RAZORPAGES

# INTRODUCTION

A Razor Page is a one way of developing web applications where CURD operations and UI works under same project file. Razor Page project consists of folder structure

1. Data – Where DBContext library is interfaced and used for querying the Model.
2. Models – Where we create a dataschema for table. E.g., a book table must have name, price author and following entities.
3. Pages – Where we do the functionality of curd operation respective to each and have html files
4. Program.cs - Is a main file of the project

# Data – ProjectNameContext.cs File

* In this a class is created and interface with DbContext which helps in creating a session and help in querying.
* public DbSet<BookListRazor.Models.Book>? Book { get; set; } The Dbset in the line helps you query the instance of the book.

# Migrations

## InitialCreate.cs

* File which helps in creating the table in SQL Database.

## ModelSnapshot

* Snapshot of the table.

# Models

A Place where we create dataschema for every table in the database.

# Pages

## Specific Function Folder like Book, Product, Movie

* Post method – where cshtml and cs file will be present. This file interface with Page model which helps in representing as the page.

Graphical user interface, text, application

Description automatically generated

The above snapshot shows a async method which check the whether the form is filled and add the data to the database and save the changes in the context and redirect to the home page

* Delete – Get the specific with the id and passes the following condition checks and use remove function.

Text

Description automatically generated

* Put – In the OnGetAsync function we get the id of the specific record and condition pass it. Here a FirstOrDefaultAsync function is used to take the first record or default one. A screenshot of a computer

  Description automatically generated with medium confidence

## Shared

* This folder is for components like navbar, menu, footer to be used in all the files.