SRI LANKA INSTITUTES OF ADVANCED TECHNOLOGICAL EDUCATION

Higher National Diploma in Information Technology

HNDIT 2404

Project (Individual)

Supervisor : Mrs.Nayomi Gamlath

SPORT ITEMS ORDERING APP FOR "MY – SPORTS" SHOP

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CONTENTS

1. Title

Sport Items Ordering System, Android App for My – Sports Shop

2. Introduction

Sports Item Ordering Android App is a project that aims to create a mobile application for users to order sports equipment and apparel from a variety of sports brands. The app will be designed for Android devices and will have a user-friendly interface to make it easy for users to browse and select the items they want to purchase.

With this app, users can create an account, browse different categories of sports products, select the items they want to purchase, add them to the cart, and checkout using various payment options. The app will also have features like order tracking, customer support, and notifications for order updates.

The Sports Item Ordering Android App will be a convenient platform for sports enthusiasts to purchase the equipment and apparel they need for their favorite sports. The app will be developed with a focus on security, reliability, and ease of use, making it a reliable and trusted source for sports items.

3. Background and Motivation

Background

The Sports Item Ordering Android App project is being developed to meet the growing demand for convenient and accessible ways to purchase sports equipment and apparel. With the rise of e-commerce, many people prefer to shop online rather than visiting physical stores. The project aims to provide a platform for sports enthusiasts to easily browse and purchase sports items from a variety of brands.

The idea for the Sports Item Ordering Android App project was born out of the realization that there is a lack of dedicated sports item ordering apps in the market. While there are several e-commerce platforms that sell sports items, they often have a large number of categories and products, making it difficult for users to find what they are looking for. Additionally, these platforms may not have specialized knowledge of sports equipment, which can lead to confusion for users.

The Sports Item Ordering Android App project seeks to address these issues by providing a user-friendly interface specifically designed for sports items. The app will also offer features like order tracking, customer support, and notifications to ensure a smooth and hassle-free shopping experience.

Motivation

The motivation behind the Sports Item Ordering Android App project is to provide a convenient and accessible platform for sports enthusiasts to purchase sports equipment and apparel. Many people enjoy participating in sports, and having the right equipment and apparel is crucial for performance and safety. However, shopping for sports items can often be a tedious and time-consuming process.

The Sports Item Ordering Android App seeks to solve this problem by providing a one-stop-shop for sports items. With the app, users can easily browse and purchase items from a variety of sports brands, without having to navigate through a multitude of categories or deal with confusing product descriptions.

Additionally, the Sports Item Ordering Android App project aims to provide a platform for small and medium-sized sports brands to showcase and sell their products. Many sports enthusiasts prefer to purchase from specialized brands, but these brands may not have the resources to create and maintain their own e-commerce platforms. The app provides an opportunity for these brands to reach a wider audience and increase their sales.

4. Aims and Objectives

4.1. Aims

The main aim of the Sports Item Ordering Android App project is to create a user-friendly mobile application that allows sports enthusiasts to easily browse and purchase sports equipment and apparel. Some of the specific aims of the project include,

Providing a platform for users to create an account and access a wide variety of sports items from different brands. Developing an intuitive interface that allows users to browse different categories of sports items quickly and easily. Offering a streamlined checkout process that includes various payment options and order tracking.

Providing customer support through the app to ensure a smooth shopping experience. Developing a notification system to keep users updated on their orders and any promotions or deals. Creating a reliable and secure platform for users to purchase sports items from trusted brands. By achieving these aims, the Sports Item Ordering Android App project will provide a valuable resource for sports enthusiasts who are looking for a convenient and accessible way to purchase the equipment and apparel they need.

4.2. Objectives

- Developing an app that is compatible with a range of Android devices.
- Creating a user-friendly interface that is easy to navigate and use.
- Integrating a database of sports items from various brands that can be updated easily.
- Developing a secure payment gateway to facilitate online transactions.
- Implementing a notification system to keep users updated on their orders and any promotions or deals.
- Incorporating a customer support feature to address any issues or concerns that users may have.
- Ensuring that the app is reliable, efficient, and fast.

5. Problem in Brief

The Sports Item Ordering Android App project aims to address the problem of the lack of a dedicated platform for sports enthusiasts to purchase sports equipment and apparel easily. Currently, users may have to navigate through several categories or deal with confusing product descriptions while searching for sports items on generic e-commerce platforms. This can be a tedious and time-consuming process, leading to frustration for users. Additionally, smaller sports brands may not have the resources to create and maintain their own e-commerce platforms, which limits their reach to potential customers.

The Sports Item Ordering Android App project aims to solve these problems by providing a user-friendly mobile application that allows sports enthusiasts to browse and purchase sports items easily. The app will provide a wide range of sports items from various brands, with an intuitive interface and streamlined checkout process. By providing a platform for smaller sports brands to showcase and sell their products, the app also aims to promote diversity and choice in the sports equipment market. Overall, the Sports Item Ordering Android App project will provide a valuable resource for sports enthusiasts who are looking for a convenient and accessible way to purchase the equipment and apparel they need.

6. Proposed solutions.

- The equipment related to sport can be managed in a well-organized manner.
- The details of the sports clothes that are present in the sports shop can be managed in a well-organized manner.
- Adding items to cart.
- Payment gateway will be use.
- The stocks that are present in the sports shop can be accessed with ease.

7. Resource Requirement

7.1. <u>Software Requirements</u>

- Java
- Java Script
- SQL-Server
- My-SQL
- PHP

7.2. <u>Software</u>

- Android Studio
- Adobe Photoshop

7.3. <u>Hardware requirement</u>

- Processor – AMD or Intel up to Dual core generation
- RAM – Up to 4 GB
- HDD capacity – Minimum 250 GB

8. Gantt Chart

No	Description / Weeks	01	02	03	04	05	06	07	08	09	10	11	12	13
1	**Problem Definition**	■	■											
1.1	Define Requirments	■												
1.2	Develop the Project Proposal		■											
2	**Planing**			■										
2.1	Develop scope statement			■										
2.2	Develop and Refine Other Plan			■										
3	**Design**				■	■	■							
3.1	User Interface Design				■	■	■							
4	**Development**							■	■	■	■			
4.1	App Develop							■	■	■	■			
5	**Implementation**									■	■	■	■	
6	**Testing**												■	
7	**Documentation**													■

9. Details of the client

Client Name : "**My Sport"** Shop

Address :   Puttalam Road,Nikaweratiya.

Contact Details : 037-2060543 / 070-3198052

E-mail : nkmsshop@gmail.com

References

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