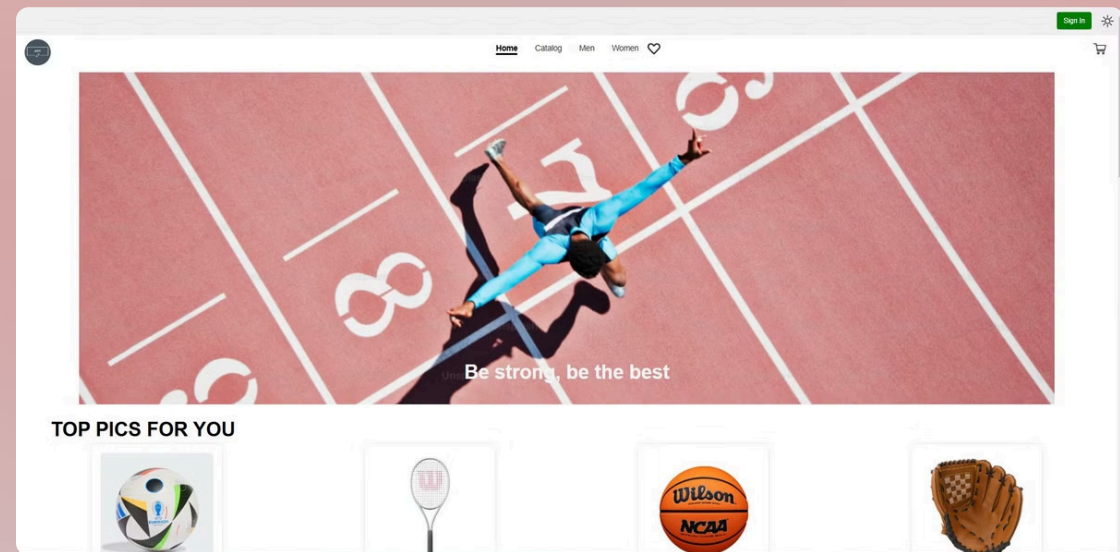


Title: Sports Goods Store

by Aldibayeva Akku, Ayauzhan Asan, Daniyar Kurmanbayev.



Main Goal & Key Objectives

1 Goal

Create a user-friendly online store for sports goods.

2 Easy Navigation

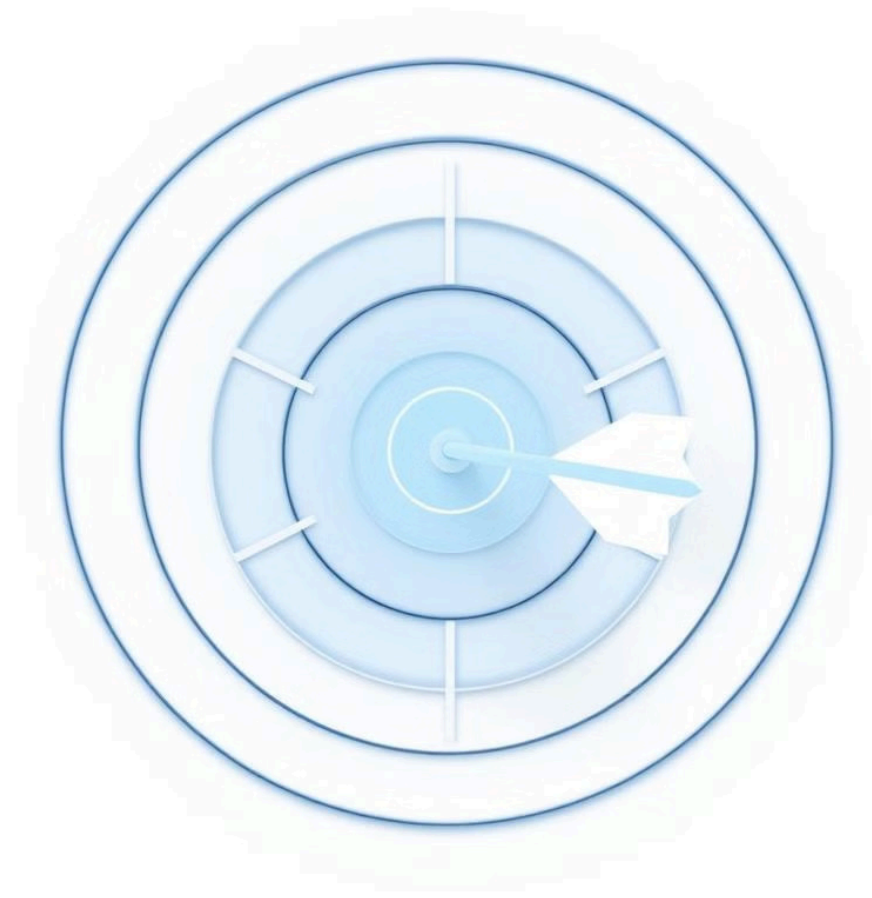
Provide easy navigation and product discovery.

3 Secure System

Implement a secure and efficient user account system.

4 Scalable Architecture

Develop a scalable architecture to handle future growth.



Project Relevance

Market Need

Online sports retail is growing, indicating strong demand.

Our Solution

A centralized platform with a diverse product selection.

Value Proposition

Save time, access more products, enjoy personalization.

Key Features and Functionality

Product Catalog

Browse by category, price, and brand.

User Accounts

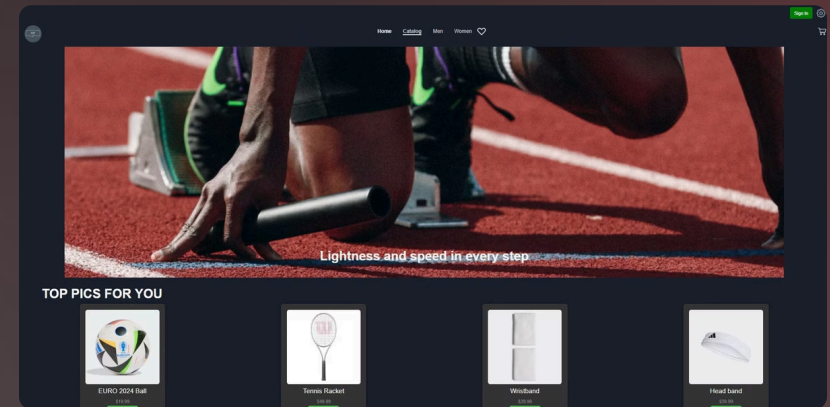
Secure registration, login, and profile management.

Responsive Design

Optimized for desktop, tablet, and mobile devices.

Search

Quickly find specific items.



Key Features and Functionality

Admin Panel

HomeProductsAdminWelcomeLogout

Products Management

ID	Name	Description	Price	Stock	Category	Actions
67b1c20c53eb6da67d3bdae0	Eco-Friendly Yoga Mat	Non-slip, eco-friendly yoga mat made from natural materials.	\$35.99	100	Yoga	<div><div>Edit</div><div>Delete</div></div>
67b1c20c53eb6da67d3bdae1	Yoga Block Set	Set of two lightweight yoga blocks for better support and alignment.	\$19.99	50	Yoga	<div><div>Edit</div><div>Delete</div></div>
67b1c20c53eb6da67d3bdae0	Wilson Tennis Racket	Lightweight carbon fiber tennis racket for professional players.	\$120.00	30	Tennis	<div><div>Edit</div><div>Delete</div></div>
67b1c20c53eb6da67d3bdae1	Tennis New	osafkasjfoiasdfasdufhacosdthfucsehfiasdfj	\$12.10	123	Yoga	<div><div>Edit</div><div>Delete</div></div>
67b48aeb0e697c6390e61ba0	Yoga Hammock	Durable and comfortable yoga hammock for aerial yoga	\$79.99	30	Yoga	<div><div>Edit</div></div>

- **Admin Panel:** Centralized management of products and categories.

Edit Product

Name:

Description:

Price:

Stock:

Category:

Submit

Categories Management

Yoga

Edit

Delete

Tennis

Edit

Delete

- **Product Editing:** Easy-to-use interface for updating product information.

Edit Product

Name:

Description:

Price:

Stock:

Category:

Submit

- **Category Management:** Add, edit, and delete product categories.

Technology Stack



Frontend

Dynamic and interactive user interface.



Backend: Go

High performance, scalability, efficient API handling.

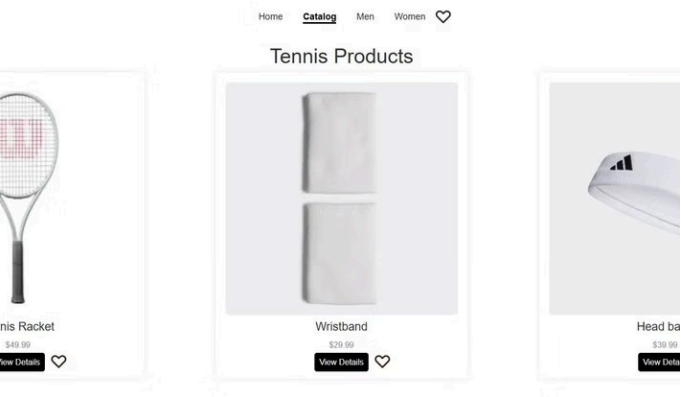


Database: MongoDB

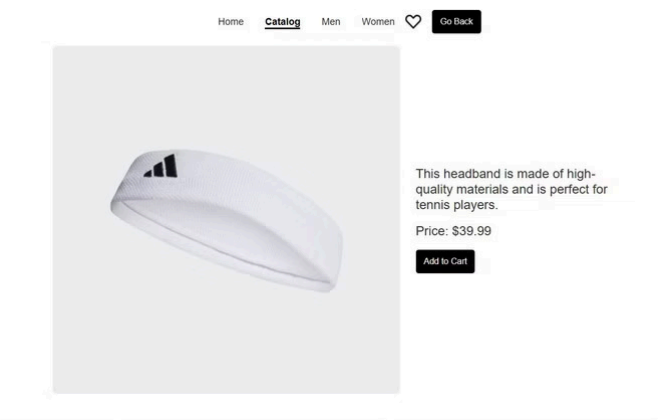
Flexible, scalable for product data and user info.



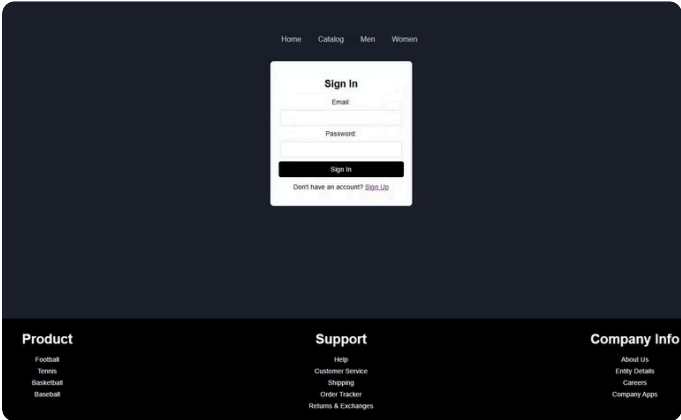
Frontend Showcase



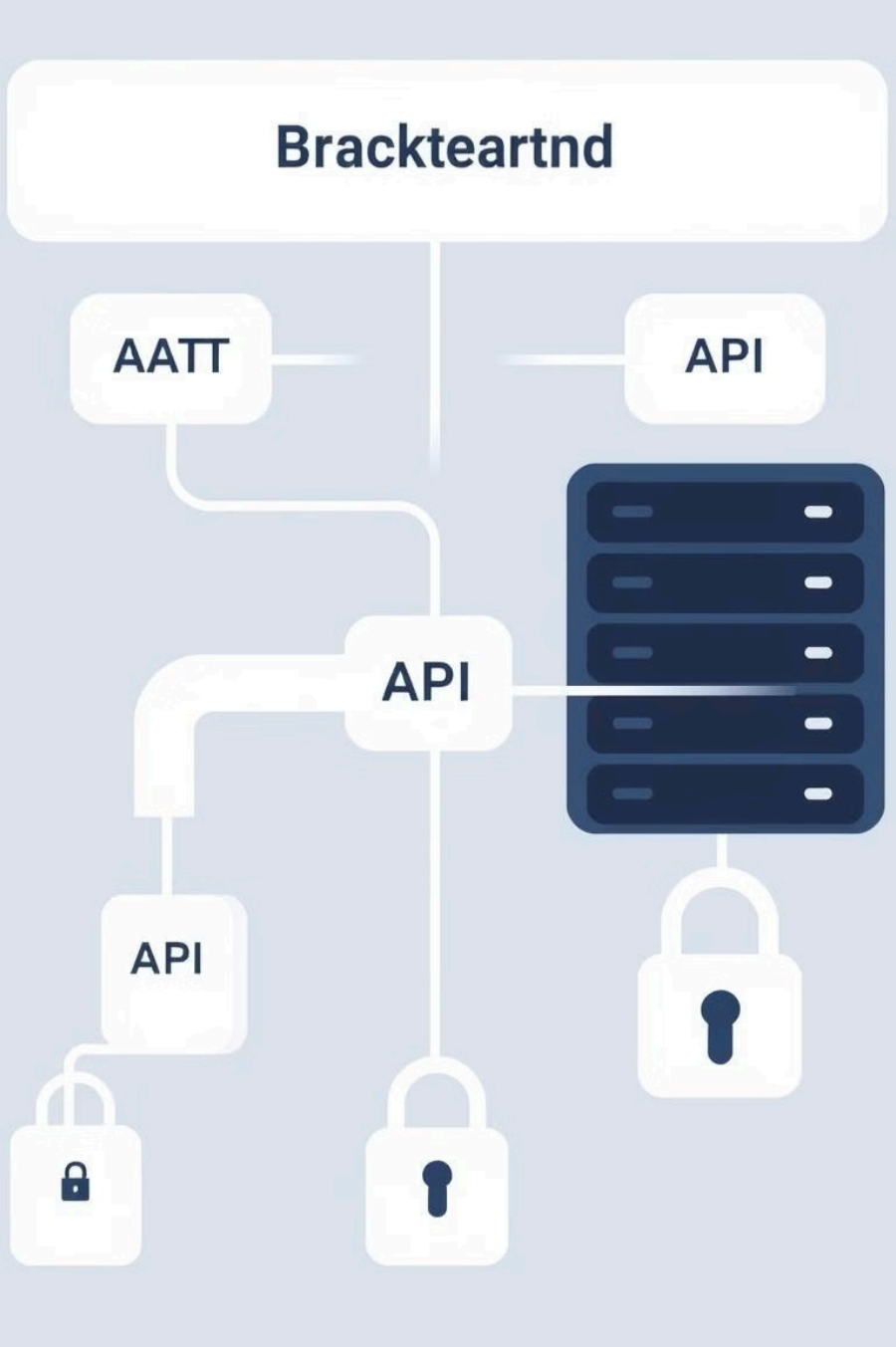
Product Catalog



Product Page



Register



Backend Architecture and API

1

RESTful API

Key API endpoints: /products, /users, /orders.

2

Go Handlers

Process requests, interact with database, generate responses.

3

Authentication

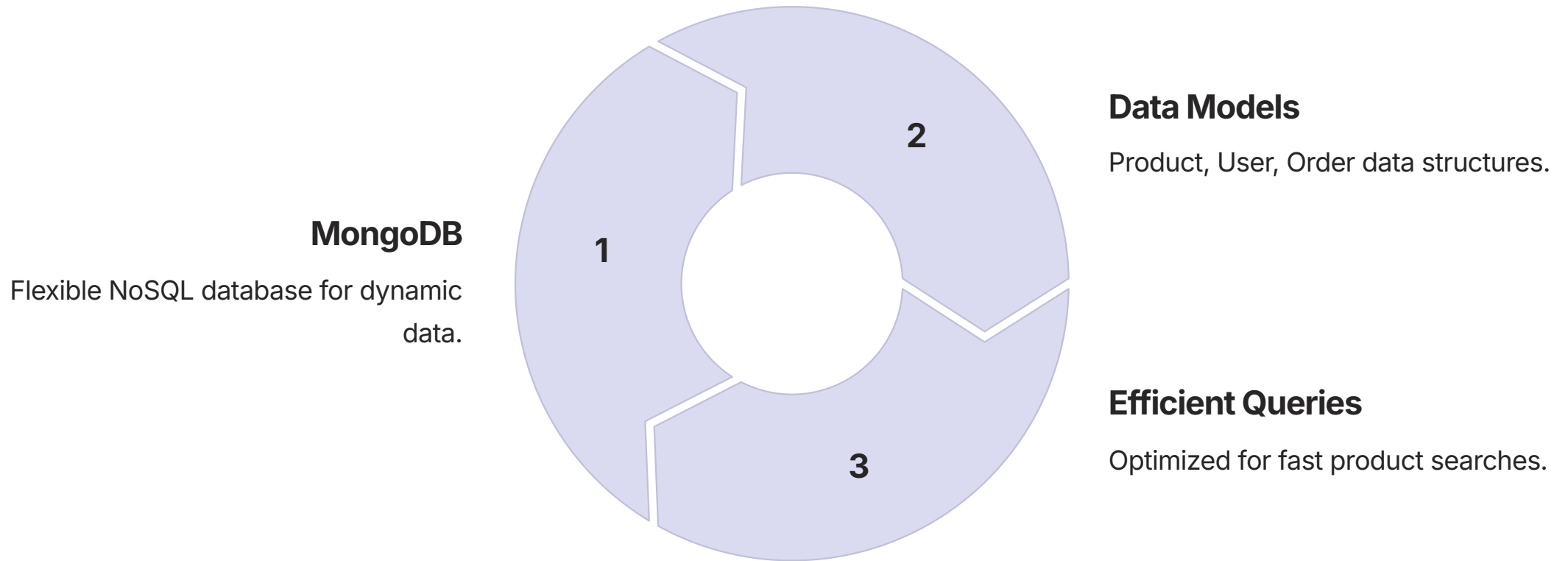
Secure user access and data protection.

Backend Architecture and API (Security Focus)

- **Security:**
 - All accounts and users hashed with bcrypt
 - **Authentication:** User login and authentication are essential for controlling access. You can implement JWT.
 - **Authorization:** Make sure that other people can't perform these actions that are reserved for Admins.



Data Management with MongoDB



Future Development: Expanding the Experience

- Future Enhancements:
 - Shopping Cart and Secure Checkout: Enable seamless order placement.
 - Product Reviews and Ratings: Enhance product discovery and build trust.
 - Payment Gateway Integration: Securely process online transactions (e.g., Stripe, PayPal).
 - Advanced Search and Filtering: Refine product discovery based on specific attributes.

Thank you for your attention!