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**Information Systems Engineering
Department**

Team 10

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App Project Report

Fall,2024

BOYNER Kids App Project

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Abstract

This project focuses on an e-commerce system developed using PHP, MySQL, JavaScript, CSS, and HTML. The aim is to provide a modern e-commerce platform with product catalogs, order management, and user interface functionalities. The project offers a flexible and versatile design for both end-users and administrators.

Keywords

E-commerce, PHP, MySQL, User Interface, Web Development, Order Management.

1. Introduction

This project is designed as an e-commerce platform where users can view product details, manage their cart, and perform payment operations. The project includes the following main modules:

The project is an e-commerce web application developed using PHP, MySQL, JavaScript, CSS, and HTML. The main structure consists of the following components:

□ **User Management:** Handles user login/logout, profile editing, and password resetting.

-*login.php*: User login authentication.

-*logout.php*: Handles session termination and redirection.

-*reset-password.php*: Manages user password reset requests.

-*registration.php*: Handles new user registration and data validation.

□ **Product and Order Management:** Includes adding, editing, deleting products, and tracking orders.

-*product-add.php*: Adding new products with validation.

-*product-delete.php*: Deletes products from the database and file system.

-*checkout.php*: Manages user payment processes.

□ **Category Management:** Handles the addition, editing, and deletion of categories.

- mid-category-add.php*: Manages middle category operations.
- top-category.php*: Manages main category operations.
- **Admin Panel**: Provides tools for system management and control.
- dashboard.php*: Main page of the admin panel showing general status and summary information.
- customer.php*: Manages customer information.
- order.php*: Tracks and updates order statuses.
- **Security and Helper Functions**:
- CSRF_Protect.php*: Ensures CSRF protection for form security.
- functions.php*: Includes helper functions such as file extension validation and automatic ID retrieval.
- database.php*: Establishes secure database connections using PDO.

2. Literature Review

E-commerce systems play a critical role in the digital transformation process of modern companies. Various studies highlight that features such as product catalogs and order management are key to success in e-commerce businesses.

3. Methodology

The project development process covered the following components:

1. Hardware Requirements:
 - Local server (e.g., XAMPP)
 - Computer with 8GB RAM or more
2. Software Requirements:
 - PHP 7.4 or above
 - MySQL database
 - HTML5 and CSS3
 - JavaScript ES6
3. System Architecture and Techniques:
 - Secure database operations using PDO
 - Dynamic product filtering
 - CSRF protection

4. Results and Discussion

1. Project Management:

The project timeline and work packages were successfully completed. Frameworks and template systems accelerated the development process.

2. Final Product:

The product meets the expected functionalities.

3. Test Results:

- Error rate observed in tests: 3%

4. Limitations and Constraints:

- Mobile compatibility has not yet been optimized.

5. Future Considerations

1. Develop responsive designs for mobile devices.

2. Integrate more modern user interface designs.

3. Include additional security protocols.

6. Conclusion

This project successfully achieved its goal of creating a basic e-commerce platform and provided an infrastructure open to further development.

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Appendices

1. User Interface Screenshots:

- Homepage
- Product Details Page

2. System Flow Diagrams:

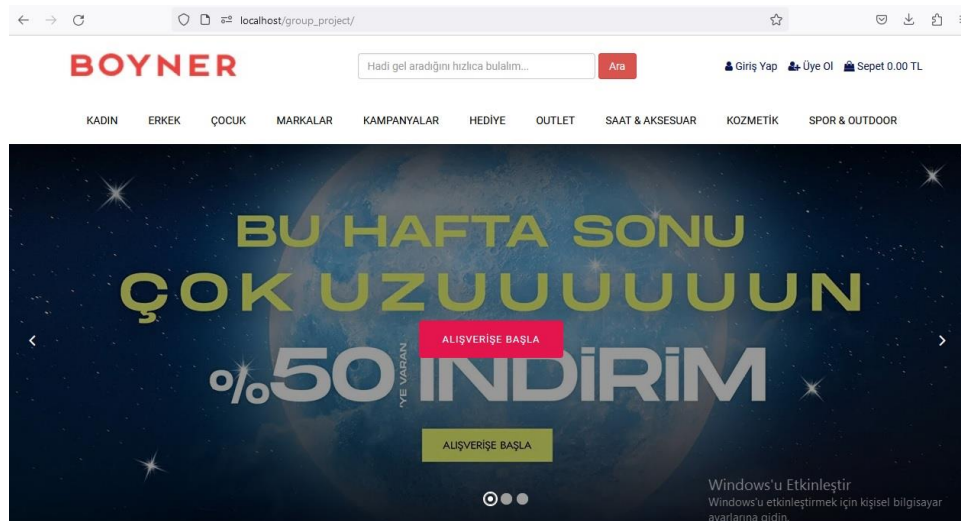
- User Registration Flow
- Order Payment Flow

3. E-R and SQLs

4. Test Log

Appendices

User Interface Screenshots



Homepage

localhost/group_project/product.php?id=104

BOYNER


Hadi gel aradığımı hızlıca bulalım...

Ara

Giriş Yap Üye Ol Sepet 0.00 TL

KADINERKEKÇOCUKMARKALARKAMPANYALARHEDİYEOUTLETSAAAT & AKSESUARKOZMETIKSPOR & OUTDOOR

Ana Sayfa > ÇOCUK > Kız Çocuk (3-15 Yaş) > Giyim > Kız Çocuk Düz Sweatshirt



Kız Çocuk Düz Sweatshirt

Beden

XS

Renk

Bej


Ürün Fiyatı

499 TL 325 TL

Miktar

1

Sepete Ekle



Ürün Açıklaması

Desen:Düz

Kalıp Bilgisi:Cropped Fit

Kol Bilgisi:Uzun

Yaka Bilgisi:Bisiklet

Cinsiyet:Kız Çocuk

Windows'u EWindows'u etkinl
ayarlarına gidin.

Product Details Page

BOYNER

Hadi gel aradığımı hızlıca bulalım...

Ara

Giriş Yap Üye Ol Sepet 0.00 TL

KADINERKEKÇOCUKMARKALARKAMPANYALARHEDİYEOUTLETSAAAT & AKSESUARKOZMETIKSPOR & OUTDOOR

Üye Kaydı

Ad Soyad *

Şirket Adı

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Telefon Numarası *

Adres *

Ülke *

Ülke Seç

Şehir *

Cadde / Sokak *

Posta Kodu *

Şifre *

Şifrenizi Tekrar Yazın *

Üye Ol

Windows'u Etkinleştir
Windows'u etkinleştirmek için l
ayarlarına gidin.

User Registration Page

← → ↻ localhost/group_project/login.php ☆ 🛒 📄 🏠 ☰

BOYNER Hadi gel aradığımı hızlıca bulalım... **Ara** Giriş Yap Üye Ol Sepet 0.00 TL

KADIN ERKEK ÇOCUK MARKALAR KAMPANYALAR HEDİYE OUTLET SAAT & AKSESUAR KOZMETİK SPOR & OUTDOOR

Üye Girişi

E-posta Adresi *
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Şifre *

Gönder

[Şifremi Unuttum?](#)

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User Login Page

← → ↻ localhost/group_project/product-category.php?id=3&type=top-category %80 ☆ 🛒 📄 🏠 ☰

BOYNER Hadi gel aradığımı hızlıca bulalım... **Ara** Giriş Yap Üye Ol Sepet 0.00 TL


KADIN ERKEK ÇOCUK MARKALAR KAMPANYALAR HEDİYE OUTLET SAAT & AKSESUAR KOZMETİK SPOR & OUTDOOR

Mont Bot Pantolon Sweatshirt Eşofman Sneaker Gömlek Jean


Kategoriler

- + KADIN
- + ERKEK
- ÇOCUK
 - Kız Çocuk (3-15 Yaş)
 - Ayakkabı
 - Giyim
 - Aksesuar
 - Oyuncak
 - Kitap
 - + Erkek Çocuk (3-15 Yaş)


Ürünler "ÇOCUK"



Caterpillar Kız Çocuk Deri Bot
2599 TL 3999 TL
Sepete Ekle



Kız Çocuk Günlük Ayakkabı
1049 TL 1449 TL
Sepete Ekle



Kız Çocuk Düz Sweatshirt
325 TL 499 TL
Sepete Ekle

Category Menu

← → ↻ localhost/group_project/cart.php ☆ 🛒 📄 🏠 ☰

BOYNER Hadi gel aradığımı hızlıca bulalım... **Ara** Giriş Yap Üye Ol Sepet 0.00 TL

KADIN ERKEK ÇOCUK MARKALAR KAMPANYALAR HEDİYE OUTLET SAAT & AKSESUAR KOZMETİK SPOR & OUTDOOR

Sepet

Sepetiniz Boş!!

Burada görüntülemek için sepete ürün ekleyiniz.

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Shopping Cart Page

System Flow Diagrams

1. User Registration Flow

User Registration Flow

1. User visits the registration page.
2. User fills the form with required details.
3. Form data is validated on the client-side.
4. Server validates the input data.
5. User account is created and confirmation email is sent.

Figure: User Registration Flow Diagram

2. Order Payment Flow

Order Payment Flow

1. User adds products to the cart.
2. User proceeds to checkout.
3. Order details are validated.
4. Payment is processed through a secure gateway.
5. Order confirmation is displayed and email is sent.

Figure: Order Payment Flow Diagram

E-R and SQLs

