

As a fresher, you can work on small to medium-sized projects that align with the most popular uses of ASP.NET. Here are three project ideas tailored for beginners:

## 1. Employee Management System (Enterprise Application)

### Description:

Develop a web-based system for managing employee data, including adding, editing, and deleting employee records.

Include features such as department assignment, leave tracking, and role-based access control.

### Features:

- Admin Dashboard for managing employees.
- Employee login to view their profiles and leave status.
- Role-based access (e.g., admin vs. employee).

### Technologies:

- ASP.NET MVC or ASP.NET Core.
- SQL Server for database.
- Entity Framework for database operations.

### Why?

This project introduces you to CRUD operations, authentication, and MVC architecture, all of which are essential in enterprise development.

## 2. Online Banking System (Finance Sector)

### Description:

Build a basic online banking system where users can create accounts, view balances, and transfer funds between accounts.

Add a simple admin interface to monitor transactions.

### Features:

- User registration and login.
- Account balance management.
- Fund transfer functionality with transaction history.
- Admin panel to monitor user activities.

Technologies:

- ASP.NET Web API for backend.
- SQL Server for secure data storage.
- Bootstrap for responsive UI.

Why?

This project helps you understand security best practices, database relationships, and transaction handling, which are crucial in financial applications.

### 3. Patient Appointment System (Healthcare Sector)

Description:

Create a system that allows patients to book appointments with doctors. Include features for doctor registration and viewing appointment schedules.

Features:

- Patient registration and login.
- Doctor listing with available slots.
- Appointment booking and cancellation.
- Admin interface for doctor management.

Technologies:

- ASP.NET Core Razor Pages.
- SQL Server for appointment scheduling.
- Identity Framework for authentication.

Why?

This project introduces scheduling, user roles, and data validation, which are vital in

healthcare-related applications.

#### Choosing the Right Project:

- Start with the Employee Management System if you're entirely new, as it's simpler.
- Move to the Online Banking System to learn secure coding practices.
- Try the Patient Appointment System if you're interested in the healthcare domain.

Each project will strengthen your ASP.NET skills, from backend development to UI design, while giving you real-world experience.