



LOVELY
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UNIVERSITY

Compiled Report
on
Incredible India Tourism Website

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Submitted to:
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Description: A sample project which explains about developing an Asp.Net Application in layered architecture. This application has all coding standards in place. This project is developed only Tourism website.

Project Requirement:

Need to develop a tourism application with below operations available.

- Need to capture the Guides and Customer information
- Need to capture various location
- Any person can see locations available in application
- Application should have ability to update the existing data.
- Application should have static pages to display predefined content.

Below technologies are used in this application development

- ASP.NET
- C#.NET
- SQL Server
- HTML
- JavaScript
- Css

Concepts Covered in this project:

1. Using Master Page.
2. Using Validation controls to validate page.
3. Binding grid-view with data-source controls and edit delete operations using gridview.
4. Centralized session management
5. Uploading files to server
6. Using Query Strings
7. Using Object Oriented Programming (Using classes and objects) to do database operations
8. Inserting Data into database using stored procedures
9. Updating/deleting Data into database using stored procedures
10. Centralized procedure names management
11. Using same screen for two different type of user's database operations
12. Centralized database operations
13. Implementing coding when tables having Parent and Child relation (Added database diagram for reference).
14. OOPs in relational database operations (Parent and Child/ Primary and Foreign key operations)
15. Maintaining database transactions in dot net while doing multiple database operations at once.
16. Commit and roll back operations using dot net.
17. Exception Handling (Not included logging)
18. Writing Stored Procedures
19. HTML & CSS

Architecture:

This application has two layer architecture as below

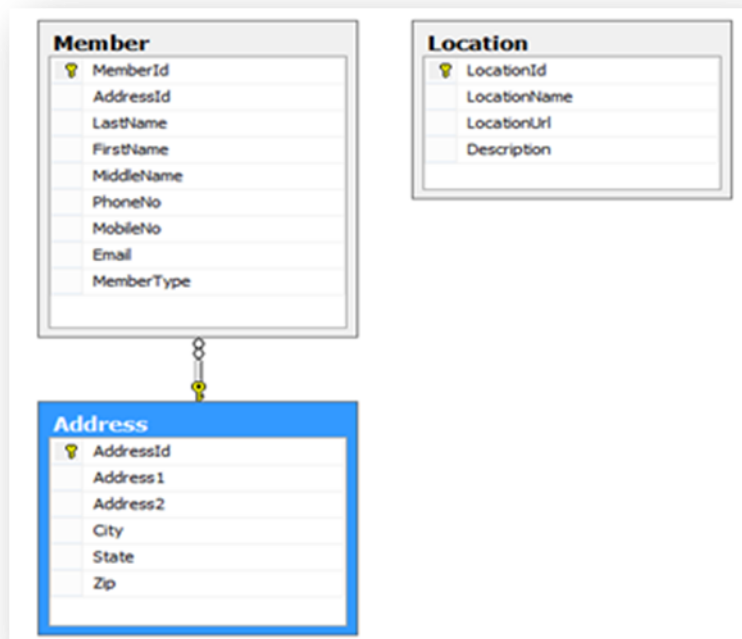
- Presentation Layer: Which will have all presentation related code and design.
- Data Access Layer: Which will have all database operations.

Presentation layer will communicate Data Access layer for all database operations such as Insert, Update, Delete and Get operations.

Implementation Code

Database (Tables and Connectivity)

This application has 3 tables and stored procedures are also included in database. Below diagram will helps you to understand the database relations.



we need to configure the database before you open the application in browser.

We can configure database three ways

1. Restore Backup file (Works for SQL Server 2008 R2 only)
2. Execute the provided database scripts to create new database in your server
3. Attach the database directly to your database server
4. Keep database .mdf and .ldf files in your App_Data directory and use below connection string to connect the database

Connectivity

Connection String: `<add name="ConnectionString1" connectionString="Data Source=.;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True;User Instance=True" providerName="System.Data.SqlClient"/>`

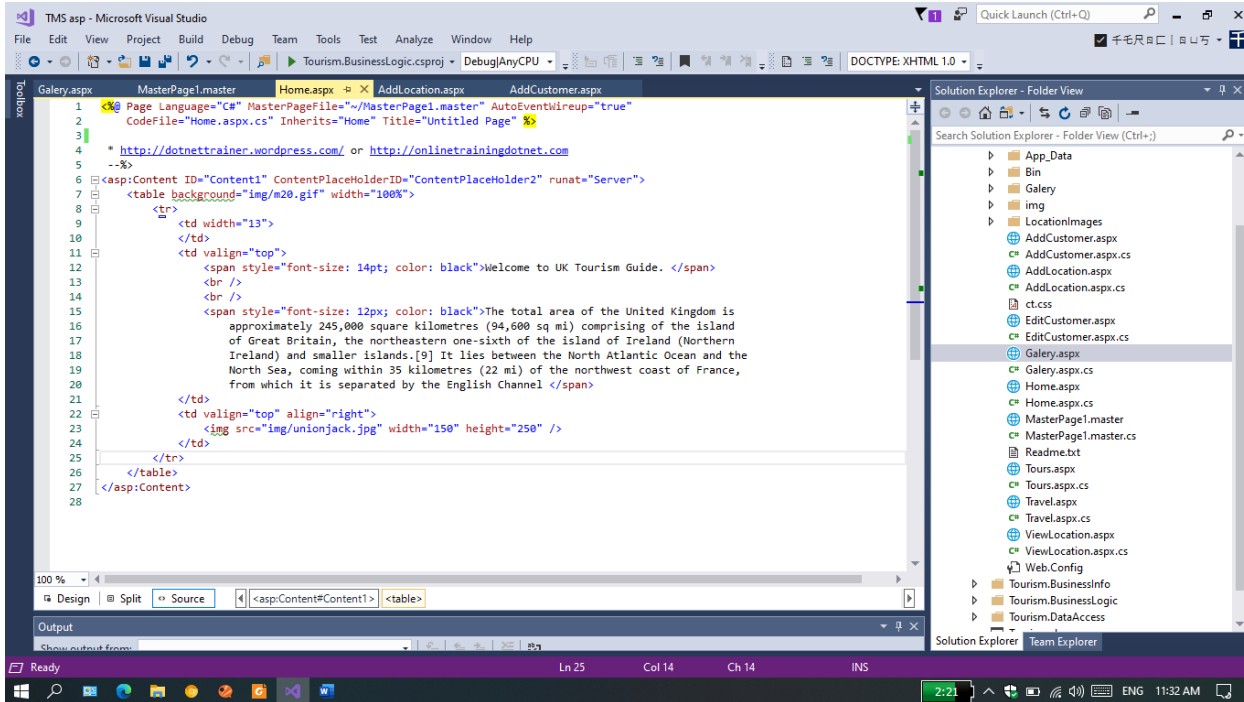
In the above case please check for data-source (. or ./sqlexpress or any other database instance)

We are providing below database files and you can use any of the file as per your convenience

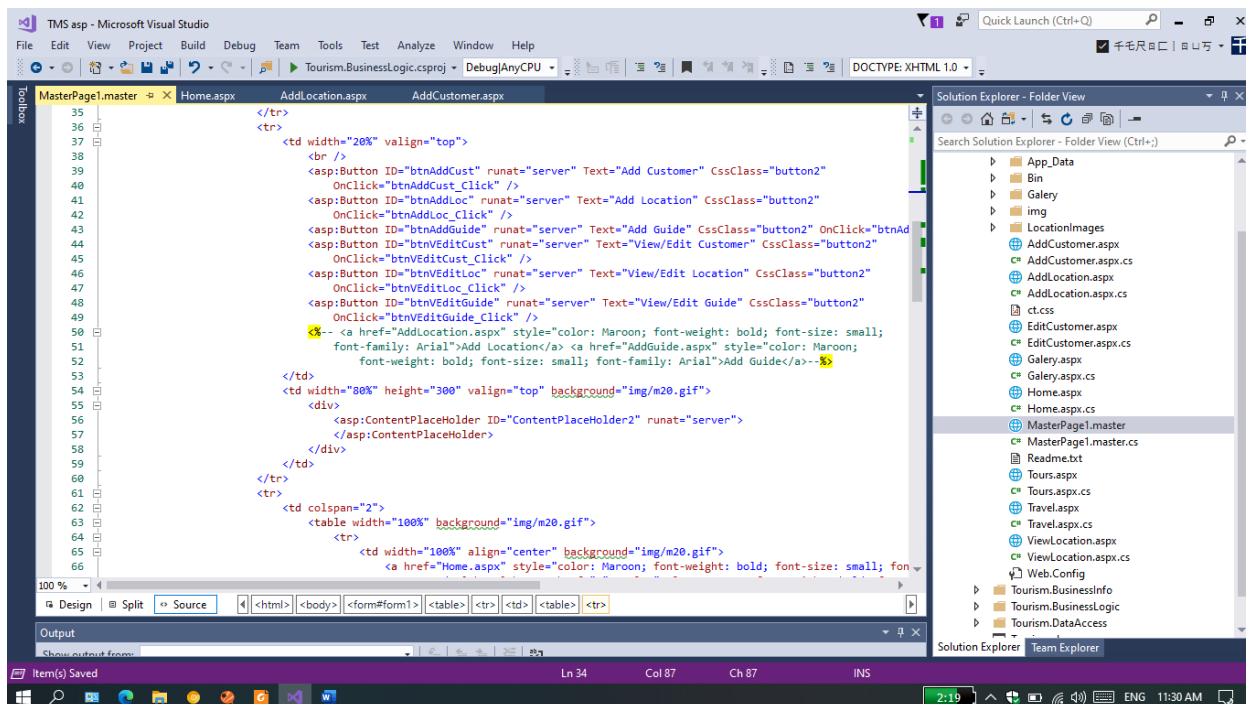
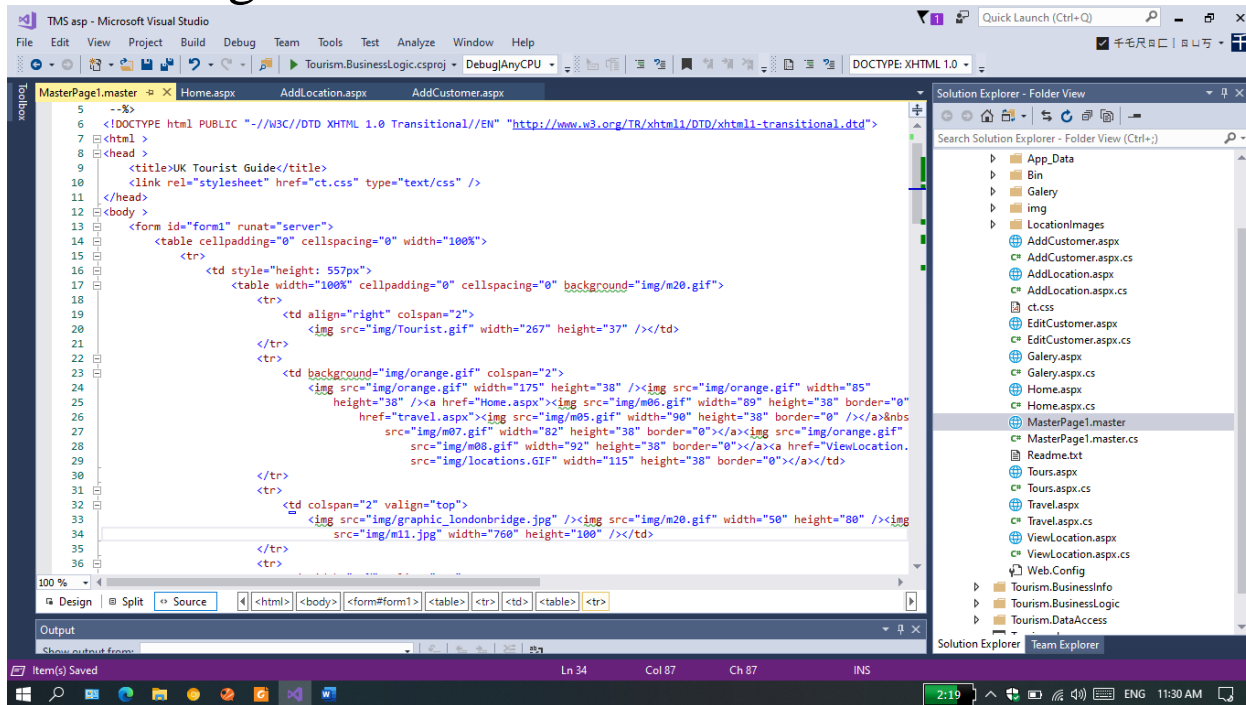
1. “.bak” file (works only for Sql Server 2008 R2).
2. “.mdf” and “.ldf” files
3. Sql Script file.

Code

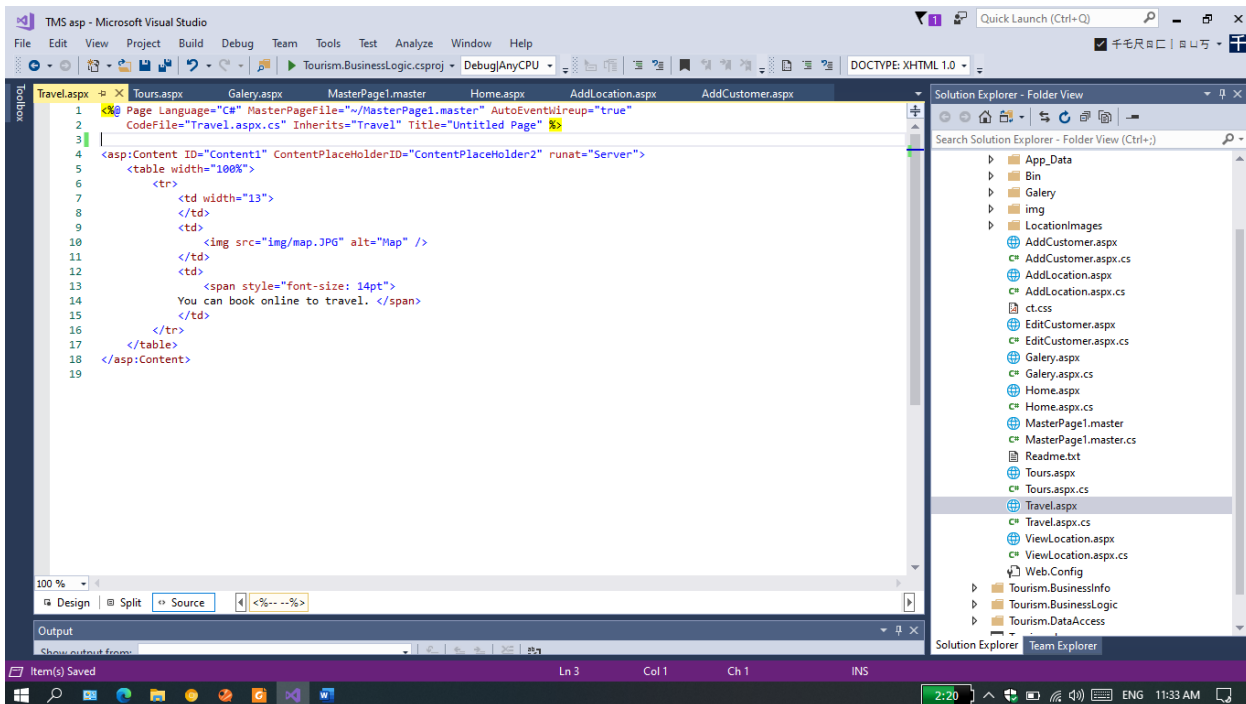
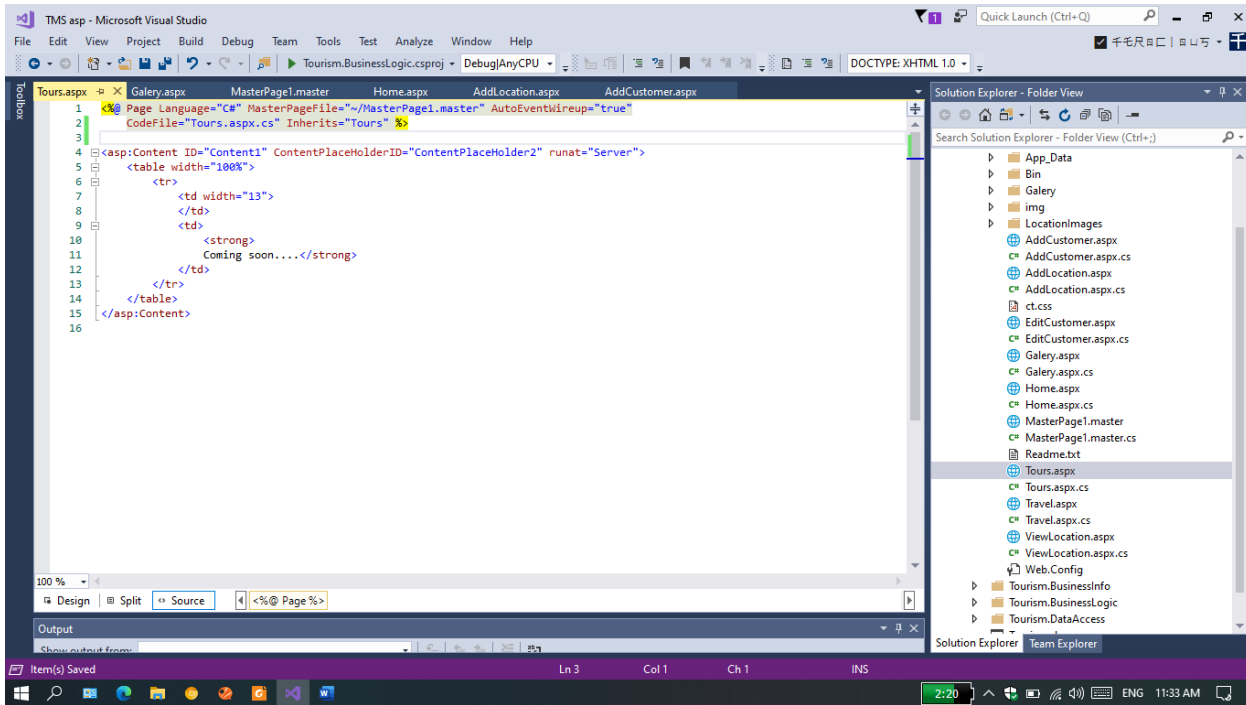
Home:



MasterPage1:

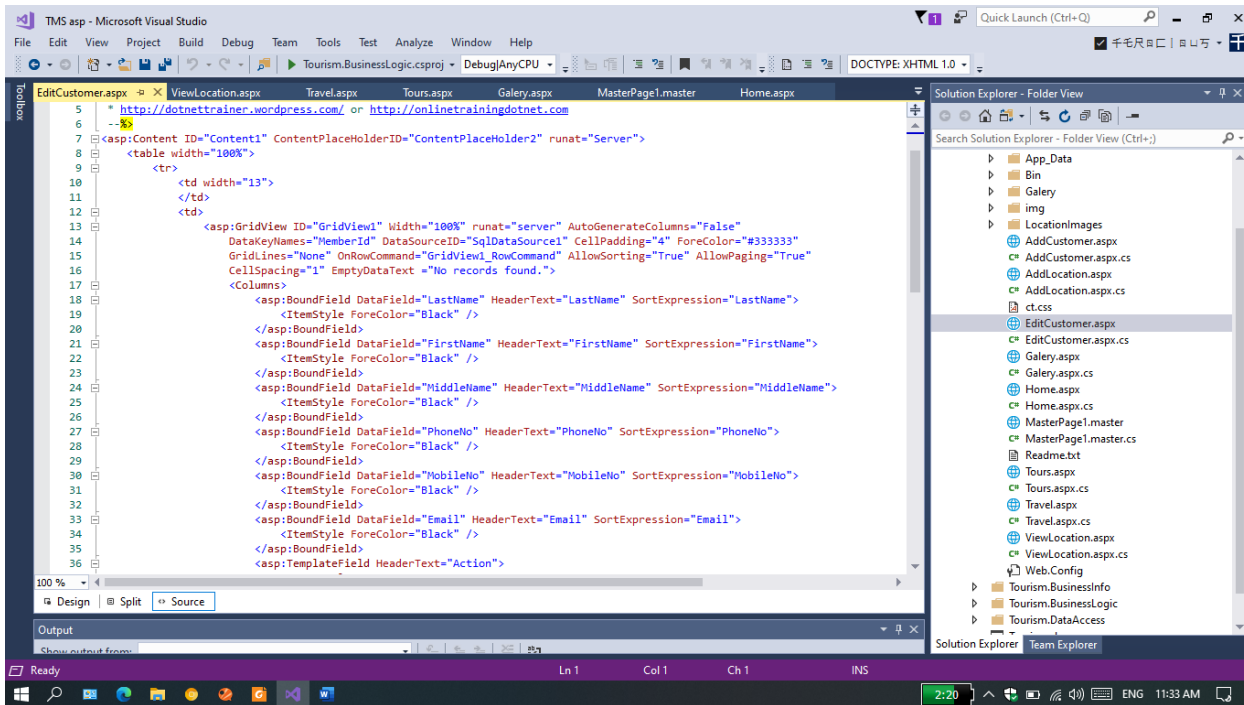


Tours and Travels

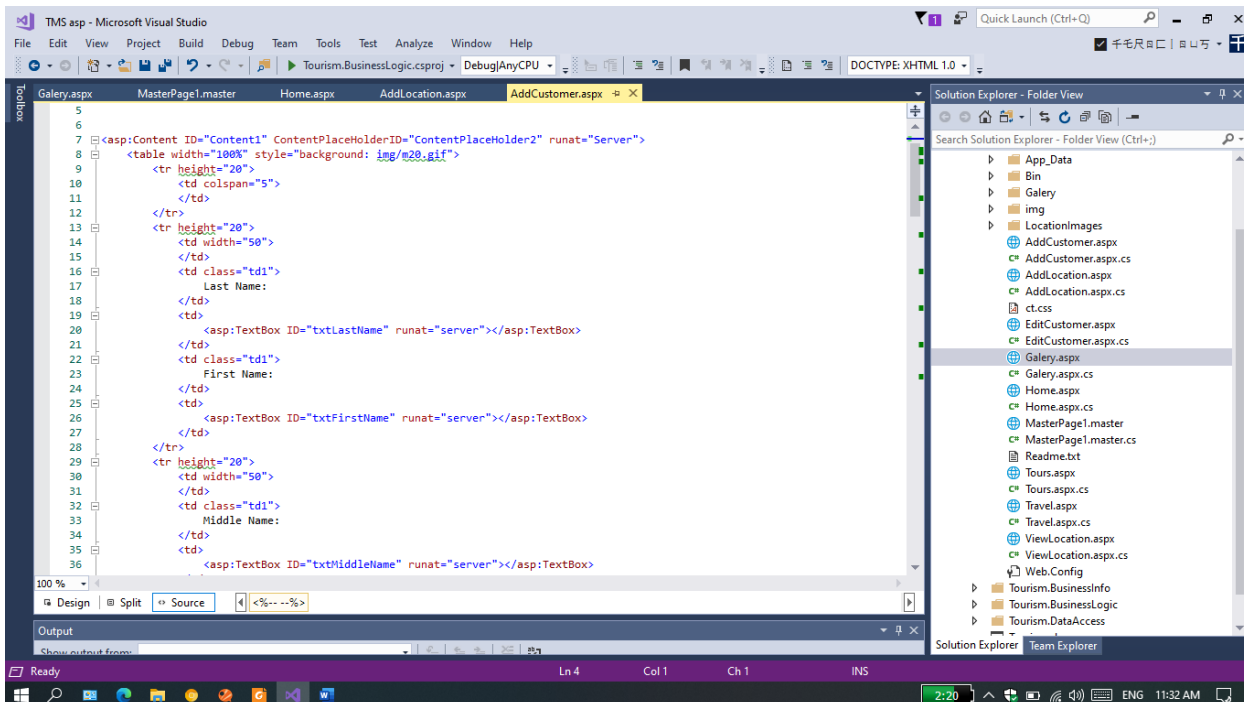


Ed

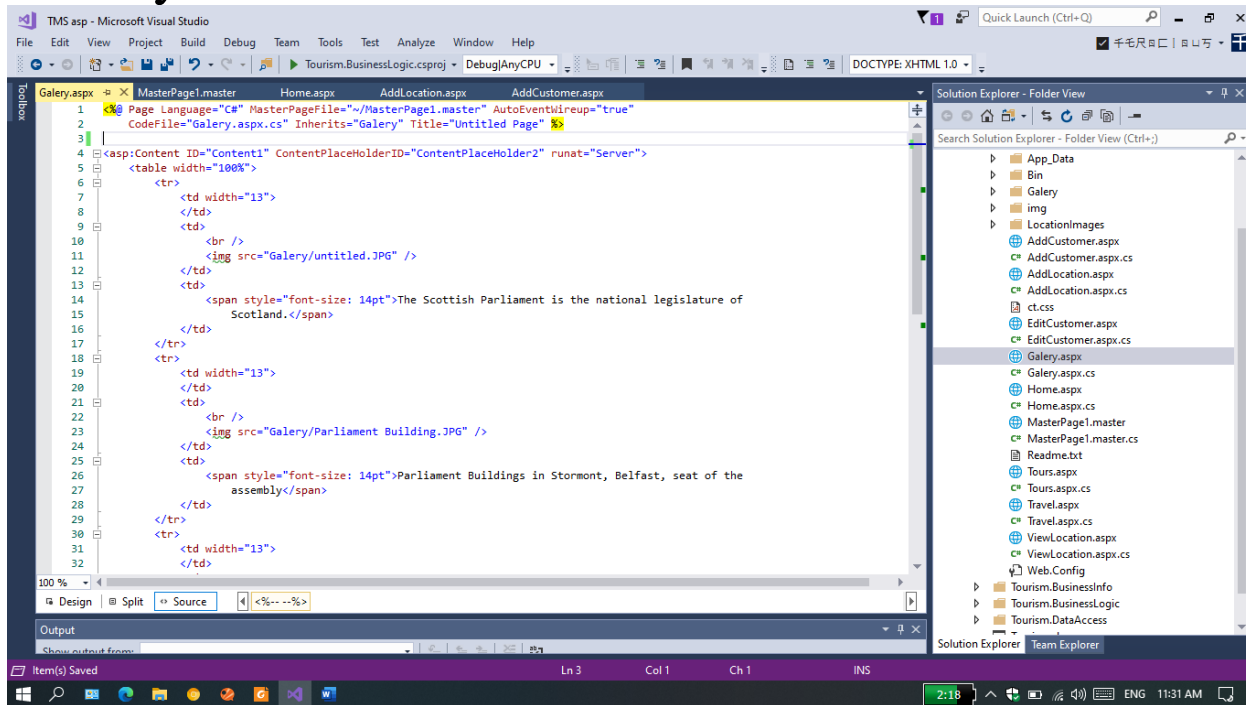
Edit Customers



AddCustomer



Gallery



Location

