Building an e-commerce application using ASP.NET MVC is a great project that can help you and your team gain valuable experience in web development, database management, and teamwork. Here's a suggested division of tasks among your team members, along with an overview of the project and its benefits:

Project Overview:

The e-commerce application will allow users to browse products, add them to a cart, and make purchases. It will include features such as user authentication, product management, order processing, and payment integration. The application will be built using ASP.NET MVC for the backend, HTML/CSS/JavaScript for the frontend, Entity Framework for database interactions, and SQL Server for data storage.

Team Roles and Responsibilities:

Omar Zaky:

Role: Backend Developer

Responsibilities:

Oversee the project timeline and ensure tasks are completed on schedule.

Develop the core backend logic using ASP.NET MVC.

Implement user authentication and authorization.

Manage API integrations (e.g., payment gateways).

Ahmed Amr:

Role: Frontend Developer

Responsibilities:

Design and implement the user interface using HTML, CSS, and JavaScript.

Ensure the application is responsive and user-friendly.

Collaborate with the backend team to integrate frontend and backend components.

Ahmed Hitham:

Role: Database Developer

Responsibilities:

Design and manage the database schema using SQL Server.

Optimize database queries and ensure data integrity.

Work with Entity Framework to create data models and manage database interactions.

Menna Amr:

Role: ERD Design

Responsibilities:

Build the Erd of the Project

Mohamed Elsaad:

Role: Mapping the data base

Responsibilities:

After create the ERD will make the mapping

Project Benefits:

Skill Development: Team members will gain hands-on experience with a wide range of technologies, including ASP.NET MVC, Entity Framework, SQL Server, and frontend development.

Team Collaboration: Working on a complex project will improve your ability to collaborate, communicate, and manage tasks effectively.

Portfolio Enhancement: Completing this project will provide a substantial addition to your portfolios, showcasing your ability to build a fully functional e-commerce application.

Real-World Application: The project simulates a real-world scenario, preparing you for professional software development environments.

Problem-Solving: You'll encounter and solve various challenges, enhancing your problem-solving and critical thinking skills.