

ECommerce Product Management System : Amnil Mart

BIBASH ACHARYA

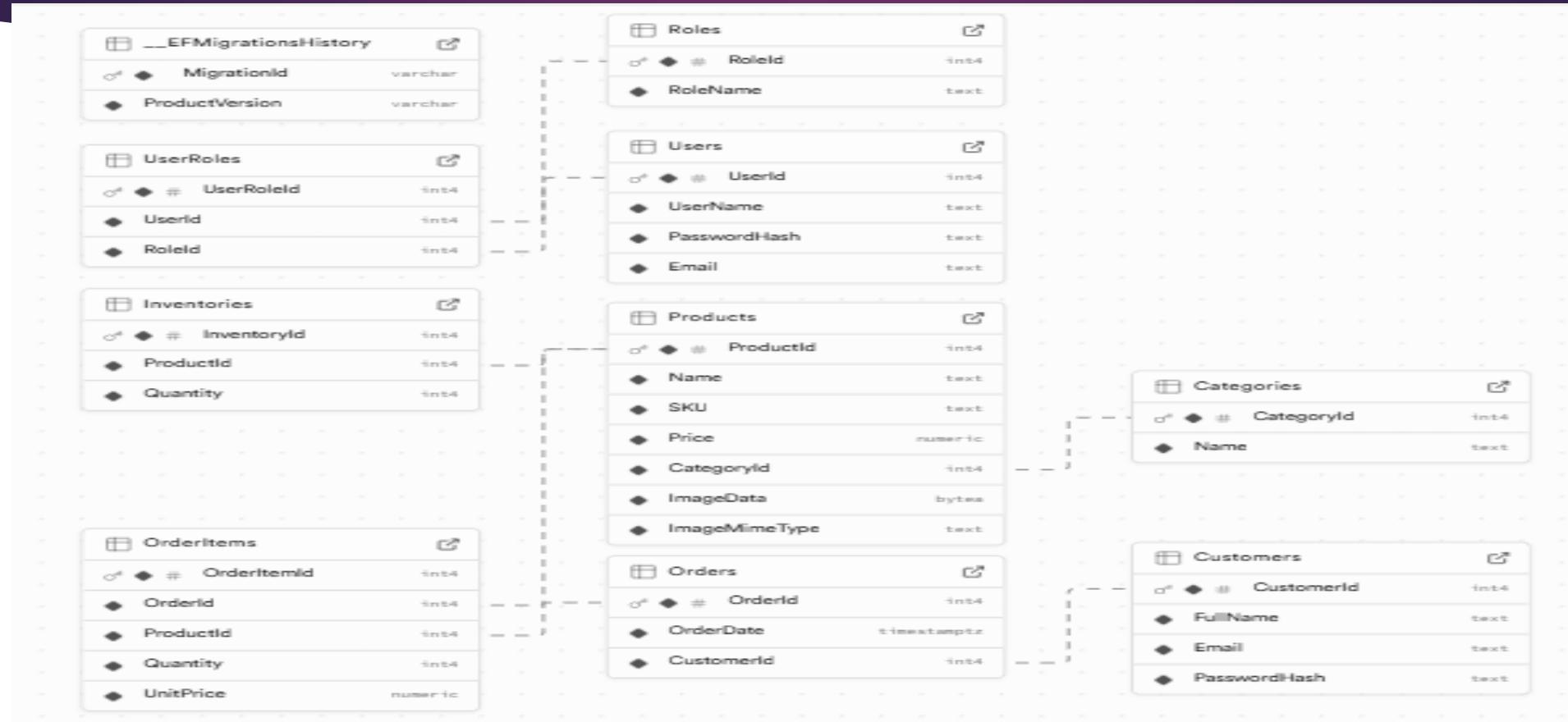
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About the Project: Amnil Mart

- ▶ An ECommerce Product Management System
- ▶ Features : HomePage and Navigation, CRUD Operations, Dynamic Full Stack Content
- ▶ Tech Stack Used: HTML, CSS, JS and Bootstrap for Frontend, ASP.NET and PostGRESQL for Backend
- ▶ **Problem Solved by Application :** In the ever changing world of technology, people prefer online shopping from the comfort of your home.
- ▶ **Technical Approach :** **AmnilMart** provides the solution to this problem

Database ER Diagram



Key Features

- ▶ Home Page and Navigation
- ▶ CRUD Operations and Full Stack Dynamic Content
- ▶ UI makes use of mostly **Red** Color to align with the theme of **Amnil Technology**
- ▶ Looking for my Products my Categories or by looking at product detail through Product Detail Button
- ▶ **Customer Support** available on Website **AboutUs** page along with Email, Contact No and Google Map Location

UI And Styling

- ▶ Bootstrap library used for Styling the User Interface
- ▶ Custom CSS and Vanilla JavaScript also used to customize some styling

API and Documentation

- ▶ Project Uses API Architecture instead of Server Side Rendering
- ▶ API Endpoints tested with POSTMAN and published documentation link available on README.md file

Learnings and Challenges Faced

Learnings

- ▶ Database Design
 - ▶ Relationship between Entities
- ▶ Project Planning and System Architecture Design
- ▶ First Time Use of Object Relational Mapper in my Project

Challenges Faced

- ▶ User Interface Styling
- ▶ Barrier of Time

Limitations

- ▶ Authentication and Authorization
- ▶ Haven't made use of all Entities and Relationships ,for instance, when a product is bought, I haven't implemented the functionality to add the product to Order and OrderItem and decrease the Product Stock from the Inventory table

Future Enhancements

- ▶ Hosting for real world scenario
- ▶ Contents can be made more robust and dynamic by making use of all Database Entities and Relationship
- ▶ Authentication and Authorization can be implemented to make the project work for Real World Scenario

Thank You