



E-COMMERCE WEBSITE SUPPORTS ARTIFICIAL INTELLIGENCE

SUPERVISED BY :

DR / ENAS FAROUK

AGENDA

1. Introduction
2. Site component
3. Technology used
4. Backend Component
5. Chatbot / FAQ
6. Recommendation system
7. Future work
8. Conclusion



INTRODUCTION

What is E-Commerce?

E-commerce, short for electronic commerce, is like having a virtual shopping mall right at your fingertips. It's all about buying and selling goods and services online. Just think about all the stuff you can buy on websites like Amazon, eBay, or even directly from brands' websites—that's e-commerce in action!

Why is E-Commerce Important?

- E-commerce has completely changed the way we shop. Instead of having to go to physical stores, we can now shop from the comfort of our homes or even on the go using our phones. It's super convenient and saves us time and effort. Plus, it opens up
- a whole world of products and services from all over the globe, giving us more choices than ever before !

How Does E-Commerce Work?

Ever wondered how those online shops actually work?

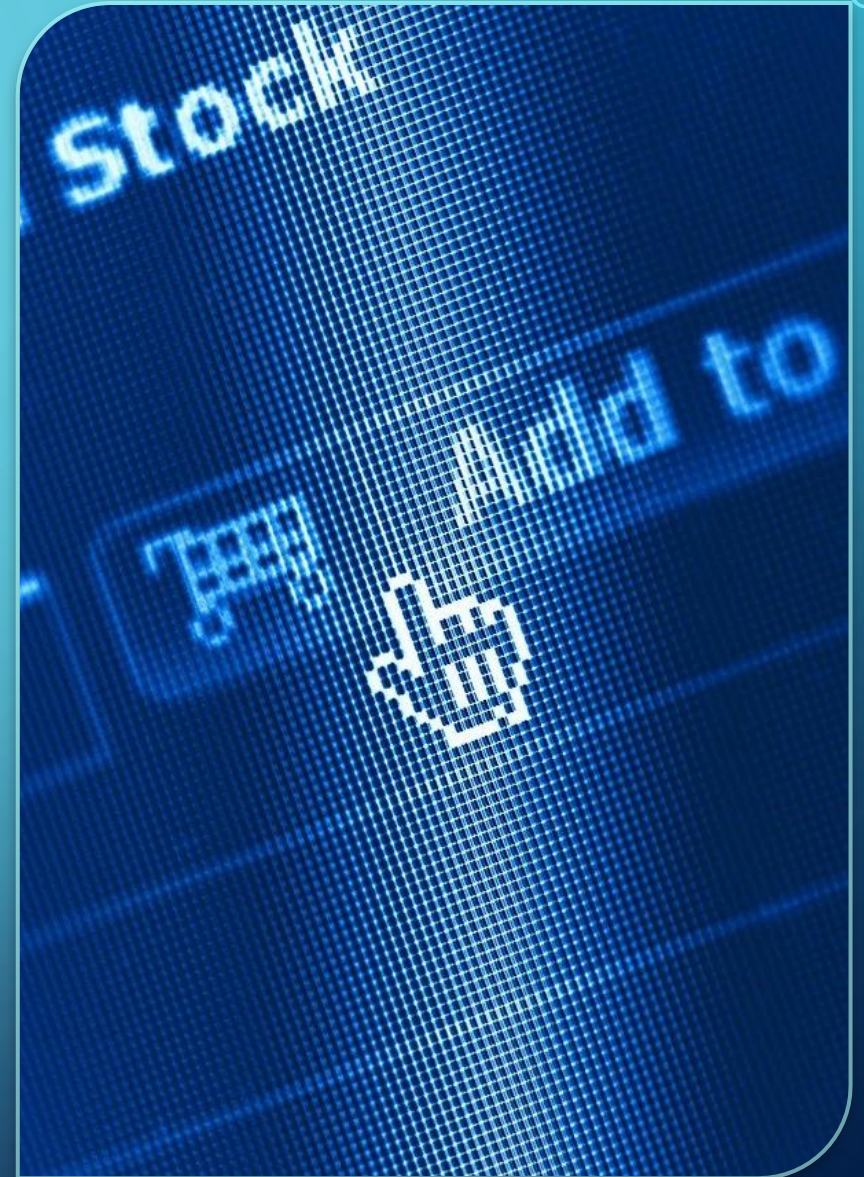
Here's a simplified explanation:

1. **The Online Store:** This is like the digital storefront where you browse and buy stuff. It's where you see all the products, read about them, and decide what you want to buy.
2. **Adding to Cart:** Just like in a physical store where you put items in your shopping cart, in e-commerce, you click a button to add items to your virtual shopping cart.
3. **Checkout:** When you're done shopping, you go to the checkout. Here, you provide your shipping address, payment details, and any other necessary information to complete the purchase.
4. **Payment Processing:** Once you've entered your payment details, the e-commerce system securely processes your payment. It makes sure everything is legit and then charges your card or transfers money from your account.
5. **Order Fulfilment:** After the payment is processed, the e-commerce system sends a notification to the seller, letting them know that you've made a purchase. The seller then gets the item ready for shipping and sends it to you.
6. **Delivery:** Finally, the item is delivered to your doorstep. Depending on where you live and the shipping method chosen, it might take a few days or even just a few hours for your order to arrive.

E-commerce has revolutionized the way we shop, making it easier, more convenient, and more accessible than ever before. Whether you're buying clothes, electronics, groceries, or even services like booking flights or ordering food, e-commerce has something for everyone. So, next time you're shopping online, remember all the behind-the-scenes magic that makes it all possible!

SITE COMPONENTS

- Home
- Products Page
- Individual product page
- Shopping cart
- Payment page
- Login and registration page
- FAQ



Home Page :

- **HTML Head Section:**

This section sets up the document with metadata, title, Google Fonts, an icon, and CSS styles.

- **Body Section and Page Preloader:**

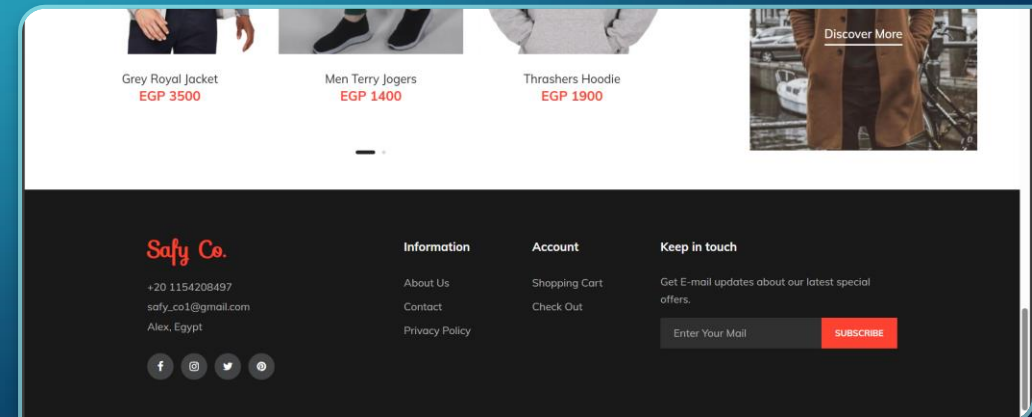
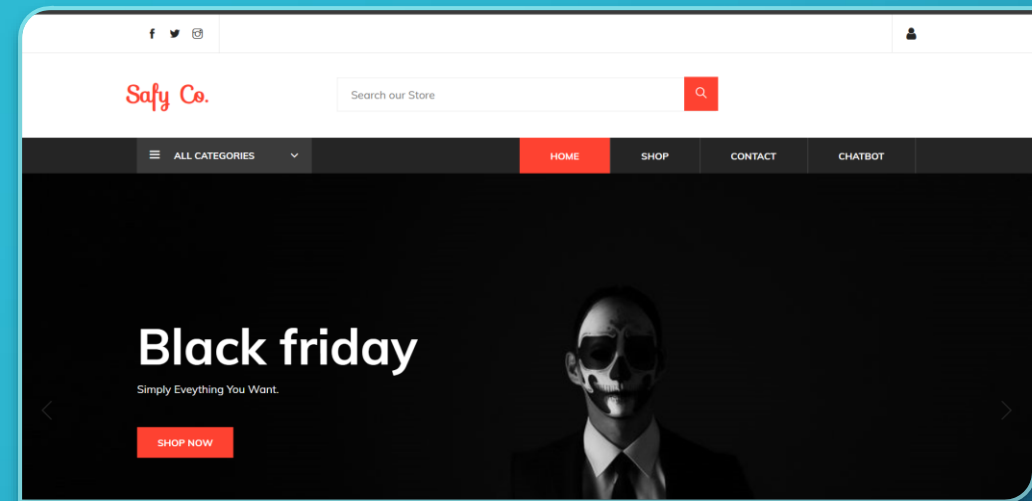
This part defines a preloader that is displayed while the page is loading.

- **Header Section:**

This part defines the top bar of the header section, including social media links and user login/logout functionality.

- **Middle Bar of Header:**

This part includes the middle bar of the header, featuring the company logo, search bar, and shopping cart details



Categories

Men

Women

Kids



B&W Tee
EGP 1300



Black and White Hood
EGP 2300



Black Puma Hood
EGP 1900

Categories

Men

Women

Kids



B&W Tee

Very Cool

EGP 1300

CATEGORY: Tee-Shirts

- 1 +


S

M

L

XL

ADD TO CART

IMAGE	PRODUCT NAME	PRICE	QUANTITY	TOTAL
	B&W Tee	EGP 1300	- 1 +	EGP 1300 X

CONTINUE SHOPPING

UPDATE CART

Subtotal EGP 1300

TOTAL EGP 1300

PROCEED TO CHECK OUT

Continue Shopping

Your Order

PRODUCTS	TOTAL
B&W Tee X 1	1300
Subtotal	EGP 1300
TOTAL	EGP 1300
PLACE ORDER	

CART/CHECKOUT :

•User Convenience:

- Simple design
- Easy item management

•Real-Time Updates:

- Automatic totals calculation
- Immediate tax and shipping updates

•Order Review:

- Summary before purchase

UX Features:

- Guest checkout
- Save cart option

LOGIN PAGE :

User Interface (UI) Design:

Clean and intuitive layout

Placement of username/email and password fields

Consistent branding (logo, colors, fonts)

User Experience (UX) Features:

Easy navigation to login page

Clear error messages and guidance

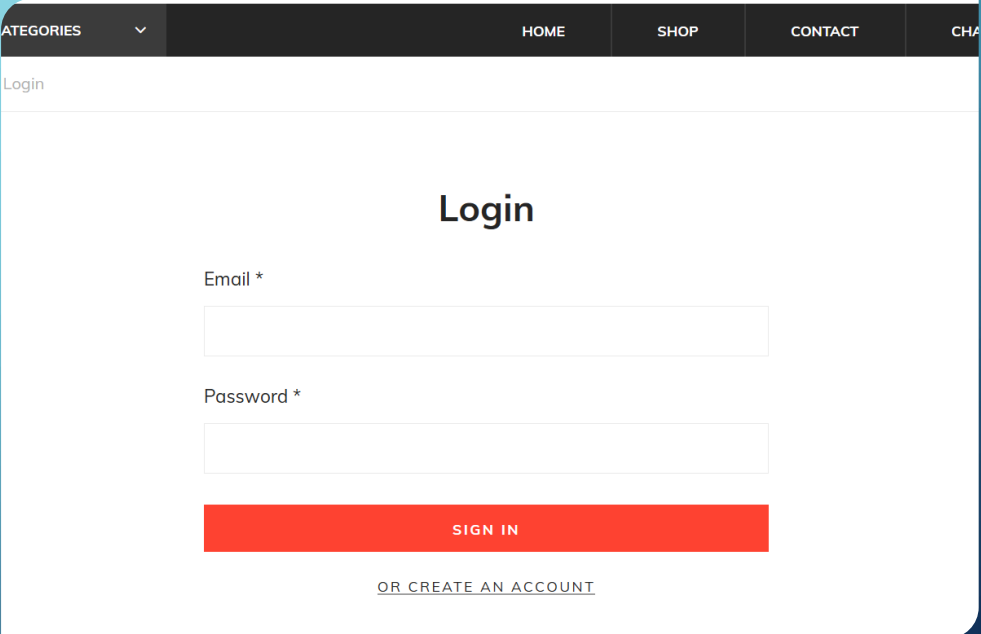
Show/hide password option

User Authentication:

Verifies user identity

Ensures secure access to the system

Collects username/email and password



The image shows a mockup of a login page. At the top is a dark navigation bar with links: CATEGORIES (with a dropdown arrow), HOME, SHOP, CONTACT, and CHA. Below the navigation bar is a white login form. The form has a title 'Login' centered at the top. Below the title are two input fields: 'Email *' and 'Password *'. Below the password field is a red button labeled 'SIGN IN'. At the bottom of the form, there is a link that says 'OR CREATE AN ACCOUNT'.

REGISTRATION PAGE :

Register

Name

Contact *

Email *

Password *

Address *

Profile Image *

Choose File

No file chosen

- Breadcrumb Section:

This section displays the navigation path to the current registration page, showing "Home" and "Register".

- Register Section:

This section provides a registration form where users can enter their details to create a new account. It includes fields for name, contact, email, password, address, and profile image. It also includes a link to the login page for users who already have an account.

Database Interaction:

Secure storage of user
dataHandling of unique identifiers (e.g., email)
Data validation before storage

User Information Collection:

Basic details: name, email, password
Optional details: address, phone number



Safy Co.

Search our Store



≡ ALL CATEGORIES



HOME

SHOP

CONTACT

CHATBOT

Black friday

Simply Eveything You Want.

SHOP NOW



TECHNOLOGY USED

Programming languages and techniques:

HTML,CSS,JS and PHP

Database:

My SQL

BACKEND COMPONENT

Server:

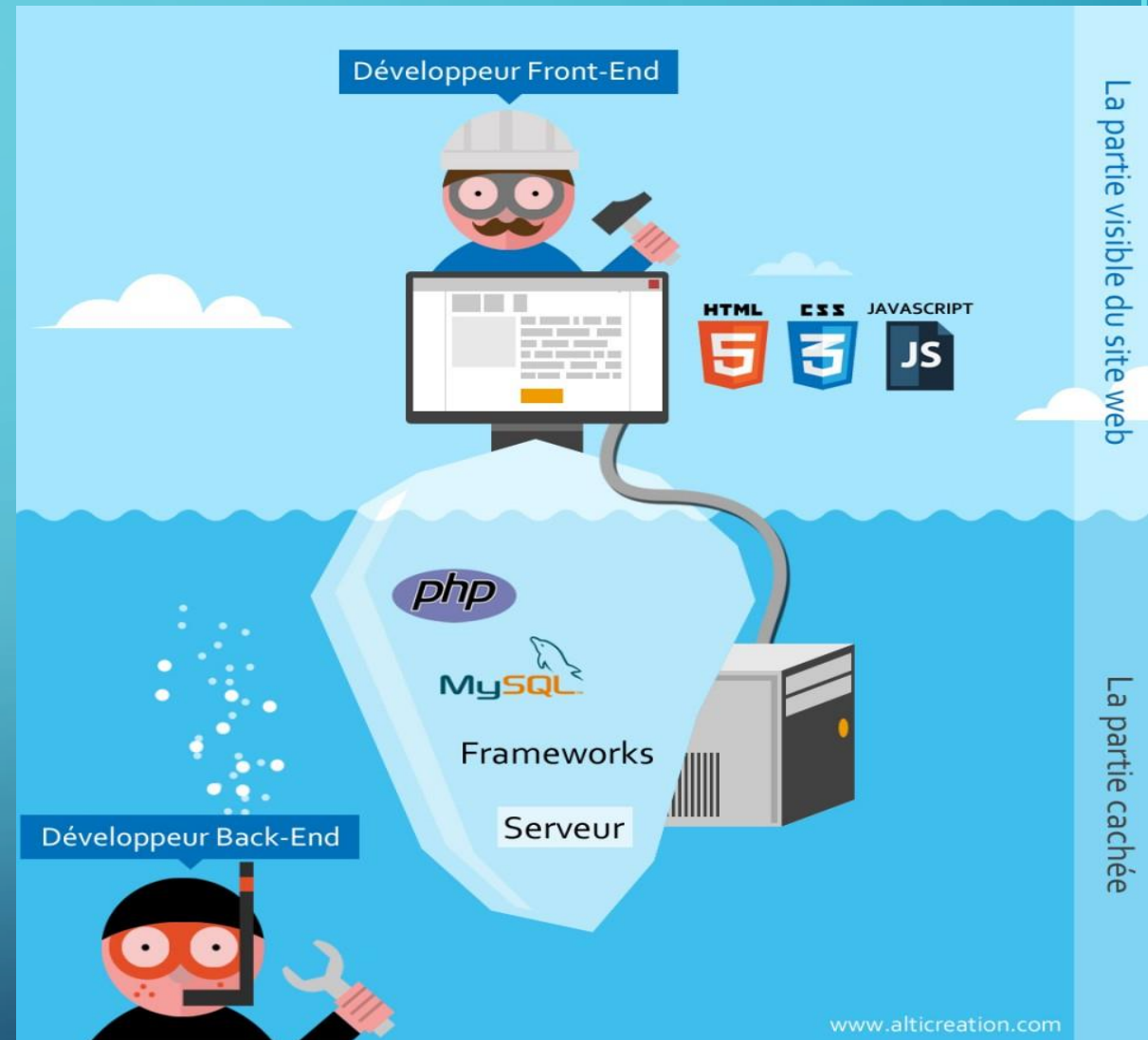
Localhost

Database:

My SQL

Programming language:

PHP



#	Time	Action	Message	Duration / Fetch
7	00:12:26	SELECT * FROM threaderz_store.orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
8	00:14:13	SELECT * FROM threaderz_store.customer LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
9	00:17:17	SELECT * FROM threaderz_store.cart LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	00:17:34	SELECT * FROM threaderz_store.slider LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
11	00:17:53	SELECT * FROM threaderz_store.customer LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	00:21:25	SELECT * FROM threaderz_store.slider LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
13	00:21:46	SELECT * FROM threaderz_store.products LIMIT 0, 1000	21 row(s) returned	0.000 sec / 0.000 sec



My SQL :




Reliability and Stability:

- Proven track record of stability
- Trusted by major companies and websites

Performance:

- High-speed data processing
- Efficient handling of large volumes of data

Security:

- Robust security features and encryption
 - Regular updates to address vulnerabilities
- 
- 
- 

CHATBOT / FAQ

Improves Customer Experience:

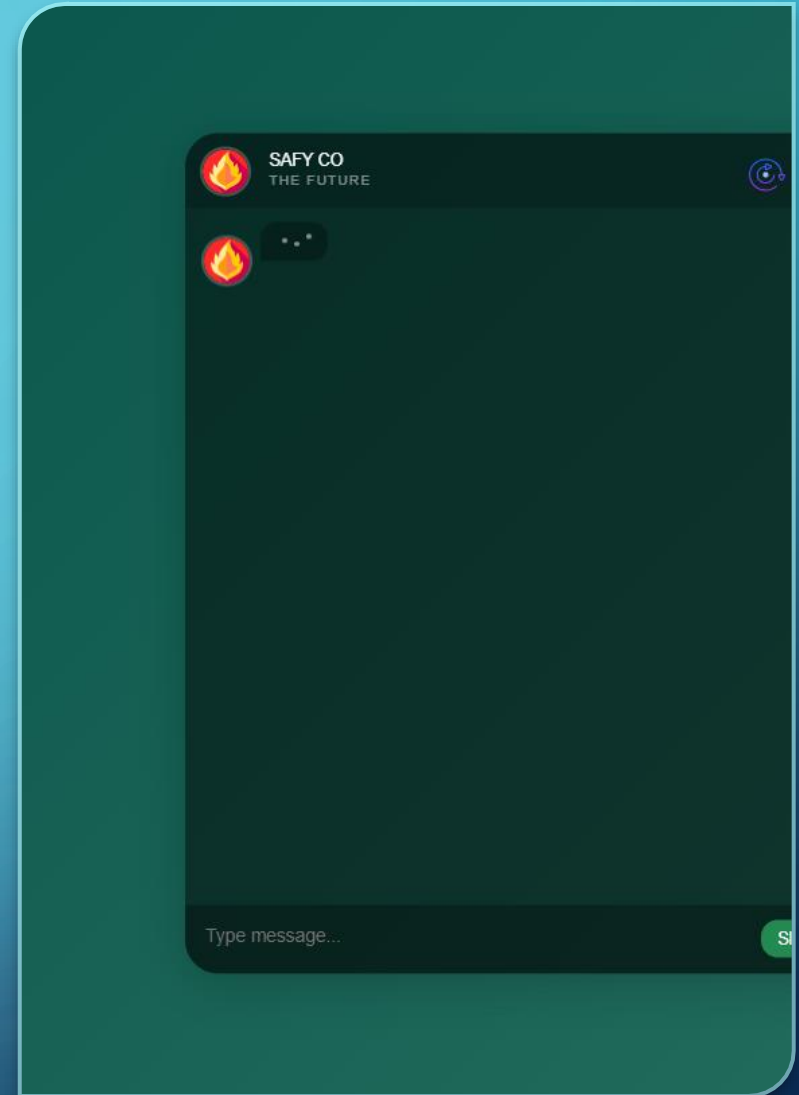
- Provides quick answers to common questions
- Reduces customer frustration

•Reduces Support Load:

- Decreases the volume of support tickets and calls
- Allows support staff to focus on more complex issues

Saves Time:

- Provides immediate information to users
- Reduces the need for repetitive responses from the support team



RECOMMENDATION SYSTEM

1. Data Collection and Pre-processing
2. Algorithm Selection and Training
3. Real-time Recommendation Generation
4. Integration with User Interface

Fashion Recommendation System

Upload an image to get fashion recommendations!

Choose an image...

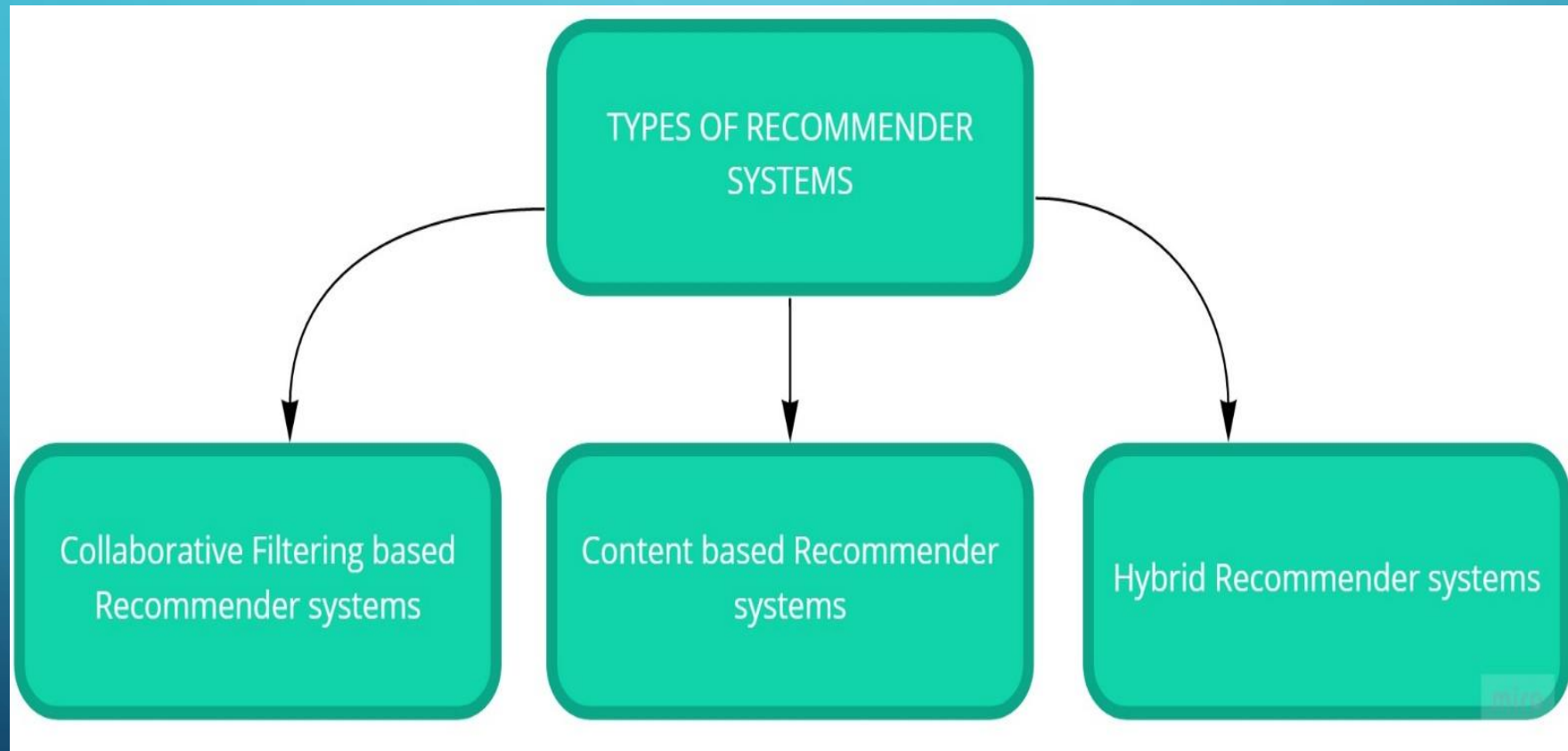


Drag and drop file here

Limit 200MB per file • JPG, JPEG, PNG

Browse files

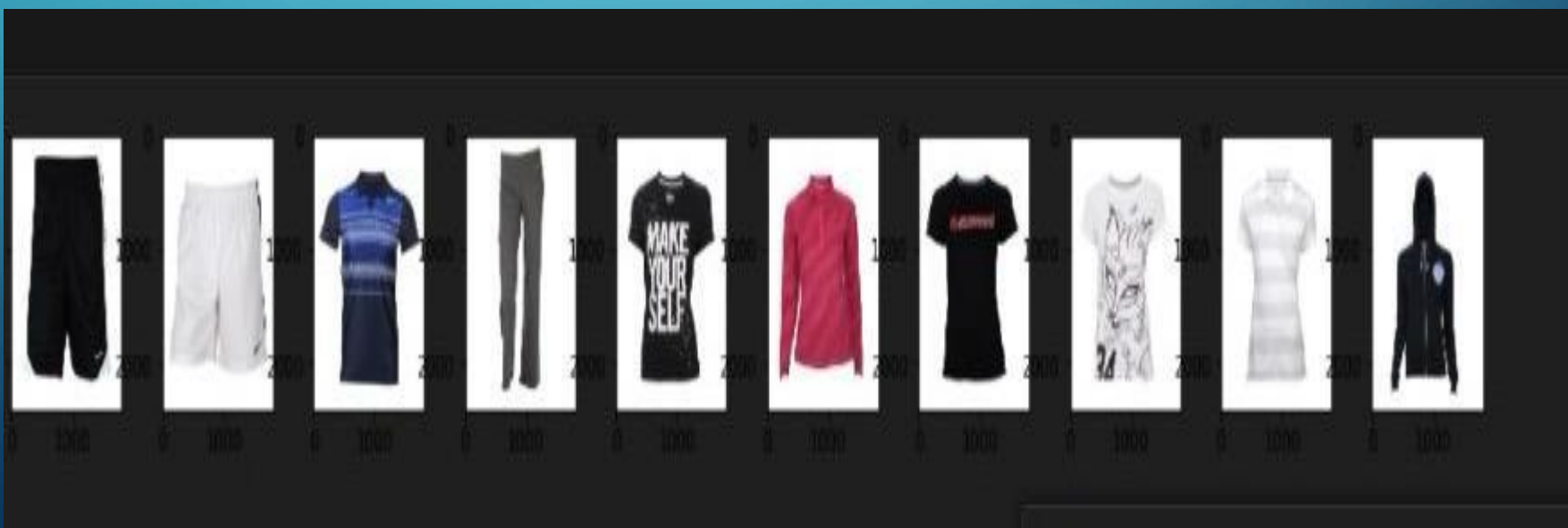
TYPES OF RECOMMENDER SYSTEM



DEEP LEARNING PROCESS

1. Understand the problem

2. Identify data



3. Select deep learning algorithm
(VGG16)

4. Training the model

5. Test the model

`[(2575, 1.0), (1387, 0.9996867), (4897, 0.98875), (5508, 0.972353), (2790, 0.939924)]`

Recommended images



FUTURE WORK

Payment Options:

- Bank Electronic Payment
- E-wallet

FAQ:

- Add new FAQs
- Add photos or illustrations
- Link questions to relevant content
- Update periodically

Create a custom admin page

Mobile APP

CONCLUSION

- Key Points
- Emphasize Benefits
- Communication and relationship building
- Our vision

We would like to express our sincere thanks and appreciation to all the supervisors of this project. Thanks to your dedication and continuous efforts, we have been able to achieve great successes and overcome challenges successfully. It has been a fruitful and inspiring experience thanks to you.

The background is a blue gradient with decorative white circuit-like lines in the corners. The lines consist of straight segments and small circles, resembling a stylized electronic circuit.

Thank you