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DDoS Attack Website | February 2024

Developed a website for exploring and understanding DDoS attacks in a controlled and educational environment.

Key Contributions:
- User Authentication: Enabled secure registration, login, and profile management.
- Profile Management: Implemented functions for updating user profiles, including bios and profile pictures.
- DDoS Attack Simulation: Created a simulation environment for testing various DDoS attack scenarios using threading for multiple HTTP requests.
- Real-time Communication: Integrated WebSocket for real-time messaging using Django Channels.
- Database Integration: Utilized MongoDB for flexible data storage.

Tools & Technologies:
- Backend: Django, Python
- Database: MongoDB
- WebSocket: Django Channels
- Front-end: HTML, CSS, JavaScript

Git hub link: https://github.com/KristinaRiabova/ddos_attack_app-chat

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Polymorphic E-Commerce System | November 2023

Developed a console-based e-commerce system.

Key Contributions:
- Product Base Class: Implemented a polymorphic e-commerce system by defining a common base class.
- Derived Classes: Created classes (Electronics, Books, Clothing) with type-specific implementations.
- Polymorphism in Collections: Managed a collection of product types through a common interface.
- Order and Cart Management: Adapted management systems to work with polymorphic product objects.
- Enhanced Reporting: Generated product-specific reports using polymorphism.
- Dynamic Casting: Employed dynamic_cast for accessing class-specific information.

Technology:
- C++

Git hub link: https://github.com/KristinaRiabova/E_Commerce_system

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Tourism Website | October 2023

Developed a dynamic tourism website showcasing destinations worldwide.

Key Contributions:
- Destination Exploration: Implemented interactive features allowing users to explore various destinations.
- User Engagement: Designed user-friendly interfaces for seamless navigation and engagement with travel content.
- Rich Content: Curated engaging text and captivating images for each destination, enticing users to explore further.
- Technological Integration: Leveraged modern web technologies such as HTML, CSS, JavaScript, and libraries like Swiper for enhanced user experiences.

Technologies:
- Front-end: HTML, CSS, JavaScript
- Libraries: Swiper

Git hub link: https://github.com/KristinaRiabova/Just_Fares

Skills:

Programming Languages

JavaScript/Python/C++

Technologies

CSS
HTML
Figma
Git

Languages:

English

Upper-Intermediate

Ukrainian

Fluent

Education:

Kyiv School of Economics

Bachelor in software engineering and business analysis.
2022-2026

Github:

Link

https://github.com/KristinaRiabova