web>
<authentication mode="Forms">
<forms loginUrl="Login.aspx" defaultUrl="Welcome.aspx">
<credentials passwordFormat="Clear">
<user name="Shubham" password="Shubham@123"/>
<user name="Atul" password="Atul@123" />
</credentials>
</forms>
</authentication>
<authorization>
<deny users="?"/>
</authorization>
<compilation debug="true" targetFramework="4.8" />
<httpRuntime targetFramework="4.8" />
</system.web>
<system.codedom>
81 %
No issues found
Ln: 20
Ch: 19
Col: 25
MIXED
CRLF
Developer PowerShell
Developer PowerShell
Developer PowerShell
Developer PowerShell
Developer PowerShell
PS D:\NET\10 Security Web-Services\code test\WebCalculatorService>
Solution Explorer
Search Solution Explorer (Ctrl+è)
Solution 'WebAppFormAuthenticationAuthorizati
WebAppFormAuthenticationAuthorization
Connected Services
Properties
References
Login.aspx
packages.config
Web.config
Welcome.aspx
Properties
XML Document
Misc