



HOME FITNESS

Project Proposal



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SLIIT

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ASSIGNMENT TOP SHEET

Higher National Diploma in Information Technology
Sri Lanka Institute of Information Technology

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Module Title: Web Application Development	Module Code:
Lecturer in charge: Dr. Gayana Fernando	
Assignment Title: Project Proposal	
Due Date: 21/08/2022	Date Submitted: 20/08/2022
Please Tick here if you have used a proof-reader for this assessment:	
Turnitin Paper ID*	

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Declaration	
I declare that work presented in the assignment submitted to the Sri Lanka Institute of Information Technology is a record of an original work done by myself. This assessment is submitted in the partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Information Technology. The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.	
Name(s) and Signature(s): 	Date: 20/08/2022

Extension Deadline

Lecturer in charge agrees that the assignment may be submitted days after the deadline and should be marked without penalty.

Lecturer in charge confirmation:



1. Introduction and Description of the Project

Home Fitness is a start-up online sales platform that has been formed to sell gym equipment, especially for fitness enthusiasts in Sri Lanka. Equipment is directly imported from the USA since we are committed to providing branded items to the customers. Also, we are so excited to announce that the online purchases will reach safely our customers with ensured delivery services. Home Fitness is already blessed with the exclusive license in sales agents which makes us more responsible in looking for a user-friendly platform in the purchasing process.

1.1. Problem Specification

Currently, in Sri Lanka, it is hard to find dynamic and responsible gym equipment providers regardless of the increasing popularity of fitness among the young generation. Even if they find quality products still, they face difficulties in the delivery procedure. In this situation, Home Fitness is more focused on giving an authentic and genuine service with the advantages of developing technologies. Therefore, by creating a website based on our services and products we plan to market our products on an online platform where purchases are more convenient and transparent to the customers. Customers are only required to create their own accounts with their personal details. Hence the online platform should be responsible for emailing a detailed payment receipt to the customer as soon as the payment is done.



1.2. Solution Outline

1. Creating an artistic website

- Easily and user-friendly creation of product descriptions.
- Choosing to provide several photos for each product.
- Display product details in a short and understandable way.
- Opting to add product specifications.
- Having a filter option in price and delivery method.

2. Including a Shopping Basket

- including a basket option would allow customers to add their purchases
- Allowing customers to add or delete items from their basket.
- Including a secure checkout option for customers.

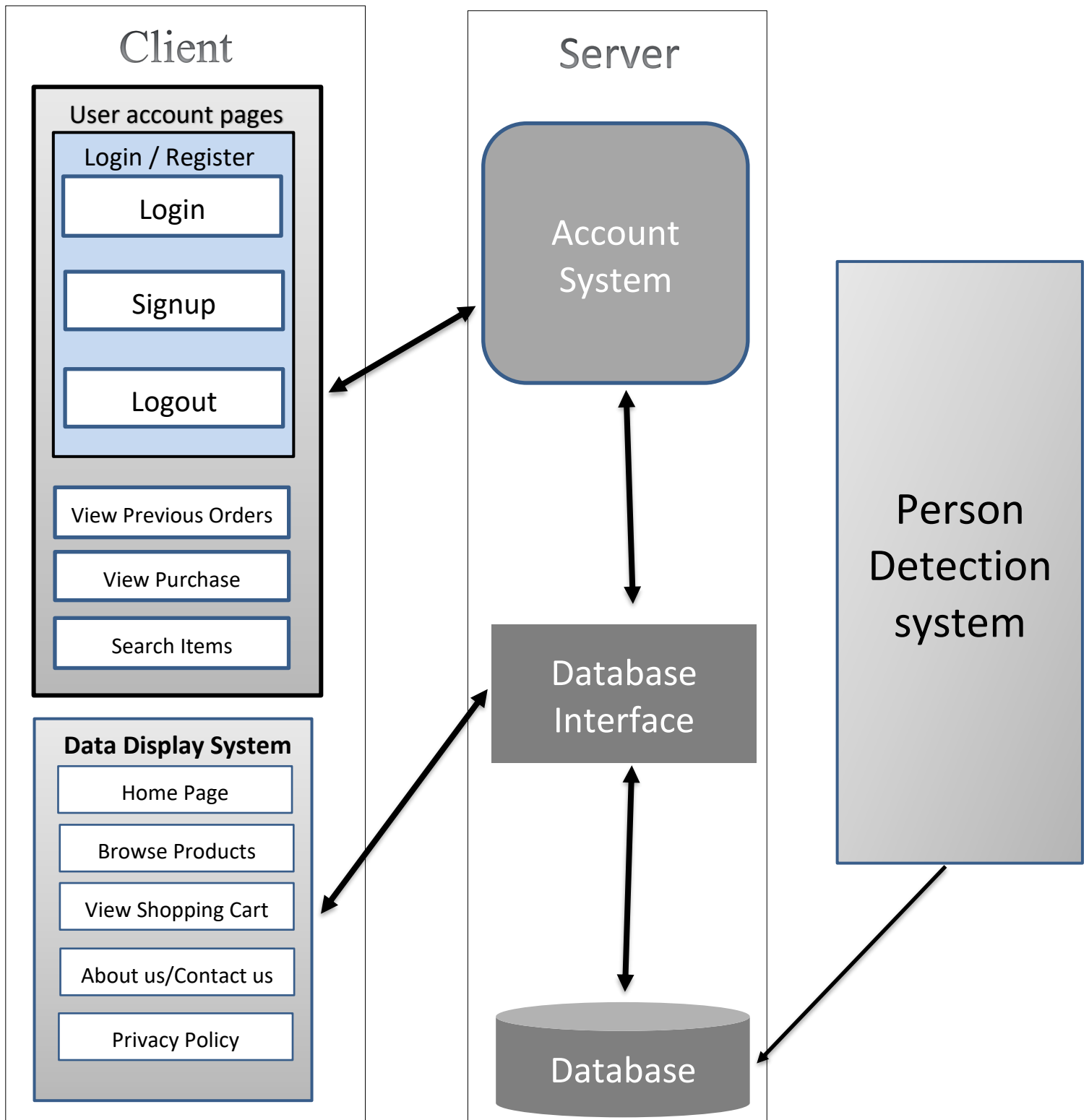
3. The conformation and payment gateway

- Including a payment processor.
- Making an email alert for purchases that includes the total and the products.
- Establishing a text message verification mechanism for customers to validate their purchases.
- Designing a system that adds the order's transaction number when the purchase is complete.

4. Delivery and Alerts

- Developing an SMS and email alert.
- Giving the customer the option to track their order using their order number.
- Choosing to send the client an automatic message after the delivery is complete.

- **High-level architecture diagram**





1.3. Key benefits

Home Fitness will ensure to provide the customers' expectations with the best and most popular gym equipment around the world with an attractive website with multiple select options. They will go through an essay and transparent payment procedure. Also, the review on the products and comment option to improve our services frequently. To become a reputed and recognized trustworthy online platform for our customers in the local market will be our priority.

❖ Web Developer

- User Management - Administrators / Users / Customer
- Product Management
- Order Management
- FAQ Management

❖ Visitors

- Browse product description
- View web site
- Create new account

❖ Registered User

- View his / her Account / Profile
- View purchase history
- View Order Tracking
- View Shopping Cart
- Sign out



2. Details of System Functions

Name: Home Page

Description: accessing the website's subpages, such as those for user login or registration, contact and about, add and view cart, product/service display, and product detail pages, as well as the terms and conditions page. Additionally, it contains a search bar where users may type in the name of the item, they're looking for to find it.

Name: Product /Service Display

Description: Displays the menu, product image, detailed descriptions, price, and quantity.

Name: Product detail Page

Description: Our marketing strategy is fundamentally based on the product detail page because it is the page that results in a sale. Therefore, the product detail page comprises the following information: the product title, product photos, and product descriptions; color; the number of orders; the price; any discounts; shipping information; and ratings and customer reviews.

Name: Add and View Cart

Description: To buy many things at once, customers can use the add-to-cart option to add the products to their shopping cart. Additionally, only registered customers are able to add items to their carts and view them.

Name: User Login

Description: All users who have registered for an account on our website can sign in with their email and password. Therefore, if a customer forgets their password, they can still access their account by selecting the "Forgot password" option.

Name: Registration

Description: Customers who don't already have an account can establish one by entering the necessary information, including their name, email address, and password. In order for the customer to continue with what has to be done while shopping with us.

Name: Contact Us / About Us

Description: This page consists of more details about HOME FITNESS such as head office address, contact number, and email address.

Name: Privacy Policy / Terms & Conditions

Description: To use our website, make purchases, and do other actions, all consumers must accept our terms and conditions. Our website's privacy statement outlines how we handle, store, distribute, and protect the personal information of our customers.