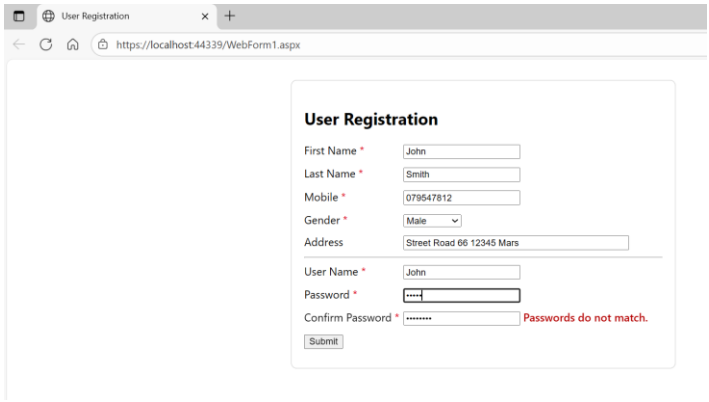
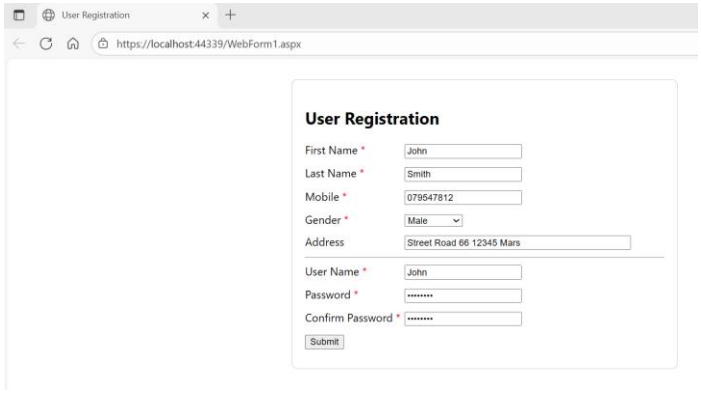
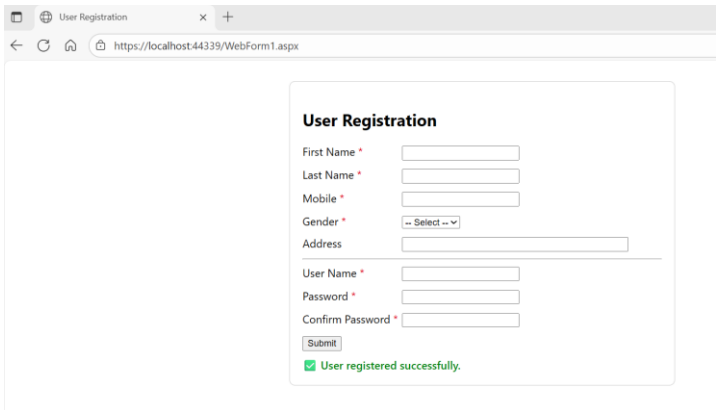
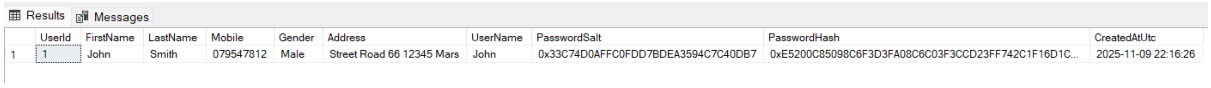
ASP.NET Assignment 6

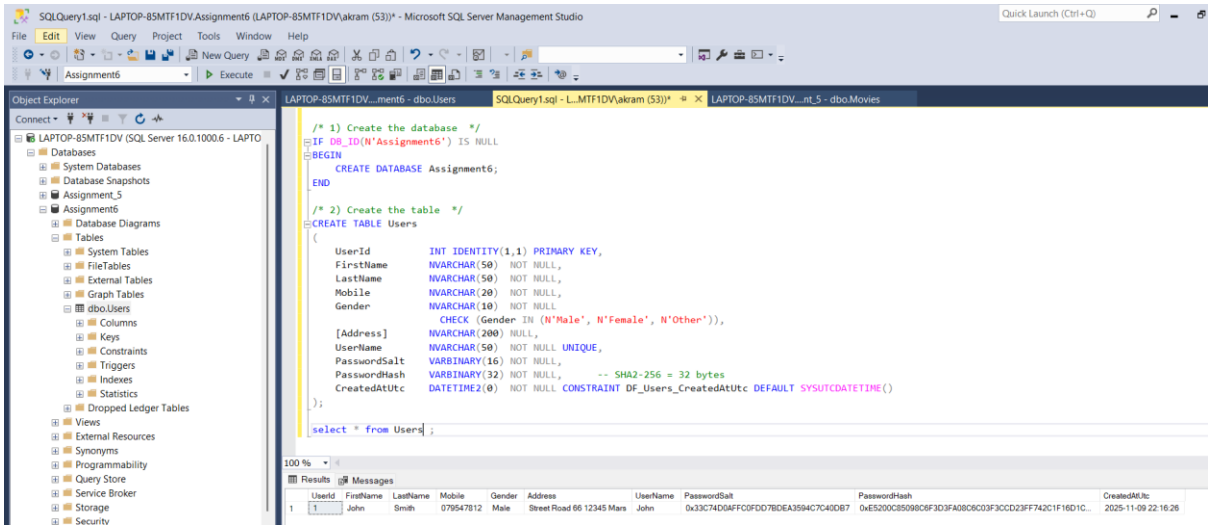
QUESTION 1 : Creating a user registration web application DESCRIPTION: Create a data table with columns First Name, Last Name, Mobile, Gender , Address, User Name and Password . Create a web application that has following fields as textboxes: First Name, Last Name, Mobile, Address, User Name, Password, and Confirm Password and a dropdown list Gender .on clicking submit button the data should be written in database.












```
/* 1) Create the database  */
IF DB_ID(N'Assignment6') IS NULL
BEGIN
   CREATE DATABASE Assignment6;
END

/* 2) Create the table  */
CREATE TABLE Users
(
   UserId         INT IDENTITY(1,1) PRIMARY KEY,
   FirstName      NVARCHAR(50)  NOT NULL,
   LastName       NVARCHAR(50)  NOT NULL,
   Mobile         NVARCHAR(20)  NOT NULL,
   Gender         NVARCHAR(10)  NOT NULL
                  CHECK (Gender IN (N'Male', N'Female', N'Other')),
   [Address]      NVARCHAR(200) NULL,
   UserName       NVARCHAR(50)  NOT NULL UNIQUE,
   PasswordSalt   VARBINARY(16) NOT NULL,
   PasswordHash   VARBINARY(32) NOT NULL,     -- SHA2-256 = 32 bytes
   CreatedAtUtc   DATETIME2(0)  NOT NULL CONSTRAINT DF_Users_CreatedAtUtc DEFAULT SYSUTCDATETIME()
);

select * from Users ;
```

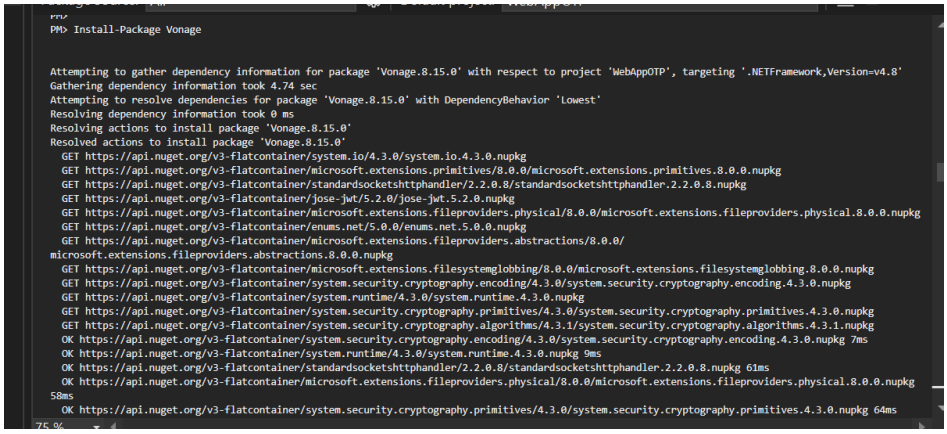
<u>QUESTION 2 :</u> OTP verification DESCRIPTION:

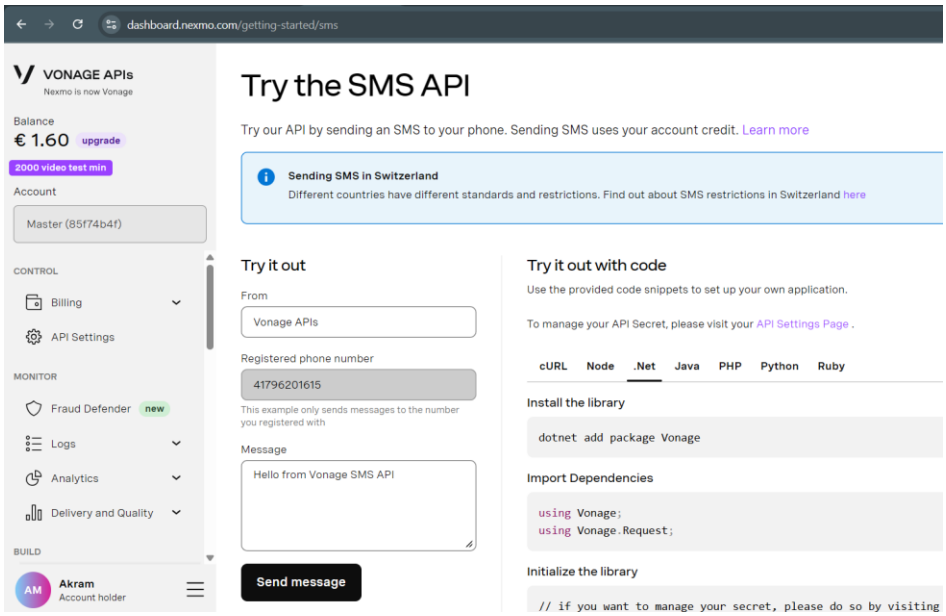
Create a Web application that uses API for sending one time password through text message on phone number and ask user to verify the same in web form

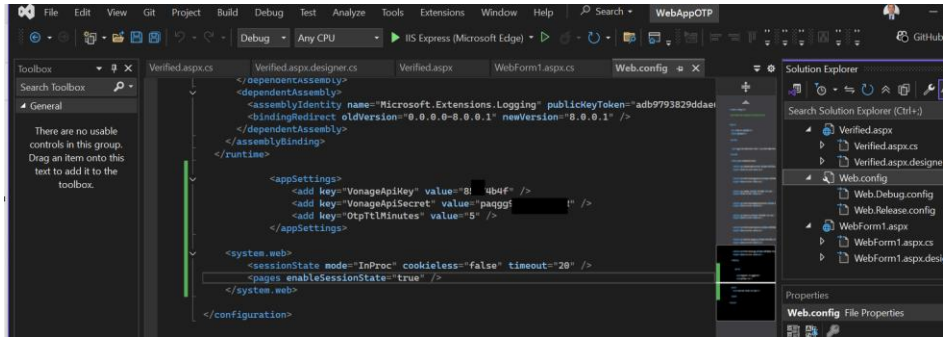
Install the NuGet package

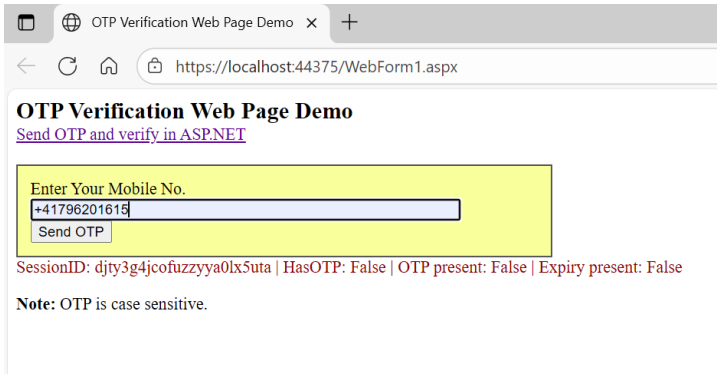
In Visual Studio's **Package Manager Console**, run:

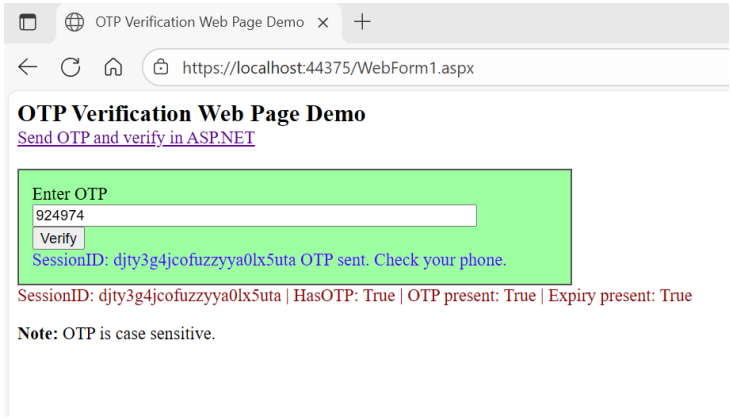
Install-Package Vonage

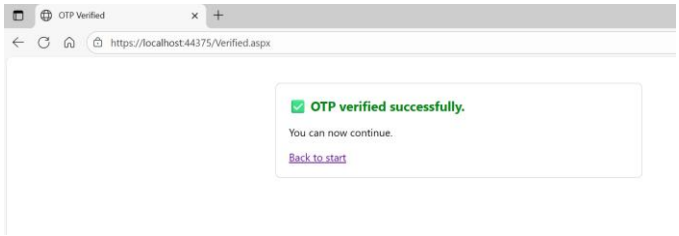


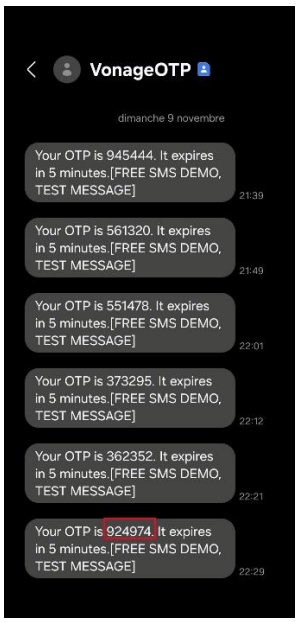




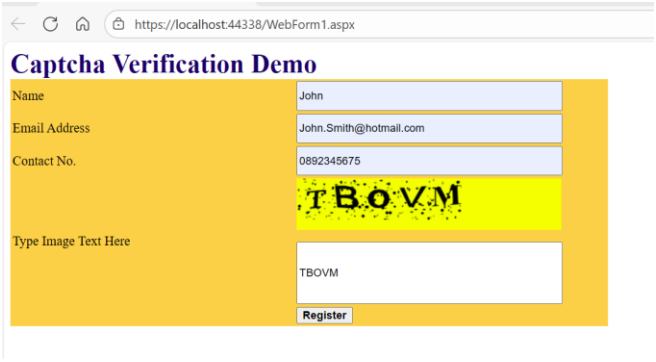

OTP Verification Web Page Demo
https://localhost:44375/WebForm1.aspx
OTP Verification Web Page Demo
Send OTP and verify in ASP.NET
Enter Your Mobile No.
+41796201615
Send OTP
SessionID: djty3g4jcofuzzyya0lx5uta | HasOTP: False | OTP present: False | Expiry present: False
Note: OTP is case sensitive.

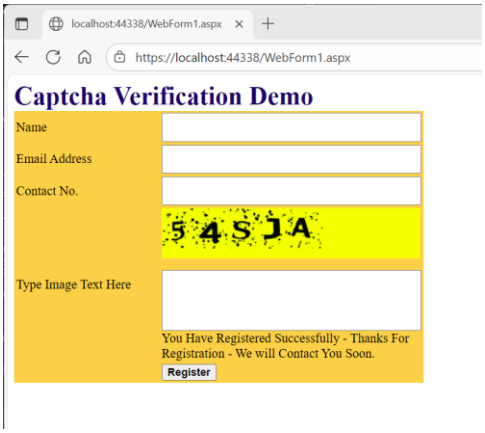

OTP Verification Web Page Demo
https://localhost:44375/WebForm1.aspx
OTP Verification Web Page Demo
Send OTP and verify in ASP.NET
Enter OTP
924974
Verify
SessionID: djty3g4jcofuzzyya0lx5uta OTP sent. Check your phone.
SessionID: djty3g4jcofuzzyya0lx5uta | HasOTP: True | OTP present: True | Expiry present: True
Note: OTP is case sensitive.

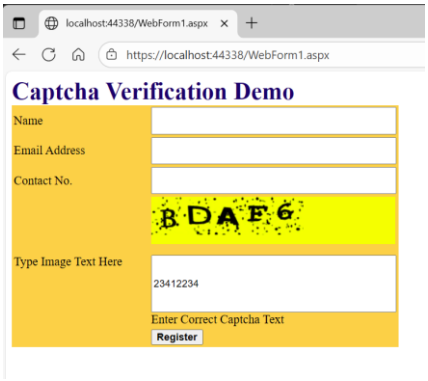
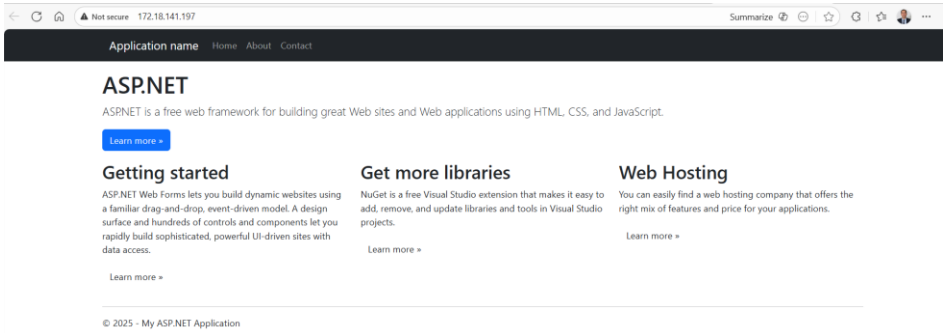
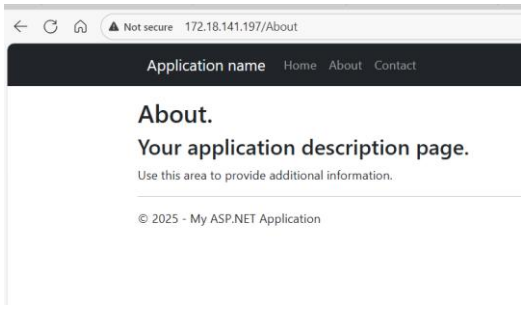
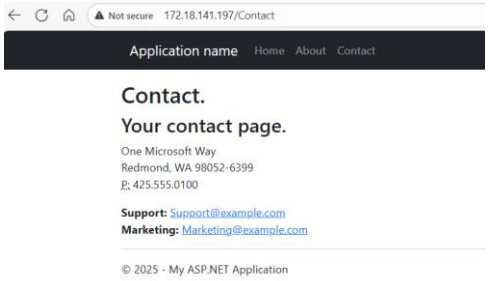

OTP Verified
https://localhost:44375/Verified.aspx
OTP verified successfully.
You can now continue.
Back to start


VonageOTP
dimanche 9 novembre
Your OTP is 945444. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
21:39
Your OTP is 561320. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
21:49
Your OTP is 551478. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
22:01
Your OTP is 373295. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
22:12
Your OTP is 362352. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
22:21
Your OTP is 924974. It expires in 5 minutes.[FREE SMS DEMO, TEST MESSAGE]
22:29

QUESTION 3 : Captcha Verification DESCRIPTION: Create a windows application that has Name, Email, Contact no. Textboxes and add a captcha assembly which creates captcha and verifies it every time. after successful captcha verification a message should be displayed which reads ”You have registered Successfully”. If captcha entered by user is wrong it should display “enter the correct captcha”.







QUESTION 4 : Master page DESCRIPTION: Create a Windows application with one master page and two child pages/ Content pages.