**Harun Metehan Eravcı**

**20202305018**

**Project Report for MEOT**

**Project Overview:** MEOT is a startup designed to streamline the order and production process for B2B customers. The platform includes a registration area where users can sign up, and a feature that allows customers to select products and input the desired quantities. Upon selection, the system calculates the production time in business days required to fulfill the order.

**Project Components:**

1. **User Registration (user\_registration.php):**
   * Allows new users to sign up for an account.
   * Collects user information such as name, email, and password.
   * Ensures secure storage of user data through encryption and database integration.
2. **Database Creation (create\_database.sql and database4sıgn.sql):**
   * Scripts to create the necessary database and tables for the application.
   * Includes tables for storing user information and product details.
   * Ensures proper indexing and relationships between tables for efficient data retrieval.
3. **Database Connection (db\_connection.php):**
   * Establishes a connection to the MySQL database.
   * Provides a reusable connection interface for other scripts to interact with the database securely.
4. **Product Insertion (insert\_product.php):**
   * Allows admins to add new products to the database.
   * Captures product details such as name, description, and quantity.
   * Updates the database with new product entries, making them available for customer selection.
5. **Product Listing (list\_products.php):**
   * Displays a list of available products to the customers.
   * Provides an interface for customers to select products and input desired quantities.
   * Ensures that the product list is up-to-date with the latest entries from the database.
6. **Production Time Calculation (calculate\_time.php):**
   * Calculates the production time required based on the selected products and quantities.
   * Considers business days to provide an accurate estimate.
   * Outputs the estimated production time to the customer, aiding in planning and decision-making.
7. **User Login (login.php):**
   * Authenticates users attempting to access the platform.
   * Validates user credentials against the database.
   * Provides secure access to registered users, enabling them to manage orders and view product details.
8. **User Signup for Database (signup4db.php):**
   * Handles the backend logic for user registration.
   * Inserts new user information into the database upon successful registration.
   * Ensures data integrity and security during the registration process.

**Key Features:**

* **Secure User Authentication:** Ensures that only authorized users can access the platform and perform actions.
* **Efficient Database Management:** Utilizes MySQL for reliable and efficient data storage and retrieval.
* **User-Friendly Interface:** Provides a simple and intuitive interface for users to interact with the platform.
* **Real-Time Production Estimates:** Calculates and displays production time in real-time, helping customers make informed decisions.
* **Scalable Architecture:** Designed to handle an increasing number of users and products without compromising performance.

**Conclusion:** The MEOT startup project successfully integrates user registration, product management, and production time calculation into a cohesive system. This platform enhances the B2B customer experience by providing a streamlined process for selecting products and receiving accurate production time estimates. With secure user authentication and efficient database management, MEOT is poised to support growing business needs effectively.