**MyFashionShop - Project Plan**

**1. Project Overview**

**MyFashionShop** is an affiliate marketing website built using **ASP.NET MVC** (or **Blazor**) that integrates with an API to manage and display fashion-related products. The website will feature showcasing products from multiple affiliate sources, complete with images, descriptions, and affiliate links for purchases.

**Key Features:**

* **Product Listing Page**: Display products dynamically fetched from a database or API.
* **Affiliate Link Integration**: Each product links to its respective affiliate purchase page.
* **Search & Filtering**: Users can search for products by category, brand, or price range.
* **API Integration**: Custom API to manage products and retrieve affiliate data.
* **User Authentication (Optional)**: Login/register for personalized recommendations (stretch goal).

**2. Technical Insight**

**Technologies & Tools**

* **Frontend:** ASP.NET **MVC** or **Blazor** for dynamic UI rendering.
* **Backend:** ASP.NET Core with C# to handle business logic and database operations.
* **Database:** SQL Server or SQLite to store product details and affiliate links.
* **API:** RESTful Web API in ASP.NET Core to fetch and manage product data.
* **UI Framework:** Bootstrap/Tailwind CSS for responsive design.
* **Version Control:** GitHub for code management and project submission.

**Implementation Plan**

1. **Project Setup:** Configure ASP.NET project, database schema, and API structure.
2. **Database & API Development:** Create tables for storing product data and implement API endpoints for CRUD operations.
3. **Frontend Development:** Build UI components for product listing, filtering, and navigation.
4. **Affiliate Link Integration:** Ensure each product displays an affiliate link correctly.
5. **Testing & Debugging:** Conduct unit tests and integration tests to validate functionality.