Palindrome Project

Overview

The Palindrome Project is a C# application designed to check if a given string is a palindrome. This README will guide you through the setup and usage of the project using Visual Studio.

Dependencies

Visual Studio: Ensure you have Visual Studio 2019 or later installed on your machine. You can download it from the [official Visual Studio website](https://visualstudio.microsoft.com/downloads/).

.NET Framework\*\*: This project targets .NET 5.0 or later. Visual Studio will automatically handle the .NET installation if it's not already present.

Setup

1. Clone the Repository

First, clone the repository to your local machine using Git:

bash

git clone https://github.com/yourusername/palindrome-project.git

Replace `your-username` with your actual GitHub username and `palindrome-project` with the actual repository name.

2. Open the Project in Visual Studio

1. Open Visual Studio.

2. Go to `File` > `Open` > `Project/Solution`.

3. Navigate to the cloned repository directory and open the `.sln` (solution) file.

3. Restore NuGet Packages

Visual Studio should automatically restore NuGet packages when you open the solution. If not, you can manually restore them:

1. Go to `Tools` > `NuGet Package Manager` > `Package Manager Console`.

2. In the Package Manager Console, run the following command:

bash

Update-Package -reinstall

4. Build the Project

1. In Visual Studio, go to `Build` > `Build Solution` (or press `Ctrl + Shift + B`).

2. Ensure that the build is successful without any errors.

Usage

1. Running the Application

To run the application:

1. Set the desired startup project by right-clicking on the project in Solution Explorer and selecting `Set as StartUp Project`.

2. Press `F5` or click the `Start` button to run the application in debug mode.

3. The application will start, and you can interact with it via the console or any UI elements provided.

2. Command-Line Usage

If your project is a console application, you can run it from the command line:

1. Open a command prompt or terminal.

2. Navigate to the project's `bin\Debug\net5.0` (or similar) directory:

bash

cd path\to\project\bin\Debug\net5.0

3. Run the executable:

bash

palindrome-project.exe

4. Follow the prompts to enter a string and check if it is a palindrome.

Contributing

1. Fork the repository on GitHub.

2. Create a new branch for your feature or bug fix.

3. Make your changes and commit them.

4. Push the changes to your fork.

5. Open a pull request to merge your changes into the main repository.