### Prerequisites

1. **Development Environment**: Ensure you have a development environment capable of building and running WPF (Windows Presentation Foundation) applications. (Visual Studio or another compatible IDE)
2. **Dependencies**: The Recipe Application uses LiveCharts for visualization. Make sure you have installed the LiveCharts.Wpf NuGet package.

### Steps to Compile and Run

#### 1. Clone the Repository

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#### 2. Open the Solution in Visual Studio

* Launch Visual Studio.
* Go to File > Open > Project/Solution....
* Navigate to the directory where you cloned the repository.
* Select the solution file (WpfApp1.sln) and click **Open**.

#### 3. Restore NuGet Packages

* In Visual Studio, right-click on the solution in the Solution Explorer.
* Select **Restore NuGet Packages** to ensure all necessary packages are downloaded and installed.

#### 4. Set the Startup Project

* In the Solution Explorer, right-click on the project named WpfApp1.
* Select **Set as StartUp Project**.

#### 5. Build the Solution

* Go to Build > Build Solution (or simply press Ctrl + Shift + B) to compile the entire solution.

#### 6. Run the Application

* Ensure the MainWindow.xaml is set as the startup page
* Press F5 or go to Debug > Start Debugging to run the application.
* The main window of the Recipe Application should appear, ready for use.

### Using the Application

* Follow the instructions provided in the [User Manual](#recipe-application-user-manual) for using the various features of the Recipe Application.
* Ensure you interact with the application as intended to add recipes, view recipes, select recipes for menu creation, and generate visualizations.

### Troubleshooting

* **Missing Dependencies**: If you encounter errors related to missing assemblies or NuGet packages, ensure all dependencies are correctly installed and referenced.

### Conclusion

Following these steps should enable you to compile, run, and use the Recipe Application successfully on your development environment.