**Project Brief**

**Client Overview**

MKTIME is a prestigious retailer based in Scotland, specialising in the sale of high-quality Swiss watches. With a reputation for excellence and a commitment to providing customers with a curated selection of luxury timepieces, MKTIME aims to expand its reach through the development of a sophisticated eCommerce web application.

**Project Objectives:**

1. **Online Presence:** Establish a robust online presence for MKTIME to reach a global audience and increase sales.
2. **User-Friendly Interface**: Create an intuitive and user-friendly interface that enhances the shopping experience, allowing customers to easily browse, search, and purchase products.
3. **Product Showcase:** Showcase MKTIME's collection of Swiss watches through visually appealing and detailed product pages, highlighting key features, specifications, and pricing.
4. **Responsive Design:** Develop a responsive design that ensures seamless functionality across various devices, including desktops, tablets, and smartphones.

**Project Overview:**

In a small team of 3 or 4; create a small-scale eCommerce web application that leverages a robust database to manage product listings, user account, and order processing. The application aims to provide a seamless and secure shopping experience for users while ensuring efficient data management and scalability.

**Key Features**

1. **User Authentication and Account Management:**

* User registration and login functionality.
* Secure password handling and storage.
* User profile management, including order history.

1. **Product Catalogue:**

* Database-driven product management.
* Each product should have details such as name, description and price.

1. **Shopping Cart:**

* Users can add/remove items to/from their shopping cart.
* Ability to modify quantities and proceed to checkout.

1. **Database Architecture:**

* Choose an appropriate relational database system (e.g., MySQL) for data storage.
* Define clear relationships between entities (users, products, orders, order content).

**Nouns:**

Retailer

Watches

Customers

Timepieces

Sales

Purchase

Registration

Password

Category

Orders

**Entities:**

Product entity

product\_id (PK)

name

description

price

image

category

User entity

user\_id (PK)

fullrname

email

password

registration\_date

address

phone\_number

Order entity

order\_id (PK)

user\_id (FK)

product\_id (FK)

quantity

payment\_type

order\_date