

Library-Management-System Project

Welcome to **Library-Management-System**, a generic library for managing e-commerce systems. This project is designed for scalability and modularity, making it adaptable for any online store.

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About the Project

Library-Management-System is a comprehensive solution for building and managing e-commerce platforms. With its modular architecture, the system is split into three core libraries, enabling easy customization and maintenance.

Features

- Modular architecture for flexibility.
 - Generic implementation for diverse use cases.
 - Scalable design for small to large applications.
 - Well-documented and easy to integrate.
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Technologies Used

- **C#**: Core programming language.
- **.NET Core**: Framework for building robust web applications.
- **Entity Framework Core**: For seamless database interactions.
- **SQL Server**: Backend database.

Architecture

The project is organized into three libraries for separation of concerns:

1. myshop.DataAccess

Handles all database-related operations, including CRUD operations, database migrations, and data queries.

2. myshop.Entities

Defines the models and entities used throughout the application, ensuring consistency and clarity in the data structure.

3. myshop.Utilities

Contains helper classes and reusable utilities to enhance productivity and streamline common tasks.

Getting Started

Follow these steps to set up and run the project:

Prerequisites

1. Install .NET SDK.
2. Install SQL Server.
3. Clone the repository:

```
bash
Copy code
git clone https://github.com/username/myshop.git
cd myshop
```

Setup and Run

1. Navigate to the **myshop.DataAccess** project and run database migrations:

```
bash
Copy code
dotnet ef database update
```

2. Build the solution:

```
bash
Copy code
dotnet build
```

3. Run the project:

```
bash
Copy code
dotnet run
```

Contributing

We welcome contributions! To contribute:

1. Fork the repository.
2. Create a new branch for your feature:

```
bash
Copy code
git checkout -b feature-name
```

3. Commit your changes:

```
bash
Copy code
git commit -m "Add feature-name"
```

4. Push to your branch:

```
bash
Copy code
git push origin feature-name
```

5. Create a pull request.

License

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