# Testing Program

Welcome to the Testing Program repository! This project is designed to demonstrate various functionalities and testing procedures in C#. Follow this guide to quickly set up and run the project locally, as well as to build and configure different modules from scratch.

## Quick Start

### Prerequisites

Before you begin, ensure you have the following installed on your local machine:

- \*\*.NET SDK\*\* (e.g., .NET 6.0 or later) - [Download .NET SDK](https://dotnet.microsoft.com/download)- \*\*IDE\*\* (e.g., Visual Studio, Visual Studio Code) - [Download Visual Studio](https://visualstudio.microsoft.com/) or [Download Visual Studio Code](https://code.visualstudio.com/)- \*\*Package Manager\*\* (e.g., NuGet) - Comes with the .NET SDK

### Clone the Repository

First, clone the repository to your local machine:

```bash

git clone https://github.com/liuhhhf/testing-program.git

cd testing-program

### Restore Dependencies

Restore the necessary NuGet packages using the .NET CLI:

bash

dotnet restore

### Build the Project

Build the project using the .NET CLI:

bash

dotnet build

### Run the Project

To run the project and execute tests, use the following commands:

**Run the Application**:

bash

dotnet run

**Run Tests**:

bash

dotnet test

Adjust the commands based on your specific setup. Refer to docs/usage.md for detailed instructions.

## Building and Configuring Modules

### Overview

The project consists of several modules that you may need to build or configure. Here’s a brief overview of each module:

1. **Module 1**: [Description and purpose]
2. **Module 2**: [Description and purpose]
3. **Module 3**: [Description and purpose]

### Step-by-Step Setup

**Configure Environment Variables**

Create a appsettings.json or .env file in the root directory and add your environment-specific settings. Example configuration can be found in appsettings.example.json.

**Build Modules**

Follow these instructions to build individual modules:

**Module 1**:

bash

cd Module1

dotnet build

**Module 2**:

bash

cd Module2

dotnet build

Refer to docs/modules.md for detailed build instructions for each module.

**Integrate Modules**

After building the modules, integrate them into the main application. Update configuration files in config/ and ensure all modules are correctly linked.

### Running Modules Independently

To test or run a specific module independently:

**Module 1**:

bash

cd Module1

dotnet run

**Module 2**:

bash

cd Module2

dotnet run

## Documentation

For detailed documentation, including configuration and module-specific instructions, visit the following links:

* Setup Instructions
* Module Configuration
* Usage Guide

## Contributing

We welcome contributions to the Testing Program project! If you’d like to contribute, please:

1. Fork the repository.
2. Create a new branch (git checkout -b feature-branch).
3. Make your changes and commit them (git commit -am 'Add new feature').
4. Push to your branch (git push origin feature-branch).
5. Open a pull request with a description of your changes.

Refer to the Contribution Guidelines for more details.

## Issues

If you encounter any issues or have suggestions, please open an issue on the GitHub Issues page. We aim to address them as soon as possible.

## License

This project is licensed under the MIT License. See the LICENSE file for more information.

## Acknowledgments

* [List any libraries, tools, or individuals who have contributed to the project.]

Thank you for checking out the Testing Program repository! We hope this guide helps you quickly set up and understand the project.

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To create the `README.md` file:

1. Open a text editor (e.g., Notepad++, VSCode, or any IDE with file editing capabilities).2. Copy and paste the above content into the editor.3. Save the file as `README.md` in the root directory of your project.

Feel free to adjust any sections to better fit your project’s specific details and setup instructions.

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窗体底端