

InclusiShop Management System (ISMS)

Project Objective and Scope

ISMS is a pioneering initiative, aiming to establish a groundbreaking B2C store exclusively designed for individuals with **disabilities**, with focus on supporting **Para-athletes**. Its mission is to address crucial market gaps by providing a uniquely user-friendly platform offering **sports-related products and for daily living**. This platform actively fosters **accessibility**, embodying the essence of the Paralympic movement.

In terms of scope, ISMS sets itself apart by envisioning and implementing a robust database management system. This system seamlessly manages key business aspects, including product, customer, order, and inventory management. Noteworthy is its integration of specialized features catering to Para-athletes, promoting inclusivity, and encouraging active participation in adaptive sports. It will also serve for all kinds of prosthetics needed for daily-use by the people.

Acknowledging the limitations of traditional databases for individuals with diverse abilities, ISMS is committed to innovation. The project places a strong focus on developing a database management system that transcends conventional norms, aspiring to be **inherently friendly** and **accessible** to users with disabilities. This commitment resonates with ISMS's overarching goal: to create a groundbreaking platform that not only meets market needs but also champions inclusivity, accessibility, and empowerment for individuals of all abilities.

Users and Stakeholders

☐ Customers

Everyone, including Para-athletes, those with disabilities, and individuals without disabilities, utilizing the platform for browsing, selecting, and purchasing a variety of products, from sports-related items to daily living aids.

☐ Suppliers

Businesses or individuals serving as suppliers on the platform. Their role involves actively managing product listings, updating inventory, and fulfilling customer orders.

☐ **Delivery agents**

Individuals or teams responsible for the timely and secure delivery of products purchased on the platform. Their role involves picking up orders from suppliers, navigating the delivery process, and ensuring items reach customers in a satisfactory condition. Delivery agents are integral to the customer experience, contributing to the efficiency and reliability of the ISMS delivery system.

☐ **Admins**

Engaged professionals overseeing operations, managing sales, inventory, and ensuring the smooth functioning of the online store. Additionally, involved in maintaining, optimizing the database, designing, developing, and maintaining the ISMS platform, and contributing expertise in accessibility for an inclusive user interface design and features.

☐ **NGOs (Non-Governmental Organizations)**

NGOs are key stakeholders in the ISMS project, actively contributing to its mission of promoting accessibility and inclusivity for individuals with disabilities. They collaborate with ISMS by providing expertise and support in areas such as adaptive sports and accessibility advocacy. Through partnerships, NGOs amplify awareness, promote shared objectives, and participate in initiatives that align with their mission, enhancing the overall impact of ISMS within the broader context of disability support and advocacy.

Tech Stacks

- **Backend:**

Database Management System (DBMS): SQL (e.g., MySQL, PostgreSQL)
Server Framework: Node.js (Express.js for RESTful APIs)

- **Frontend:**

Languages: HTML, CSS, JavaScript Framework: React.js

Functional Requirements

☐ **Customer**

- Manage Wallet: Add funds for quick transactions.
- Explore Products: Browse, search, sort, and filter products.
- Cart Management: Add/remove items in the shopping cart.
- Order Handling: Place orders, authenticate transactions, and view order history.

☐ **Admin**

- Category and Product Management: Add/delete categories, manage products.
- Discounts and Deals: Add/modify discounts, create combos.
- Transaction Oversight: View transaction history.
- User Administration: Appoint other admins.

☐ **Supplier**

- Product Visibility: View products currently on sale.
- Add/discontinue products, adjust prices and quantities.
- Sales Insights: View sales statistics.

☐ **Delivery Agent**

- Order Completion: Confirm delivery completion.
- Order Details: View delivery address, ETA, and reviews.
- Status Update: Choose current activity status.

Prompts used for better formatting and explanation on gpt:

I want you to write the business requirements for the dbms project on a online B2C store for various sports equipment and other items and stuff needed for disabled people .why is this idea important what are the objectives and scope following is an example: Covid Vaccine Management System project example – business requirement The Gol plans to build a DB for managing the information about procurement, distribution of vaccines and booking of appointments in hospitals.(The example business proposal provided in the slides.

Note:

The business proposal and requirements have been thoughtfully planned. However, adjustments may be made as the project progresses, ensuring flexibility and adaptability for successful implementation.

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