



01

CHALLENGE THE LIMITS OF YOUR SPORT WITH THETA SPORT





INTRODUCTION



ThetaSport is an e-commerce platform specializing in sports equipment and apparel.

02

With the rise of online shopping, ThetaSport aims to become a leading platform for athletes and fitness enthusiasts worldwide.

The development of ThetaSport has been a journey, with many challenges along the way that we will explore in this presentation.

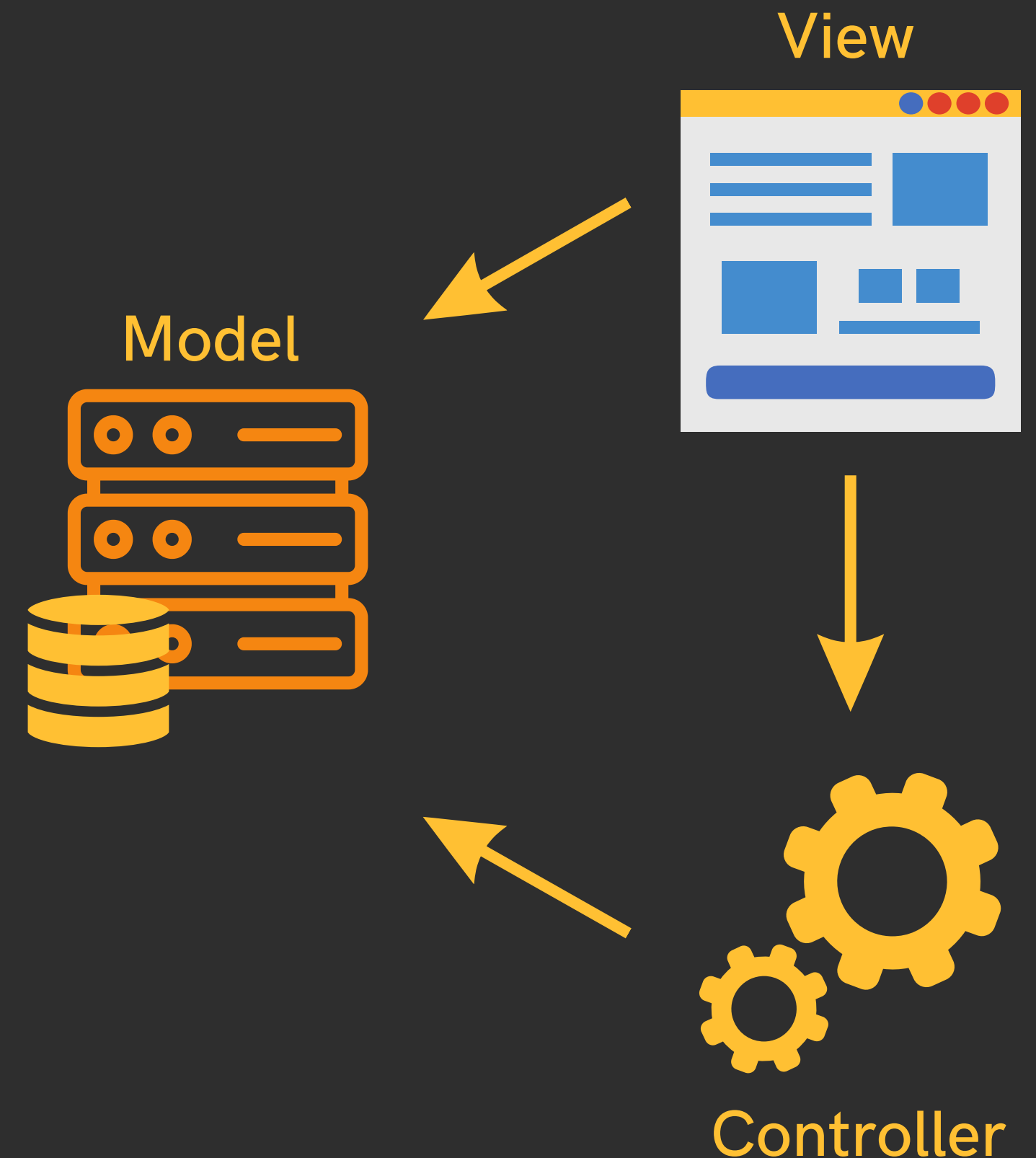




ARCHITECTURE

The ThetaSport project is entirely developed in the **Java** programming language, following the **S.O.L.I.D.** principles, utilizing **Design Patterns**, and **Web Technologies**

The core **architecture** of ThetaSport is based on the **Model-View-Controller** (MVC) pattern, used to divide the code into distinct blocks with well-defined functionalities.

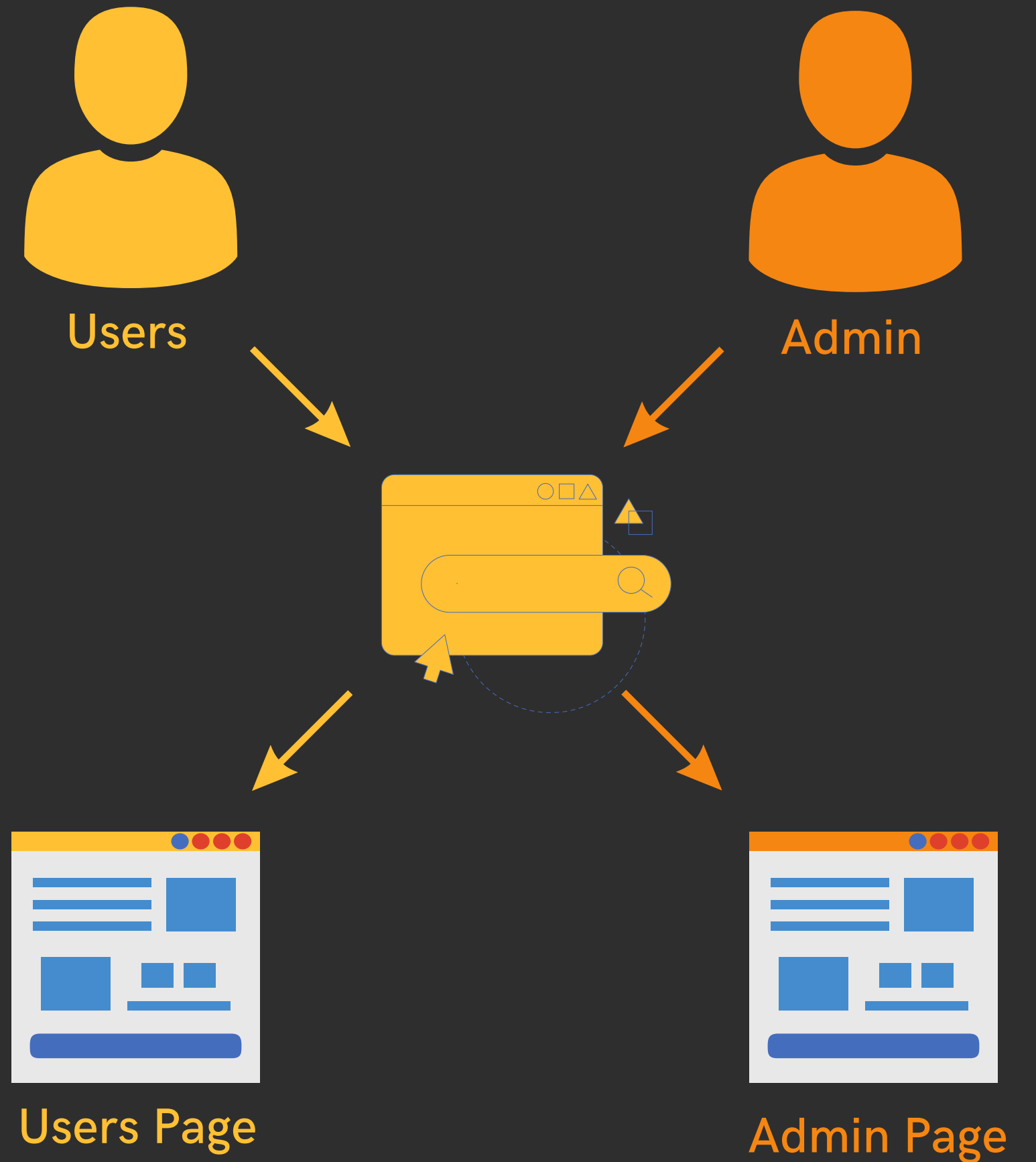




LOGIN & ROLE

ThetaSport web app is divided into two sections: **user** and **admin** login, each **redirected** to their **respective pages** based on roles.

04





USERS FUNCTIONALITY



Users

- Navigation
- Action on Personal Profile
- Action on Cart
- Buy Product

Theta Sport.

Challenge the limits of
your sport with
ThetaSport

Shop Now

Home

About us

Contact us

Login



Adidas Predator Limited Shoes
\$ 99.99



Adidas F50 Shoes
\$ 69.99



Mizuno Morelia Shoes
\$ 34.99



Nike Fluo Limited Shoes
\$ 110.99



ADMIN FUNCTIONALITY



Admin

- Personalized Offers
- Add or Remove Product
- Modify Product
- Update Sales

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Shop Now



Adidas Predator Limited Shoes
\$ 99.99



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TF-IDF



Artificial intelligence

07

Through **TF-IDF** (Term Frequency-Inverse Document Frequency) algorithm, admin can **offer personalized** deals to users based on their **purchase history**.

Special Offer





DESIGN PATTERNS



- Chain of Responsibility

Login management

08

- Abstract Factory

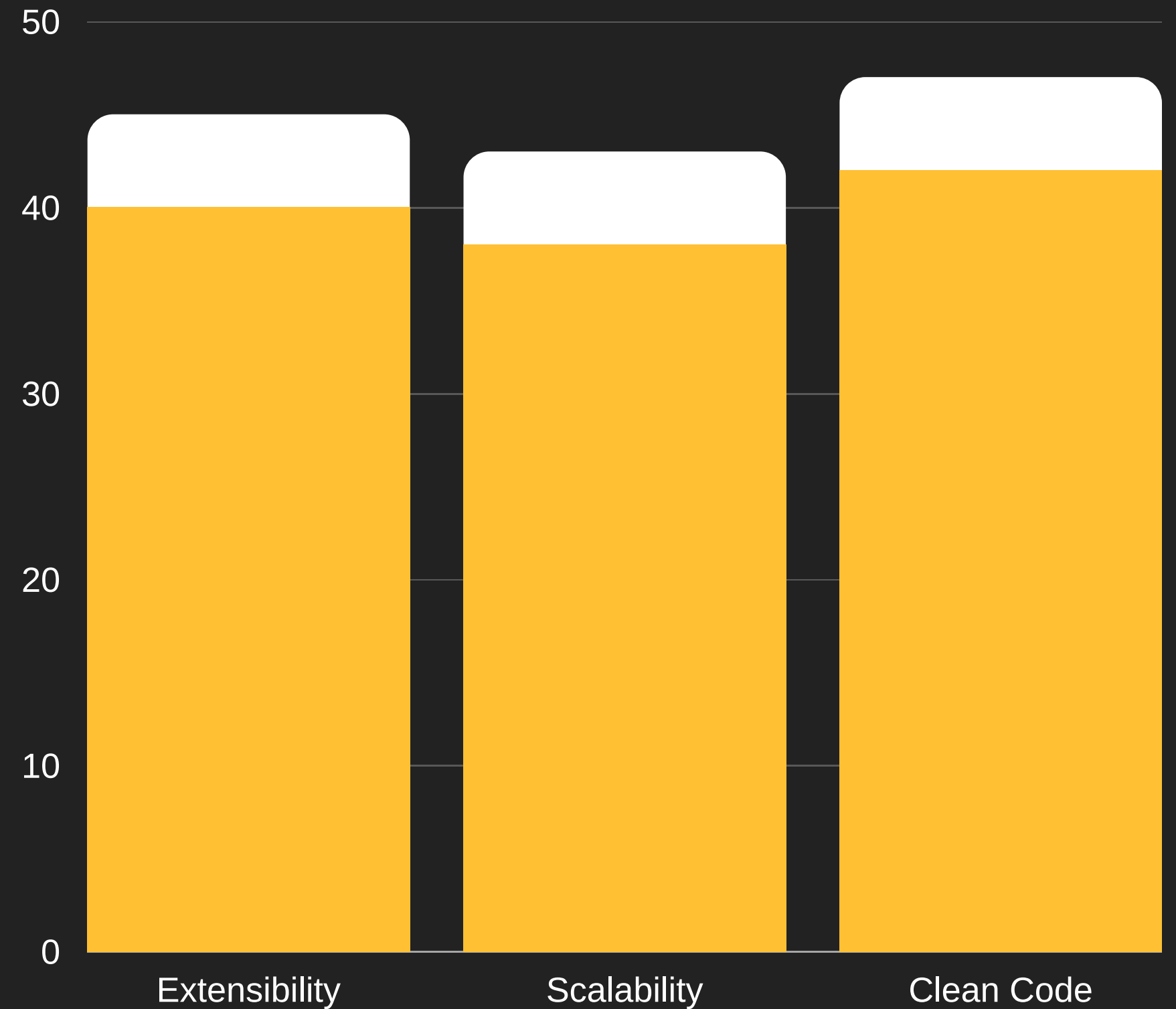
Create new products

- Visitor

Cart management

- Strategy

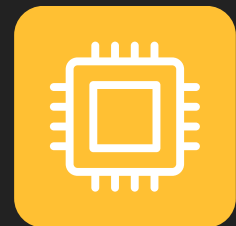
Payment methods





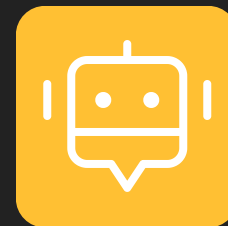
Future Implementations

09



Multithreading

To increase
performance



Chat GPT

For automated
assistance



Gamified
interactive
learning content



Thanks for your attention

10



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