



**YASHODA SHIKSHAN PRASARAK MANDAL'S  
YASHODA TECHNICAL CAMPUS FACULTY OF  
ENGINEERING**

**NH-4, WADHE PHATA, SATARA  
(AFFILIATED TO DBATU, LONERE)**



# **Mini-Project on “Chat-Box with JWT Authentication”**

**UNDER THE GUIDANCE OF  
Dr. S. V. Balshetwar**

**Department Of Computer Science And Engineering  
Yashoda Technical Campus, Wadhe, Satara**

# WELCOME



# Group Member



Atharv Sanjay Sabale

PRN: 2167571242061

Atharv Shridhar Bakare

PRN: 2167571242054

Sufiyan Jafar Khan

PRN: 2167571242055

Utkarsh Mohan Yadav

PRN: 2167571242056

# Presentation On E-Commerce



## **Chat-Box with JWT Authentication**

# Abstract



The proposed system combines the natural language processing capabilities of chat-bots with the authentication strength of JWT, offering an efficient and user friendly solution for various applications, including customer service, e commerce, and information retrieval.

The implementation of a chat bot capable of reading and comprehending PDF documents to provide accurate and contextually relevant answers holds significant promise across various sectors. The convergence of natural language processing, machine learning, and document understanding technologies has paved the way for innovative solutions that can streamline information retrieval, enhance learning experiences, and improve overall efficiency in diverse industries.

# TOPIC



- JWT
- Process to use website
- Software Requirement
- GUI
- Future Scope
- Conclusion

# JWT



JWT (JSON Web Token) is a compact, URL-safe means of representing claims to be transferred between two parties. It is commonly used for authentication and information exchange in web development.

## **Authentication (Login):**

User provides credentials (e.g., username and password) to the server.

The server verifies the credentials.

If valid, the server generates a JWT containing user information and a signature.

## **Token Storage on the Client:**

The server sends the JWT back to the client.

The client stores the JWT securely. This can be done using cookies, local storage, or other secure storage mechanisms.

## **Authorization (Subsequent Requests):**

The client includes the JWT in the header of subsequent requests to protected resources.

The server verifies the JWT's signature and checks its claims, ensuring the token is not expired and the user has the necessary permissions.

If the verification is successful, the server grants access to the requested resource.

# Process to use website



## **Step 1:**

The user has to Sign up with an Email ID.  
Star with no-cost plan or Premium offering.

## **Step 2:**

Upload your PDF file.  
The software will process your file and make it  
ready for you to chat with a PDF.

## **Step 3:**

Star Asking questions, it will give answer from uploaded PDF.



# SOFTWARE REQUIREMENT



## **Software Requirements –**

Operating System: Windows 7,8,10, Linux.

Web Browser: Google chrome.

Software: Visual Studio Code.

## **Hardware Requirements -**

- Processor: Intel dual core (32 bit)
- RAM: 4 GB.
- Processor Speed: 2 GHz.
- Hard disk: 500gb



# Graphical User Interface



Fizz.

Pricing

Sign-In

Get started →

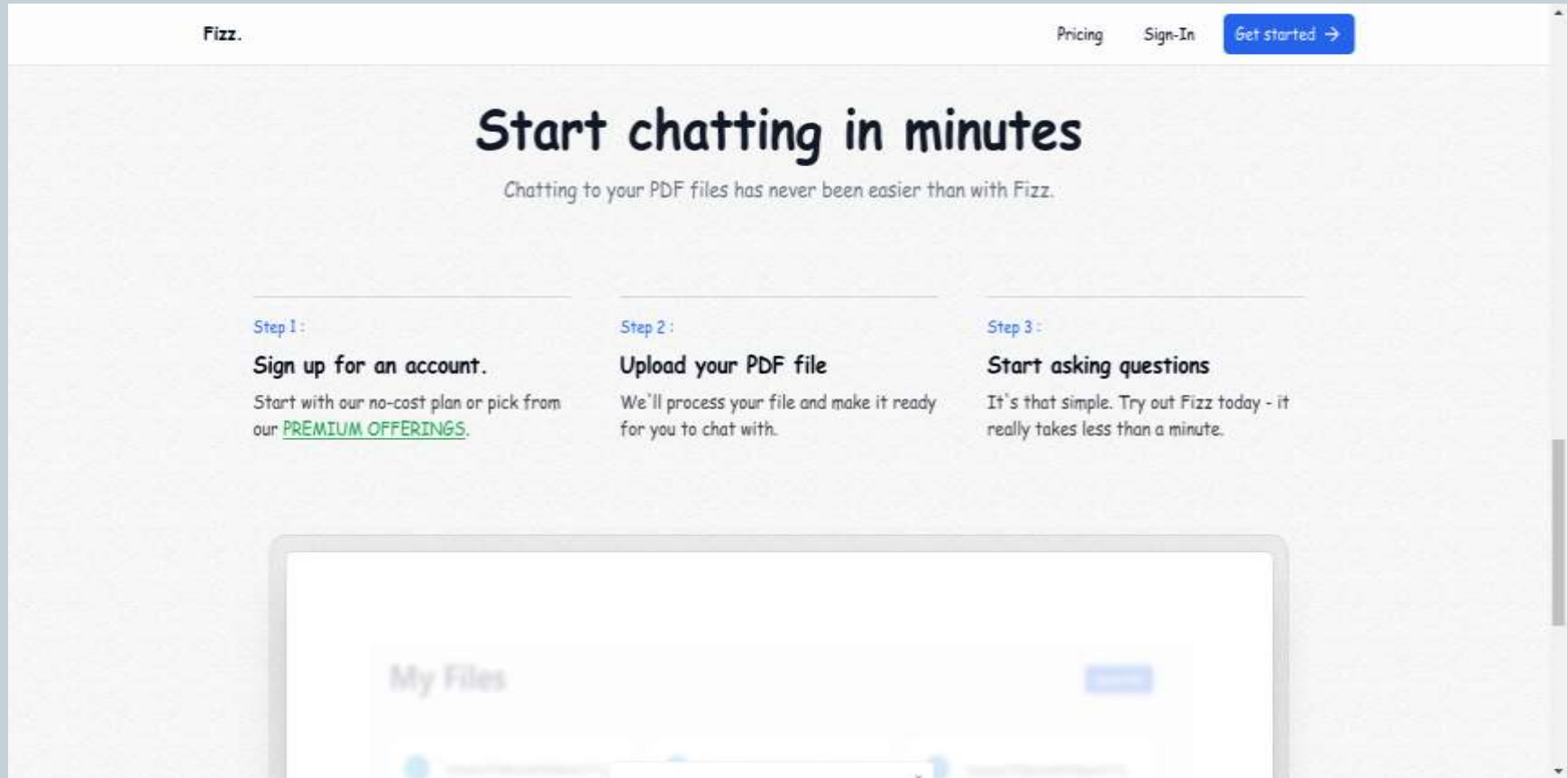
Fizz is now public !

## Chat with your documents in seconds.

Fizz allows you to have conversations with any PDF [document](#). Simply upload your file and start asking questions right away.

Get started →

# Graphical User Interface



# Graphical User Interface



Fizz.

Pricing

Sign-In

Get started →

## My Files

Upload PDF



Operating System .pdf

+ Nov 2023

mocked



file-sample\_150kB.pdf

+ Nov 2023

mocked



# Graphical User Interface



Fizz.

Pricing Sign-In [Get started →](#)

1 / 4

Q 100% ↕

🔄


🔍

## Lorem ipsum

**Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc ac faucibus odio.**


Vestibulum neque massa, scelerisque sit amet ligula eu, congue molestie mi. Praesent ut varius sem. Nullam at porttitor arcu, nec lacinia nisi. Ut ac dolor vitae odio interdum condimentum. **Vivamus dapibus sodales ex, vitae malesuada ipsum cursus convallis. Maecenas sed egestas nulla, ac condimentum orci.** Mauris diam felis, vulputate ac suscipit et, iaculis non est. Curabitur semper arcu ac ligula semper, nec luctus nisl blandit. Integer lacinia ante ac libero lobortis imperdiet. *Nullam mollis convallis ipsum, ac accumsan nunc vehicula vitae.* Nulla eget justo in felis tristique fringilla. Morbi sit amet tortor quis risus auctor condimentum. Morbi in ullamcorper elit. Nulla iaculis tellus sit amet mauris tempus fringilla.

Maecenas mauris lectus, lobortis et purus mattis, blandit dictum tellus.



### Processing PDF...

This won't take long.



# FUTURE SCOPE



- **Educational Sector:** A chat bot could assist students by reading and summarizing educational materials in PDF format, helping them understand and retain information.
- **Corporate Document Management:** In a corporate environment, a chat bot could help employees quickly retrieve information from extensive policy documents, reports, or manuals.
- **Healthcare Sector:** Chat bots could assist healthcare professionals in analyzing medical research papers, patient records, and other healthcare-related documents.
- **Legal Industry:** Chat bots could be developed to assist legal professionals in researching and summarizing legal documents, cases, and statutes.

# CONCLUSION



PDF-reading chat bot in fields such as education, corporate document management, legal services, healthcare, customer support, research and development, e-commerce, and more. The ability of such a system to analyze and extract pertinent information from PDF files not only facilitates rapid data retrieval but also empowers users with instant access to knowledge, ultimately fostering a more informed and productive environment.

# THANK YOU !

