

Summary of chosen orientation topics

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Class: 08/

Date: 12/6/2025

Introduction

With this document, I would like to highlight the topics I chose for the implementation of this project, providing a support for each learning outcome.

Learning outcomes

Topic	About	Activities	Profession
Cyber security	Authentication, Authorization & Data Protection Ensuring user data is encrypted and access is secure.	<ul style="list-style-type: none"> - Implementing JWT token authentication and 7-day expiration logic . - Hashing passwords using ASP.NET Core Identity - Configuring CORS policies and enforcing HTTPS - Securing API endpoints against unauthorized access Analysis-Document.docx. 	Security Engineer (or Backend Security Specialist)
Software development	Full-Stack Application Building Creating the functional logic, APIs, and database connections.	<ul style="list-style-type: none"> - Developing RESTful APIs with ASP.NET Core 8 - Managing SQL Server database migrations and seeding test data - Writing business logic in C# 	Software Engineer (or Full-Stack Developer)
Data analysis & analytics	Operational Insights & Visualization Monitoring trends in donations, volunteer shifts, and inventory.	<ul style="list-style-type: none"> - Creating data visualizations (charts) using the Recharts library - displaying real-time dashboard metrics for staff and admins 	Data Analyst (or BI Developer)

Topic	About	Activities	Profession
Media design	User Interface (UI) & User Experience (UX) Designing how users interact with the dashboard	<ul style="list-style-type: none"> - Designing responsive React pages using Tailwind CSS - Creating user-friendly forms with validation and error handling - Creating logo & poster . 	Frontend Developer (or UI/UX Designer)