

SZHOES SHOPPING STORE

Project Report Submitted

To

Gujarat University

**In partial fulfilment of the requirements for
the award to the Degree of**

**5 YEAR INTEGRATED MASTER OF SCIENCE
(COMPUTER SCIENCE)**

SEMESTER - VII

GUIDED BY:

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SUBMITTED BY:

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**DEPARTMENT OF COMPUTER SCIENCE
GUJARAT UNIVERSITY, AHMEDABAD
YEAR: 2024-25**

Department Of Computer Science

Gujarat University



Certificate

Roll No: 36

Seat No : 70021

This is to certify that Mr. /Ms. Yadav Ansh Jagdishbhai student of Seventh Semester of 5 years Integrated M.Sc (Computer Science) has duly completed his/her project titled SZhoes Shopping Store for the semester ending in December 2024, towards partial fulfillment of degree of 5 years Integrated M.Sc (Computer Science).

Date of Submission: 19/12/2024

*Internal Project Guide:
Dr. Bhumika Shah*

Course Coordinator :

Dr. Jyoti Pareek

*Head of Department
Dr. Hiren Joshi*

ACKNOWLEDGEMENT

I take this opportunity to express my heartiest gratitude to many who extended their helping hand and inspiration during the project. The successful completion of this project work stands on the shoulder of the people who have helped us directly or indirectly.

I am very much grateful to Dr. Hiren Joshi, Head of the department and Dr. Jyoti Pareek for giving us a platform where my learning could be affirmed and implemented, also my gratitude to my internal guide Dr. Bhumika Shah, Lecturer at Department of Computer Science, Gujarat University. Under whose interest, guidance and constant supervision at any stage of work have been the greatest help for us in bringing out this work in the present shape.

I am indebted to my other faculty members and an internal guide for motivating me and fostering a feeling of belongingness towards my alma mater. Their helpful solutions and comments enriched by their experience for the betterment of the project. I sincerely acknowledge that without his support this project would not have been feasible.

I express gratitude to everyone, whether directly or indirectly involved, for their contributions to the project. Your support has been a cornerstone in the successful development of the SZhoes Shopping Store.

With Thanks to All

Ansh Yadav

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INTRODUCTION TO THE SYSTEM

SZHOES Shopping Store is a comprehensive web-based application designed to provide a seamless online shopping experience for customers. The system is tailored to showcase and sell a diverse range of footwear products, offering an intuitive and user-friendly interface. Built with cutting-edge web technologies, SZHOES combines functionality, performance, and aesthetics to create an engaging e-commerce platform.

The system features robust product management, an interactive product catalog. It supports CRUD operations for product data, ensuring efficient inventory management for store administrators. Additionally, the platform is optimized for responsiveness, ensuring accessibility across various devices and screen sizes. SZHOES Shopping Store aims to deliver a reliable, fast, and enjoyable shopping experience to its users, while enabling store managers to manage their business with ease.

In conclusion, It represents a modern and efficient solution for online footwear retail, combining advanced technology with user-centric design. By offering a dynamic platform for customers to explore and purchase products, and equipping administrators with powerful management tools, the system streamlines both the shopping and operational processes. With its focus on reliability, security, and performance, SZHOES Shopping Store not only meets the demands of today's digital marketplace but also ensures a satisfying and memorable experience for users. This platform is poised to enhance customer engagement, boost sales, and establish a strong online presence for the business.

PROJECT PROFILE

TITLE	DESCRIPTION
Project Title	SZhoes Shopping Store
Aim of the Project (Phase - 1)	Create a AI Assistant who can handle query efficiently and retrieve solution for the query
Aim of the Project (Phase - 2)	Develop an e-commerce website to sell a diverse range of high-quality footwear, seamlessly integrating with an ERP system.
Tools Used	Visual Studio code, Git hub
Technology Used (Phase - 1)	NLTK, Flask
Technology Used (Phase - 2)	Next.js, Spring Boot, Flask, Tailwindcss
Database Used	PineconeDB, MongoDB
Team Size	1 Member
Team Member	Yadav Ansh Jagdishbhai (70021)
Internal Guide	Dr. Bhumika Shah
Project Duration	6 Months

PHASE - 1
(AI Assistant)

PROPOSED SYSTEM

❖ AI Assistant FAQ's

This project aims to develop a **web-based FAQ search application** that offers an intuitive and intelligent search experience using **semantic search capabilities** powered by a **Vector Database** (e.g. Pinecone). The core innovation lies in retrieving contextually relevant answers to user queries by leveraging **dot product similarity** on pre-computed vector embeddings of FAQ data.

Why Semantic Search?

Traditional keyword-based search systems often fail to capture the nuances of natural language, such as synonyms, contextual relationships, or implicit meanings. Semantic search overcomes this limitation by:

1. **Understanding Intent:** Analyzing the meaning behind user queries instead of just matching exact words.
2. **Handling Variations:** Recognizing different phrasings and synonyms for the same concept.
3. **Enhancing Relevance:** Returning results based on contextual similarity rather than simple keyword matches.

This approach significantly improves the search experience, especially for FAQs where the same question may be phrased in numerous ways.

Key Features

User Query Input:

- A simple, user-friendly interface where users can type their questions.
- Support for natural language input, enhancing accessibility for users of varying technical backgrounds.

Semantic Search Engine:

- **Dot Product Similarity:** Efficiently compares user query embeddings with stored FAQ embeddings to rank and retrieve the most relevant answers.
- **Real-Time Performance:** Ensures quick response times, even with large datasets, leveraging optimized vector search algorithms.

Dynamic Results Display:

- Presents a ranked list of the most relevant FAQs with a high similarity score.
- Includes rich text support for FAQs, with options to display metadata like categories, timestamps, or related links.

How Dot Product Powers Semantic Search

The **dot product** measures the similarity between two vectors by comparing their directional alignment. In this context:

- **FAQ Embeddings:** Represent the semantic meaning of FAQ questions and answers as high-dimensional vectors.
- **Query Embeddings:** Generated dynamically when users input a question.
- **Similarity Computation:** The dot product between the query vector and each FAQ vector is computed to find the most aligned (similar) entries. This operation is fast, making it ideal for real-time applications.

Advantages of Using Dot Product:

1. **Computational Efficiency:** Simple mathematical operation that scales well with vector dimensions.
2. **Speed:** Enables rapid similarity computations for large datasets, critical for real-time applications.
3. **Scalability:** Handles growing datasets efficiently, especially when paired with approximate nearest neighbor (ANN) search techniques in vector databases.

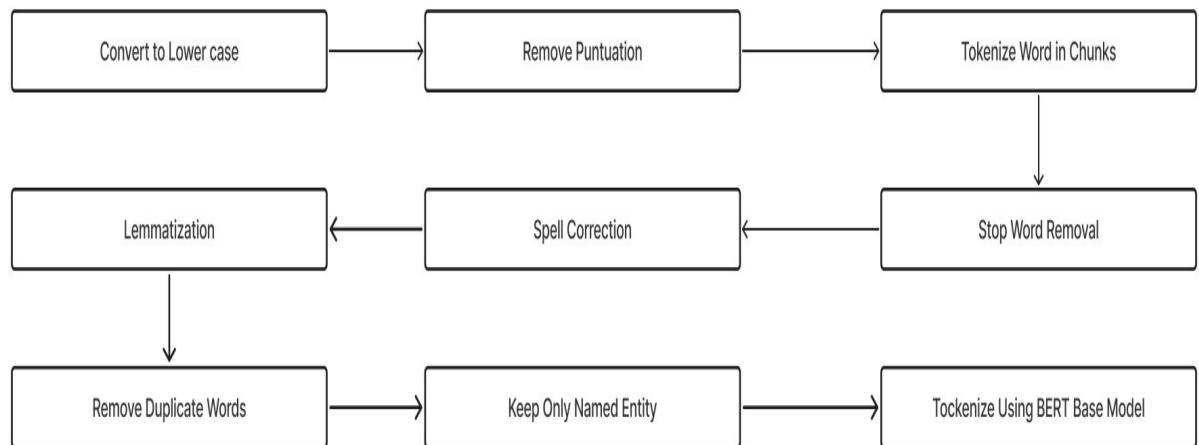
Key Benefits

1. **Improved Search Relevance:** Users find the most contextually accurate answers, reducing frustration and improving satisfaction.
2. **Enhanced User Experience:** The intuitive interface and quick response times create a seamless interaction flow.
3. **Scalability:** The system is designed to handle large datasets and increasing user traffic without significant performance degradation.

By leveraging state-of-the-art language models and vector databases, this FAQ search application provides a robust foundation for scalable, accurate, and intuitive information retrieval systems.

❖ Pre Processing

- o Convert to Lower Case
- o Remove Punctuation
- o Tokenize word
- o Stop word removal
- o Spell Correction
- o Lemmatization
- o Remove Duplicate Words
- o Keep only named entity
- o Tokenize using BERT Base model



❖ BERT Model

BERT (Bidirectional Encoder Representations from Transformers) is a groundbreaking natural language processing (NLP) model developed by Google that revolutionized how machines understand text. Unlike traditional models, BERT captures **context from both directions**—left-to-right and right-to-left—providing a deep understanding of word meaning based on its surrounding words. This bidirectional capability makes BERT especially effective for tasks that require understanding nuances, such as FAQ retrieval.

How BERT Works

Pre-trained Contextual Understanding:

- BERT is trained on a massive corpus (e.g., Wikipedia and BooksCorpus), allowing it to learn universal language patterns and semantic relationships.

Tokenization and Embedding:

- Each input text (e.g., user query) is broken into **tokens** and passed through BERT.
- For each token, BERT generates a **768-dimensional vector** (for bert-base), encapsulating its semantic meaning in the given context.

Sentence Embeddings:

For tasks like FAQ retrieval, the **[CLS] token** embedding (representing the entire sentence) or averaged embeddings across all tokens can be used to generate a single vector representation of the query.

FAQ Retrieval with BERT and Pinecone

BERT's ability to transform text into dense vector representations makes it an ideal tool for semantic search. By integrating BERT embeddings with a vector database like Pinecone, the system enables **efficient and accurate FAQ retrieval**.

Key Components of the System

FAQ Dataset Preprocessing:

- Each answer in the FAQ dataset is processed through BERT to generate dense vector embeddings.
- These embeddings capture the semantic meaning of the text, allowing the system to match queries and FAQs even when phrased differently.

User Query Transformation:

- When a user submits a question, BERT transforms it into a vector representation in real-time.
- This query vector represents the user's intent, enabling context-aware searches.

Similarity Search with Dot Product:

- The vector database (e.g., Pinecone) performs **dot product similarity** to compare the query vector with precomputed FAQ embeddings.
- Dot product measures the alignment (similarity) between the two vectors, ranking FAQs based on relevance.

Dynamic FAQ Updates:

- The system supports continuous updates, allowing new FAQs to be added and their embeddings seamlessly integrated into the vector database.
- This adaptability ensures the system evolves with changing user needs and query patterns.

Why Pinecone for Vector Storage?

Pinecone is a purpose-built vector database designed for efficient storage and retrieval of high-dimensional vector embeddings. Its integration with BERT offers several advantages for FAQ systems:

Scalability:

- Handles billions of vectors with low-latency search, making it suitable for large-scale applications.

Real-Time Performance:

- Optimized for fast similarity searches, ensuring users get instant responses.

Flexibility:

- Supports approximate nearest neighbor (ANN) search algorithms, balancing speed and accuracy.

Seamless Integration:

- Provides SDKs and APIs for easy integration with applications, enabling smooth workflows from BERT embedding generation to search.

Advantages of BERT-Powered FAQ Systems

Improved Search Relevance:

- Captures the true intent of user queries, returning FAQs that are semantically similar rather than relying on exact keyword matches.
- For example, a query like *"How do I reset my password?"* will match FAQs such as *"Steps to recover a forgotten password"* or *"Guide to password recovery."*

Enhanced User Experience:

- Provides accurate answers, reducing the time users spend searching for information.
- Handles ambiguous or poorly phrased queries with ease, making the system more user-friendly.

Adaptability and Growth:

- The system evolves with new FAQs, ensuring that answers remain relevant over time.

Technical Workflow

Preprocessing and Embedding Storage:

- Preprocess the FAQ dataset.
- Pass each FAQ question-answer pair through BERT to generate embeddings.
- Store embeddings in Pinecone for vectorized search.

Real-Time Query Handling:

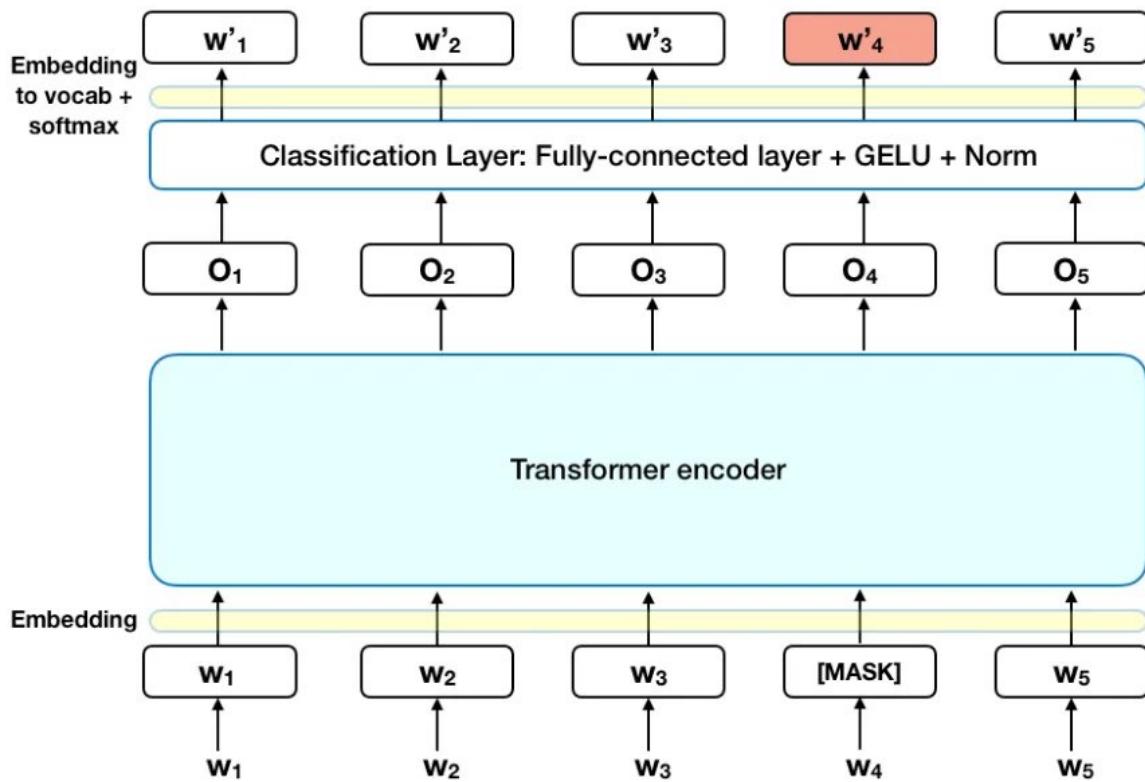
- Receive a user query and preprocess it (e.g., tokenization and stop-word removal).
- Generate the query embedding using BERT.
- Perform a similarity search in Pinecone using the query vector.

Results Retrieval and Ranking:

- Retrieve the top-k matching FAQs based on similarity scores.
- Display results ranked by relevance.

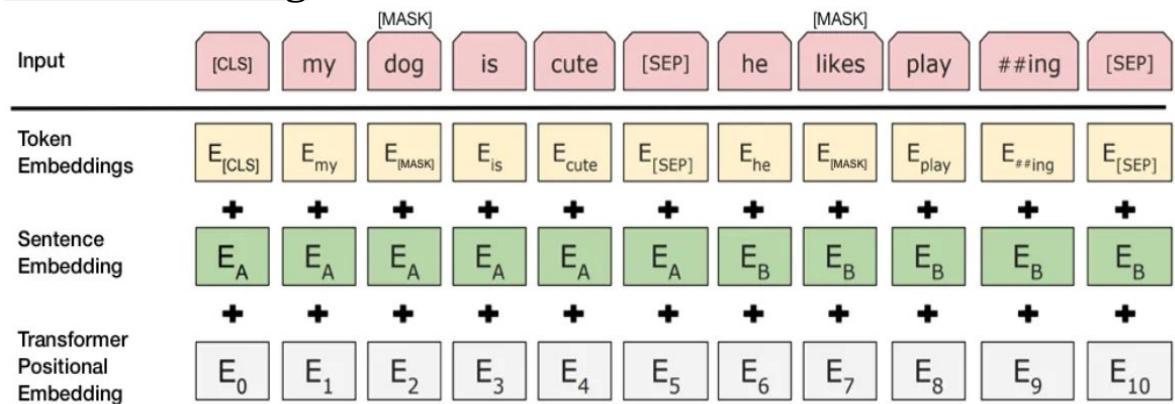
By integrating BERT's semantic understanding with the speed and scalability of Pinecone, this FAQ retrieval system delivers a robust, intelligent, and adaptable solution for modern information retrieval challenges.

❖ BERT Explanation



BERT Explanation (<https://towardsdatascience.com/bert-explained-state-of-the-art-language-model-for-nlp-f8b21a9b6270?gi=b81f3ce2eb21>)

❖ BERT Masking



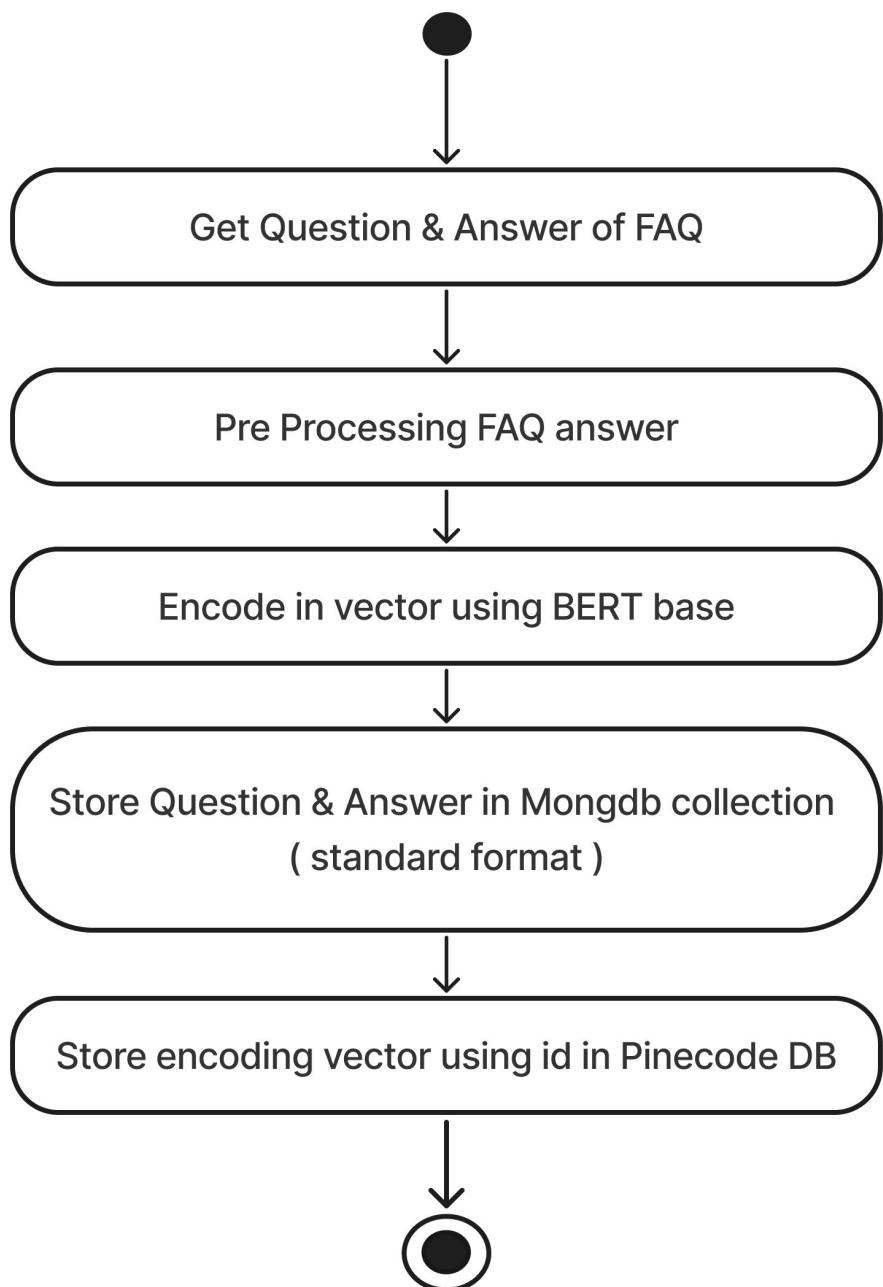
BERT Explanation (<https://towardsdatascience.com/bert-explained-state-of-the-art-language-model-for-nlp-f8b21a9b6270?gi=b81f3ce2eb21>)

TECHNOLOGY USED

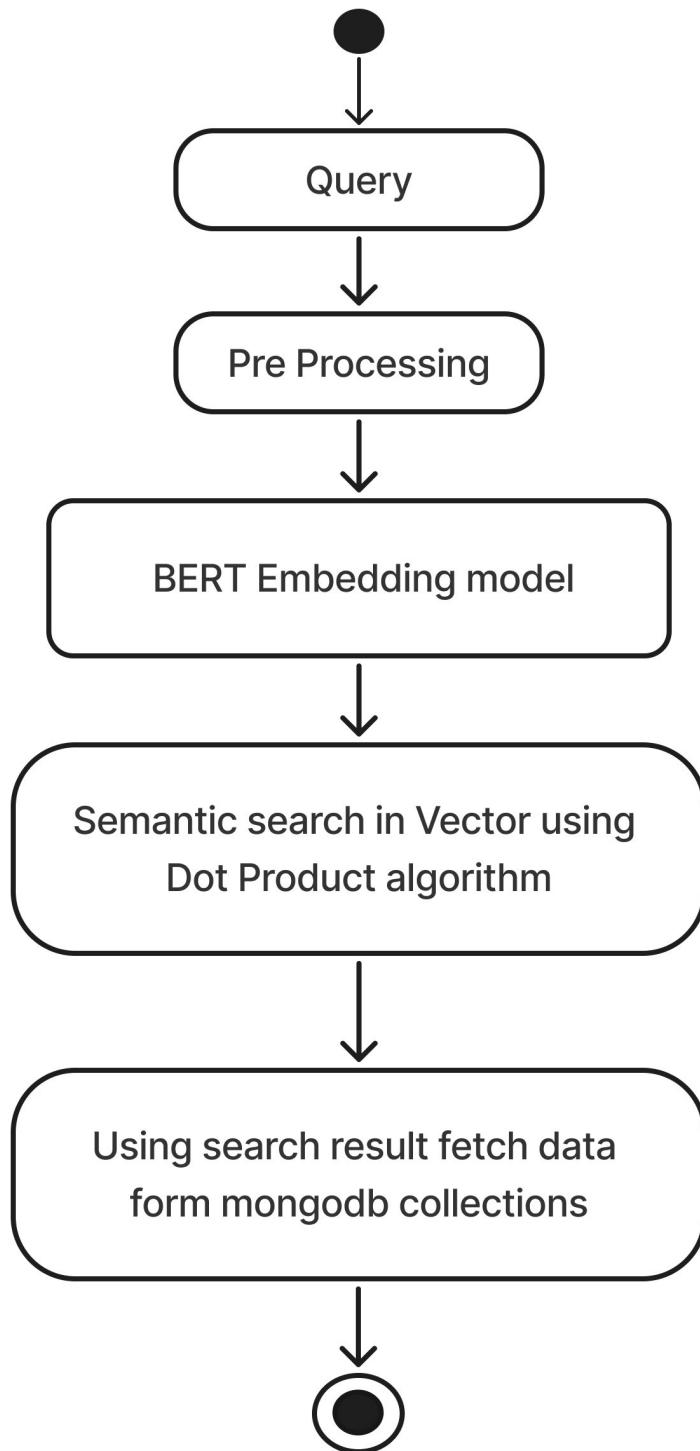
- o Transformer : A deep learning model architecture, widely used for natural language processing (NLP) tasks such as text generation, translation, and summarization.
- o Torch : A machine learning library, also known as PyTorch, offering dynamic computation graphs and GPU acceleration for building and training deep learning models.
- o Pinecone : A vector database service for fast and scalable similarity search, used in applications like recommendation systems, semantic search, and NLP.
- o NLTK : The Natural Language Toolkit, a Python library for processing and analyzing human language data, providing tools for tokenization, stemming, and more.
- o Spacy : A robust NLP library for Python, designed for production use, featuring fast and accurate tools for tasks like entity recognition, dependency parsing, and text classification.
- o Text Blob : A simple library for text processing, offering functionalities like sentiment analysis, part-of-speech tagging, and language translation, ideal for quick NLP tasks.

SYSTEM DIAGRAMS

❖ Activity Diagram of Add FAQ's

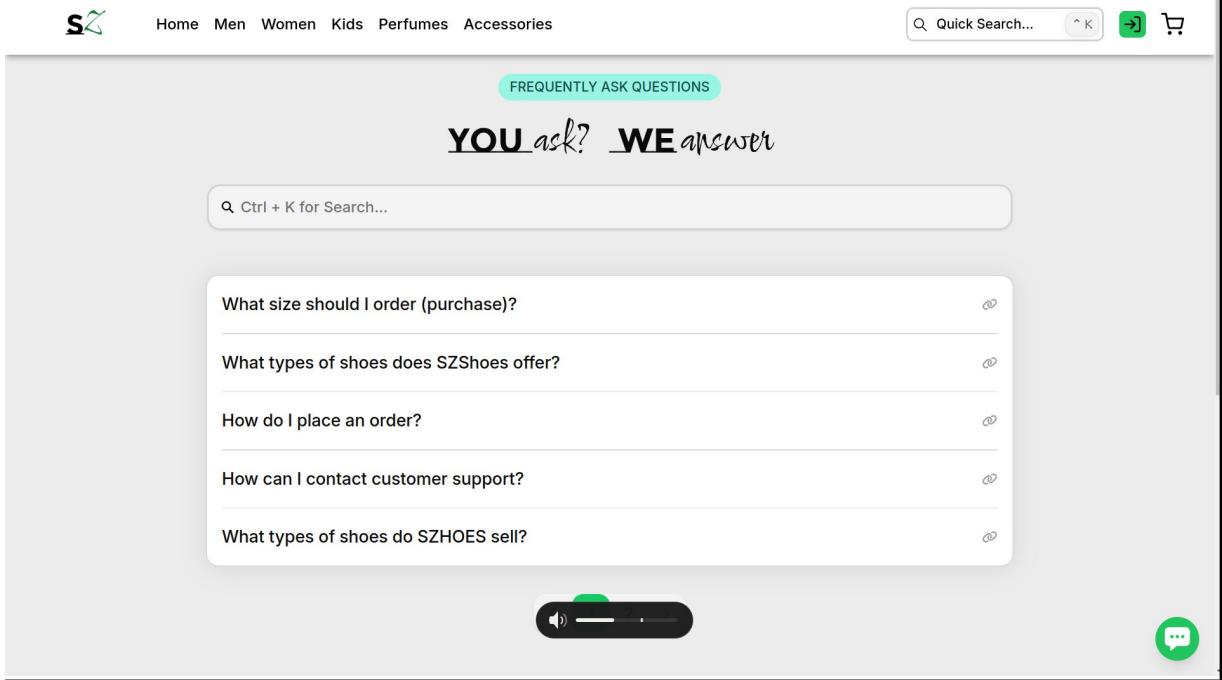


❖ Activity Diagram of Search FAQ's



SCREENSHOTS

❖ FAQ AI Assistant



The screenshot shows a web-based AI assistant interface. At the top, there is a navigation bar with a logo, 'Home', 'Men', 'Women', 'Kids', 'Perfumes', and 'Accessories'. To the right of the navigation bar are 'Quick Search...', a search icon, and a shopping cart icon. Below the navigation bar, a green button labeled 'FREQUENTLY ASK QUESTIONS' is visible. A large, stylized text 'YOU ask? WE answer' is prominently displayed. Below this, there is a search bar with the placeholder 'Ctrl + K for Search...'. A list of frequently asked questions is shown in a box, each with a small 'ask' icon to the right:

- What size should I order (purchase)?
- What types of shoes does SZShoes offer?
- How do I place an order?
- How can I contact customer support?
- What types of shoes do SZHOES sell?

At the bottom of the interface, there is a volume control slider and a green circular button with a speech bubble icon.

PHASE - 2

(Website)

PROPOSED SYSTEM

In this system,

- Customer can Register in the website
- Employee and Customer can Logged In the website
- Employee can Add Different Product and their Items
- Guest user can visit our website and find a variety of products.
- Guest user can view products without login.
- Guest user can also filter products by category of product.
- Guest user can purchase products with printing and without printing options.
- Guest can add multiple products in cart and then they can check out orders with different payment methods.
- Customer can manage his order details and see all the reports of order history
- In this system, the Employee as Admin can handle orders.
- Admin as Employee can manage all the reports, status, etc.
- Admin as Employee can manage categories, products, users, cart, order status, and etc.
- Admin as Employee can find monthly, yearly, reports from the system which can help it to grow the business

PROJECT DETAIL

❖ Features of Employee :

- o Manages Customer
- o Manages Product
- o Manages Stock of the product
- o Manages Orders, Return and Payment of the product
- o Manages Category of the product
- o Manages Review of the product
- o Manages Feedback of an e-commerce website
- o Manages Blog and FAQs of the Customer
- o Manages Employee , their attendance and their payroll
- o Manages Department of the SZhoes Company
- o Provides Chat within the SZhoes Company

❖ Features of Customer :

- o Manages their Profile
- o Manages their Notification
- o Manages their Cart and Wishlist
- o View Previously order Products
- o View Product
- o Order the Product
- o Return the Product
- o View Blog
- o Search for the FAQs / Queries
- o Give Review to the Product
- o Give Feedback to an e-commerce website

❖ Features of Guest :

- o Login to the SZhoes e-commerce website
- o Register to the SZhoes e-commerce website
- o Give Feedback to e-commerce website
- o View Product and their details
- o View Blogs
- o View FAQs

❖ Moduels (E-Commerce and ERP):

- o Customer
 - Customer register or login
 - Customer manges their personal details
 - Manages one or more address
- o Product
 - Employee create product and their items, Different variant (eg. Color, Size, Discount and Amount)
 - Create different collections of product
- o FAQ
 - Employee can add FAQ's
 - Search their relevant query
 - Use chatbot for chatting
- o Feedback
 - Guest and Customer can write feedback of website
 - Employee use feedback to make system efficeint
- o Reports :
 - Employee can generate different types of Reports.
 - Display All Reports on Employee Panel as Per Role.

TECHNOLOGY USED

❖ Front-end

o Client

- Next.js : A React-based framework that enables server-side rendering, static site generation, and optimized performance, making it ideal for building modern web applications.
- Zustand : A lightweight state management library that simplifies managing and sharing global state in React applications, offering flexibility and performance.
- SWR (Stale-While-Revalidate) : A powerful data-fetching library for React, designed for handling remote data fetching with features like caching, revalidation, and real-time updates.
- NextUI : A modern and fully customizable component library for React, offering a sleek design system to build visually appealing user interfaces.
- Framer-Motion : An animation library for React that provides smooth and intuitive animations, enhancing the interactivity and user experience of web applications.
- YUP : A schema validation library for JavaScript that simplifies form validation by defining rules for complex objects, improving data accuracy.

- **React-Hook-Form** : A lightweight library for building forms in React, focusing on performance, flexibility, and ease of use with minimal re-renders.
- **Next/bundler-analyzer** : A plugin for analyzing bundle sizes in Next.js applications, helping developers identify and optimize performance bottlenecks.
- **Progressive Web Apps (PWA's)** : A web application model that combines the best of web and mobile apps, delivering reliable, fast, and engaging user experiences with offline capabilities.
- **React-cmdk** : A command palette library for React applications, allowing developers to build intuitive and efficient keyboard-driven user interfaces.
- **Crypto JS** : A JavaScript library for implementing encryption and cryptographic functions, ensuring data security in web applications.
- **React-Pdf** : A library for rendering PDF documents in React applications, offering seamless integration and dynamic generation of PDFs.
- **React-Markdown** : A React component for rendering Markdown syntax, simplifying the inclusion of rich-text content in web applications.
- **Remark-gfm** : A plugin for react-markdown that adds support for GitHub Flavored Markdown (GFM), including tables, checkboxes, and strikethroughs.

o Server

- Flask : A lightweight and flexible Python web framework for building web applications and APIs, known for its simplicity and scalability.
- Flask-Talisman : A security-focused extension for Flask that helps secure applications by setting HTTP headers for HTTPS enforcement, content security policies, and more.
- Flask-SSLify : A Flask extension that redirects all HTTP traffic to HTTPS, ensuring secure communication between clients and the server.
- Flask-Cors : An extension for handling Cross-Origin Resource Sharing (CORS), enabling secure communication between a Flask backend and frontends hosted on different domains.
- Flask-JWT-Extended : A library for implementing JSON Web Token (JWT) authentication in Flask applications, supporting advanced features like token refreshing and role-based access control.

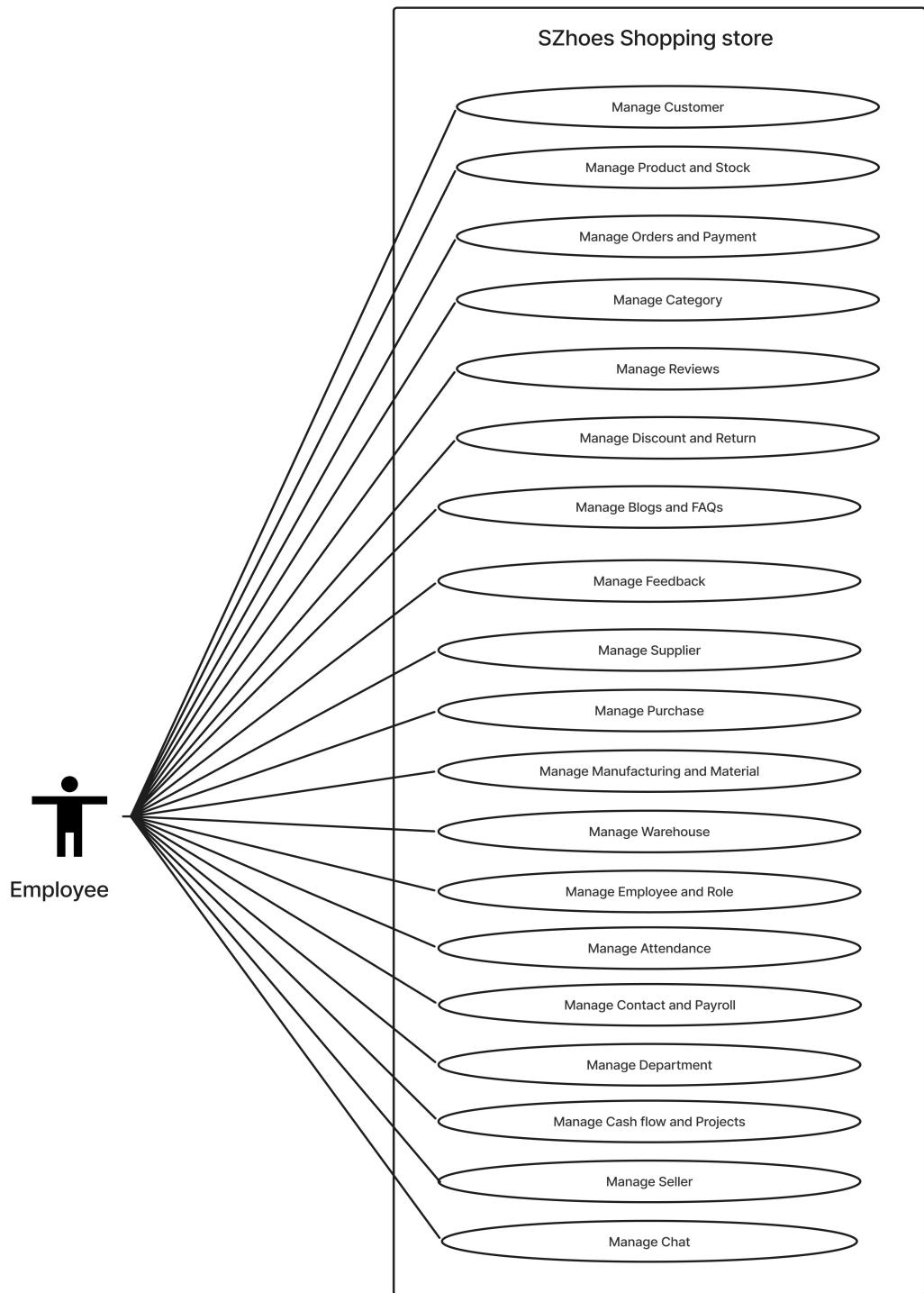
❖ Back-end

o Database

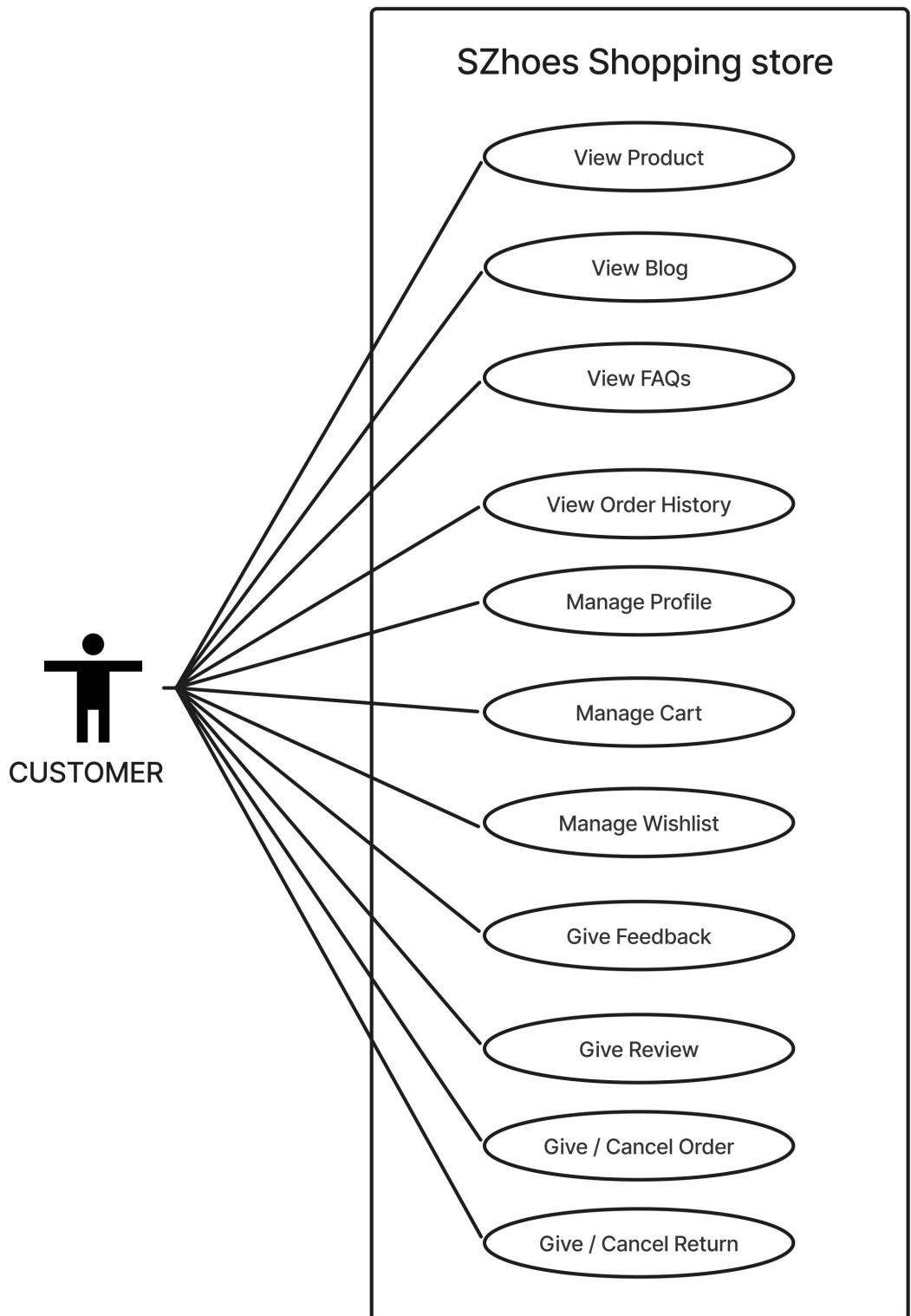
- MongoDB (NoSQL Database): A highly scalable and flexible NoSQL database that stores data in JSON-like documents, making it ideal for handling unstructured or semi-structured data.
- PineconeDB (Vector Database): A purpose-built vector database designed for managing high-dimensional vector embeddings. It excels in tasks like semantic search, recommendation systems, and natural language understanding by enabling efficient similarity searches and real-time processing of large-scale vector data.

SYSTEM DIAGRAMS

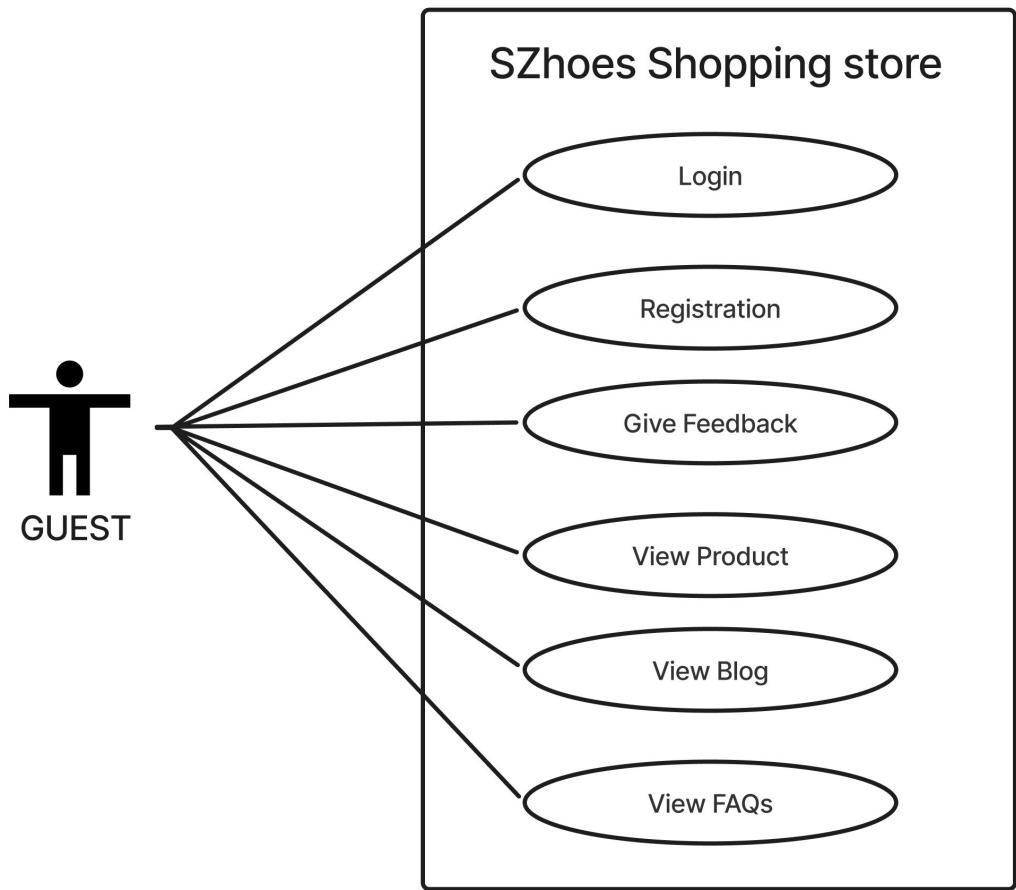
❖ Use Case Diagram of Employee



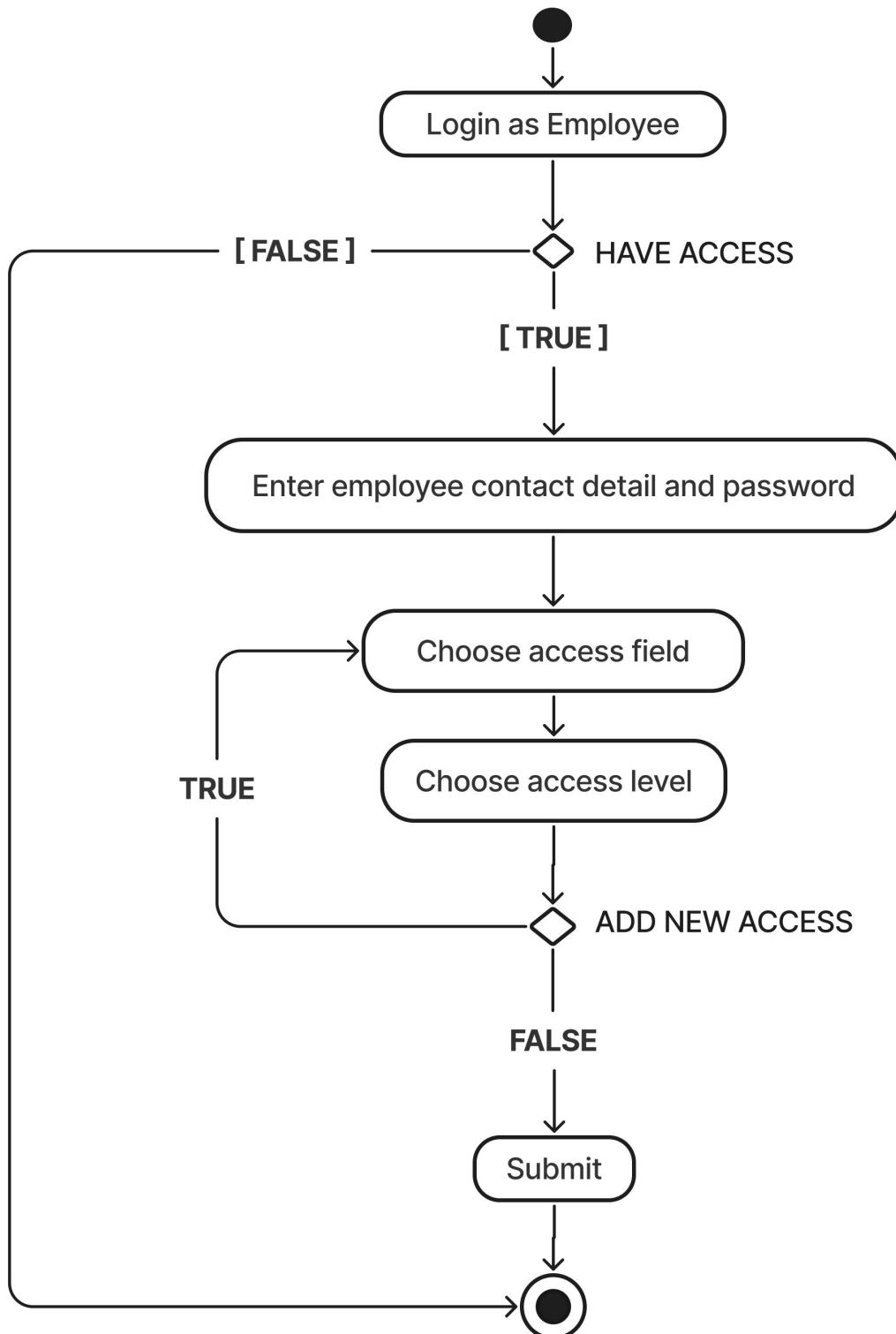
❖ Use Case Diagram of Customer



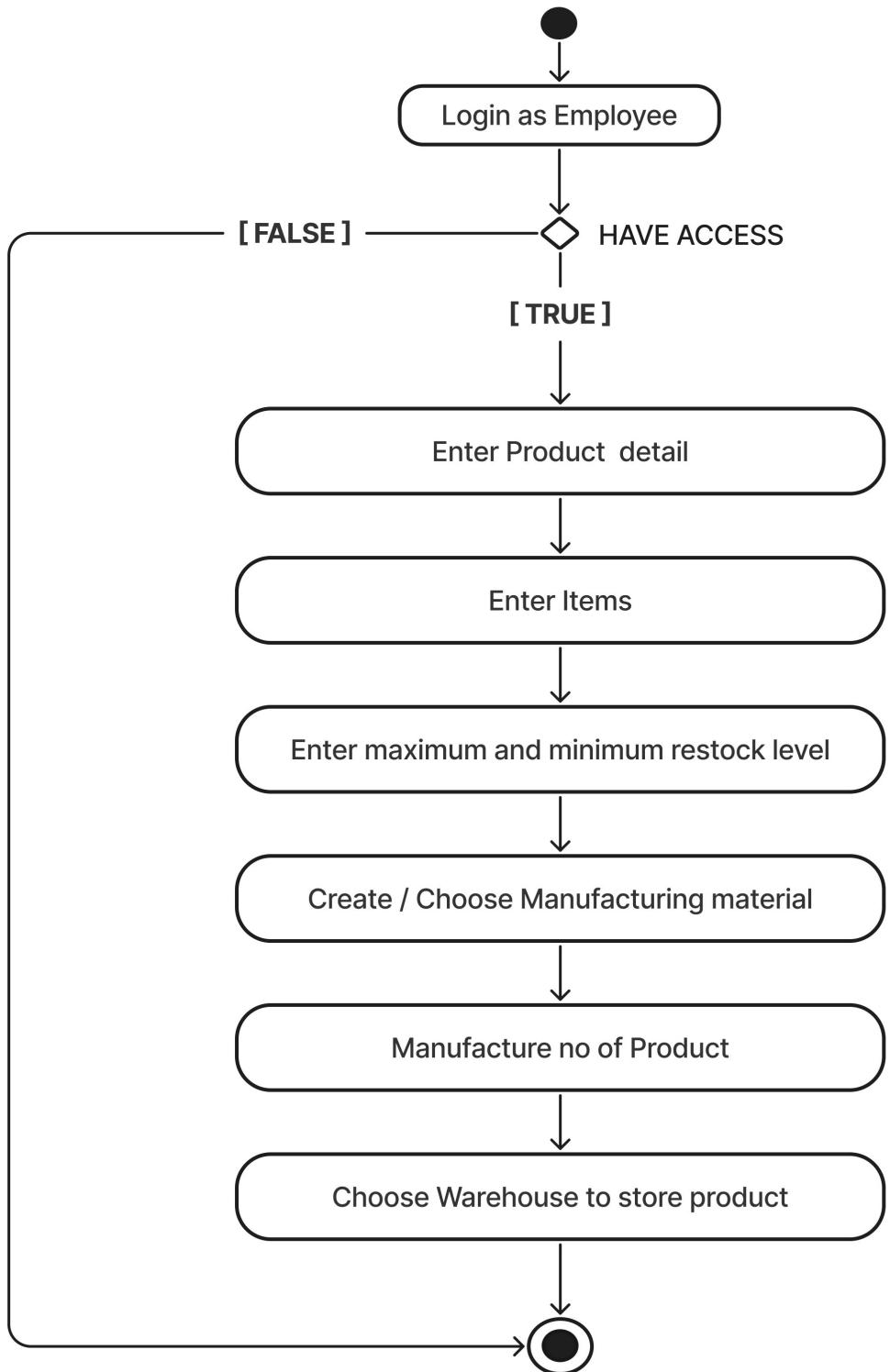
❖ Use Case Diagram of Guest



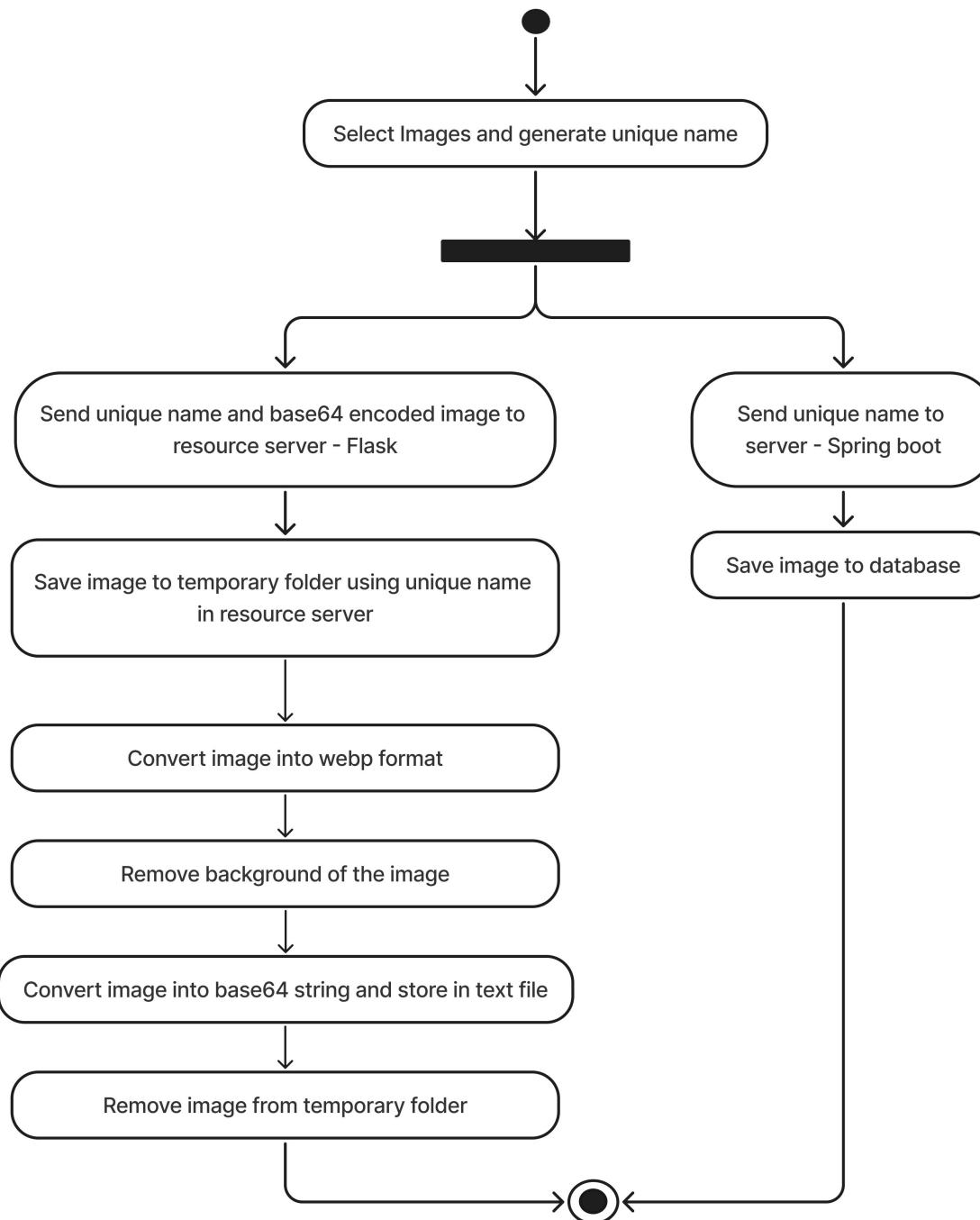
❖ Activity Diagram of Add Employee



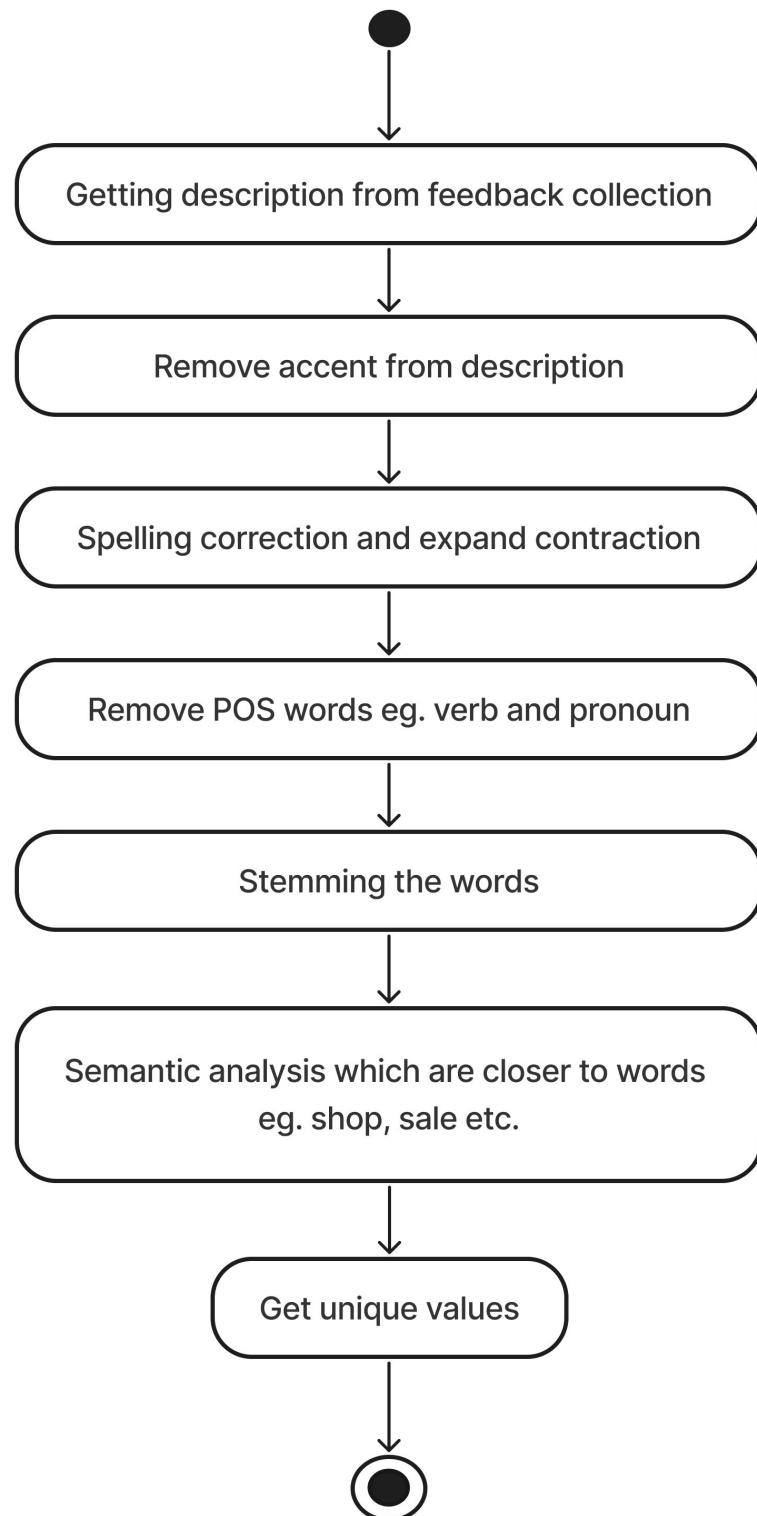
❖ Activity Diagram of Add Product



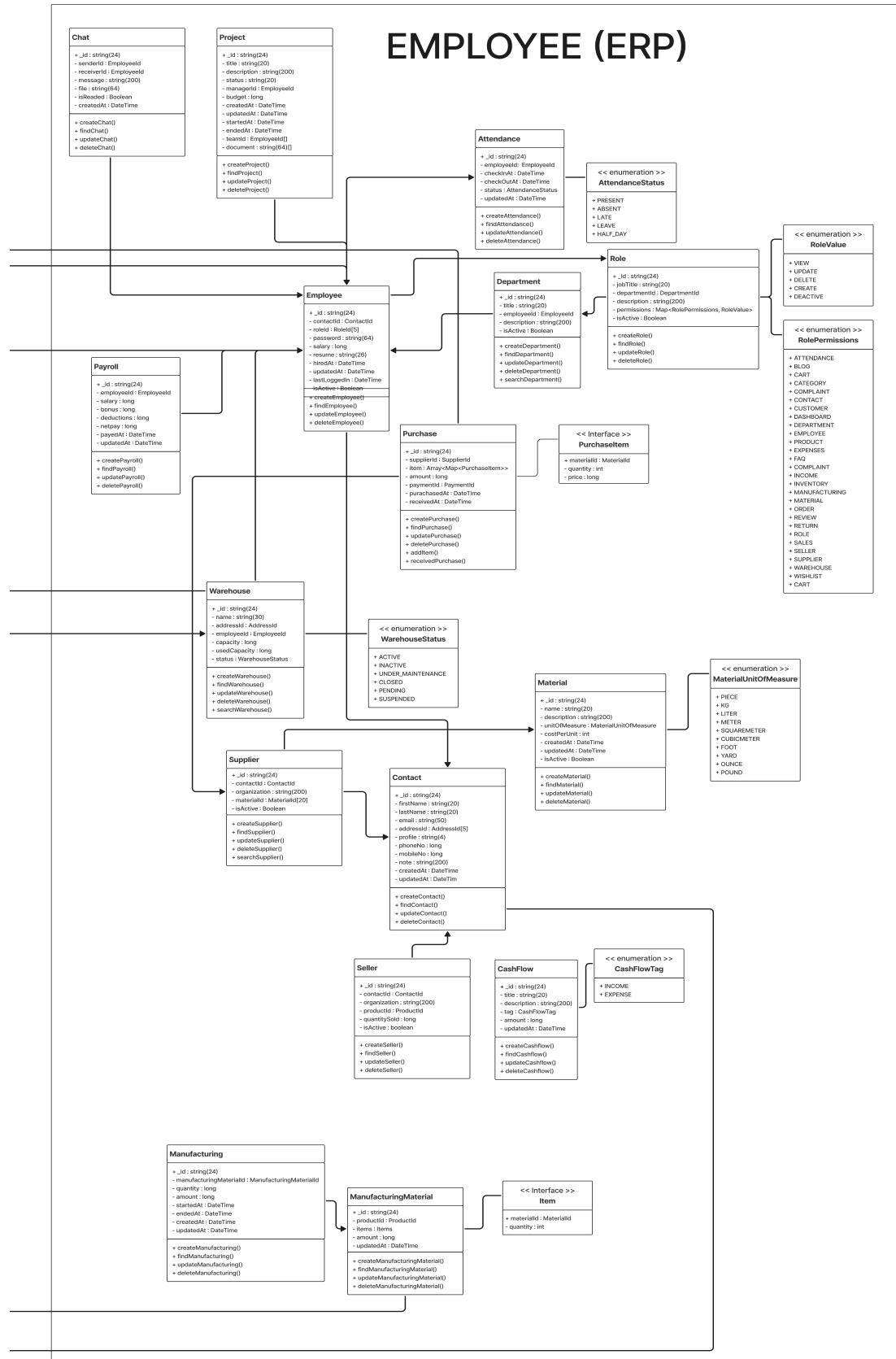
❖ Activity Diagram of Add Images



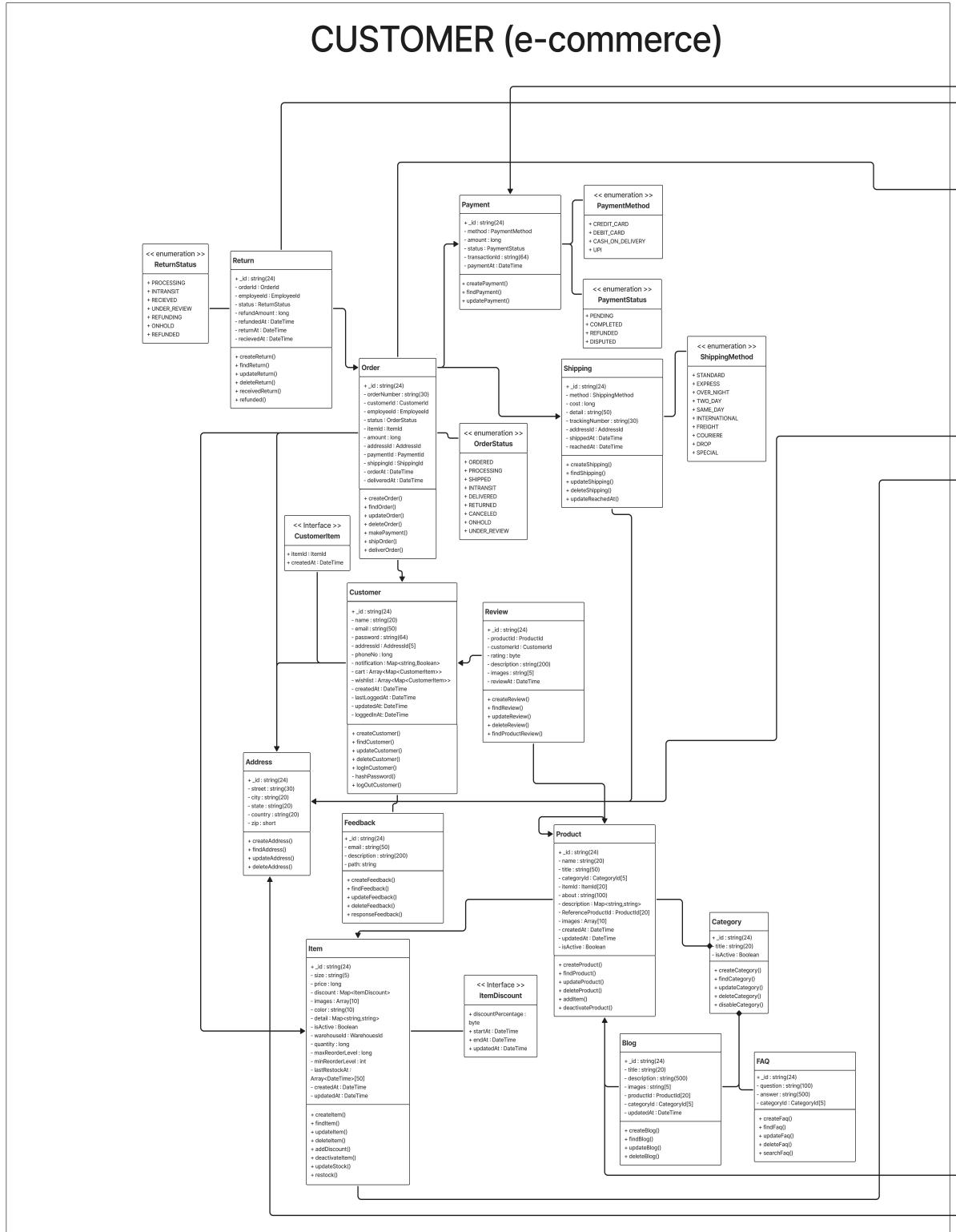
❖ Activity Diagram of Display Feedback



❖ Class Diagram of ERP

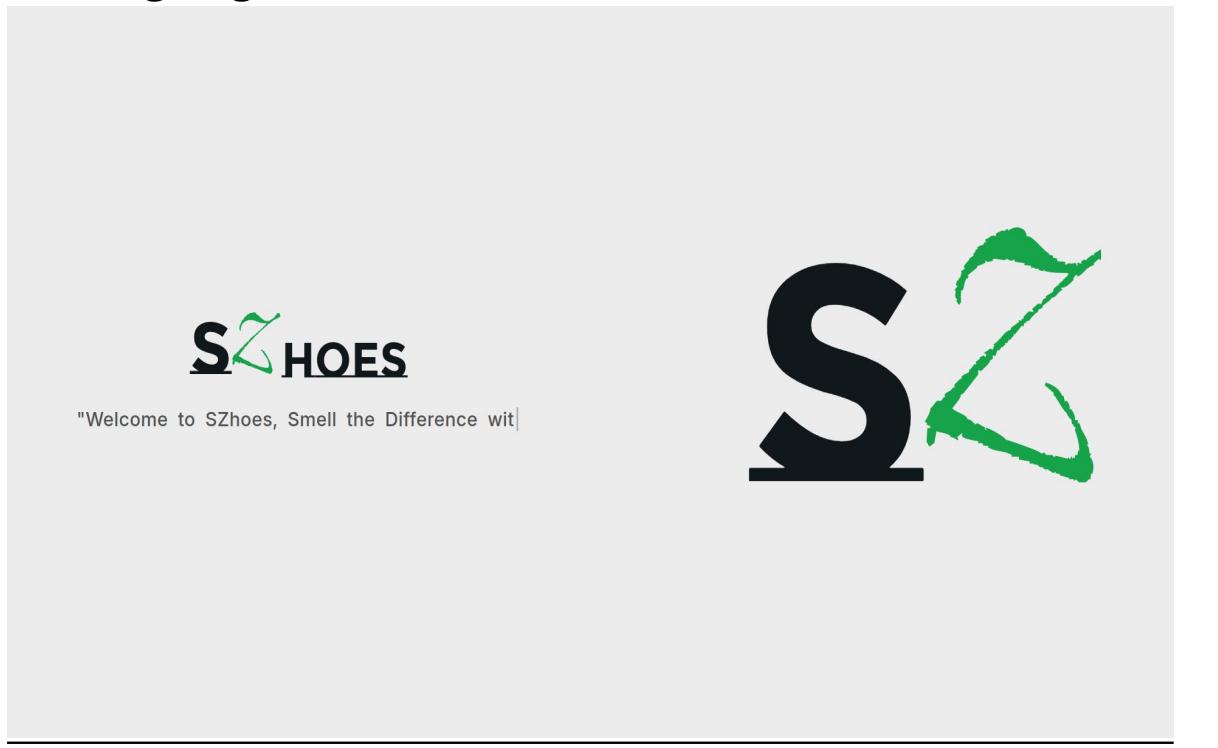


❖ Class Diagram of E-Commerce System



SCREENSHOTS

❖ Loading Page



❖ Home Page

Welcome to SZhoes,
Smell the Difference with us!

At SZhoes, we provide the perfect pair for every occasion. Enjoy fresh, innovative designs, premium comfort, and custom fits. Step out with confidence and style.

Explore Our Collection and Customize Your Fit Today!

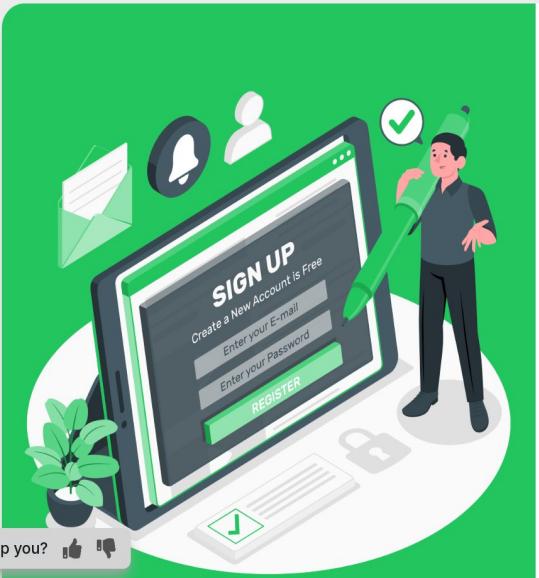
SHOP NOW

Did this page help you?

- 10%

- 80%

❖ Register Page



Did this page help you?  

localhost:3000/login

Register
Already have an account? [Login](#)

User Name*
Cody Heathcote

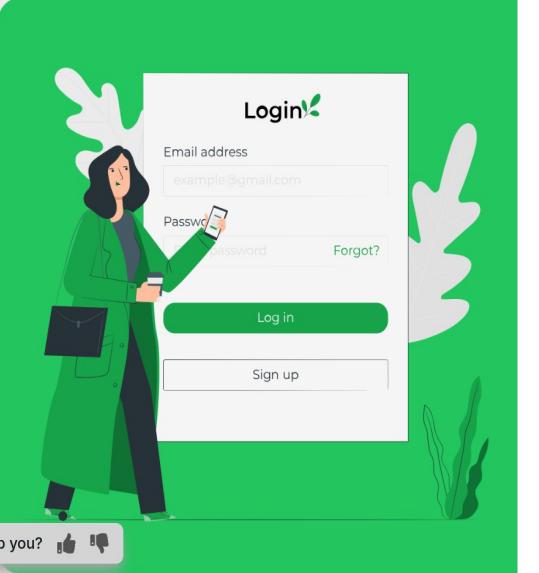
Phone number (Optional)
+912846049492

Email Address*
Estevan.Behan8@example.net

Password*
Enter 8 Characters or more 

SEND OTP

❖ Login Page



Did this page help you?  

localhost:3000/login

Login
Doesn't have an account yet? [Register](#)

Email Address*
Kelton77@example.org

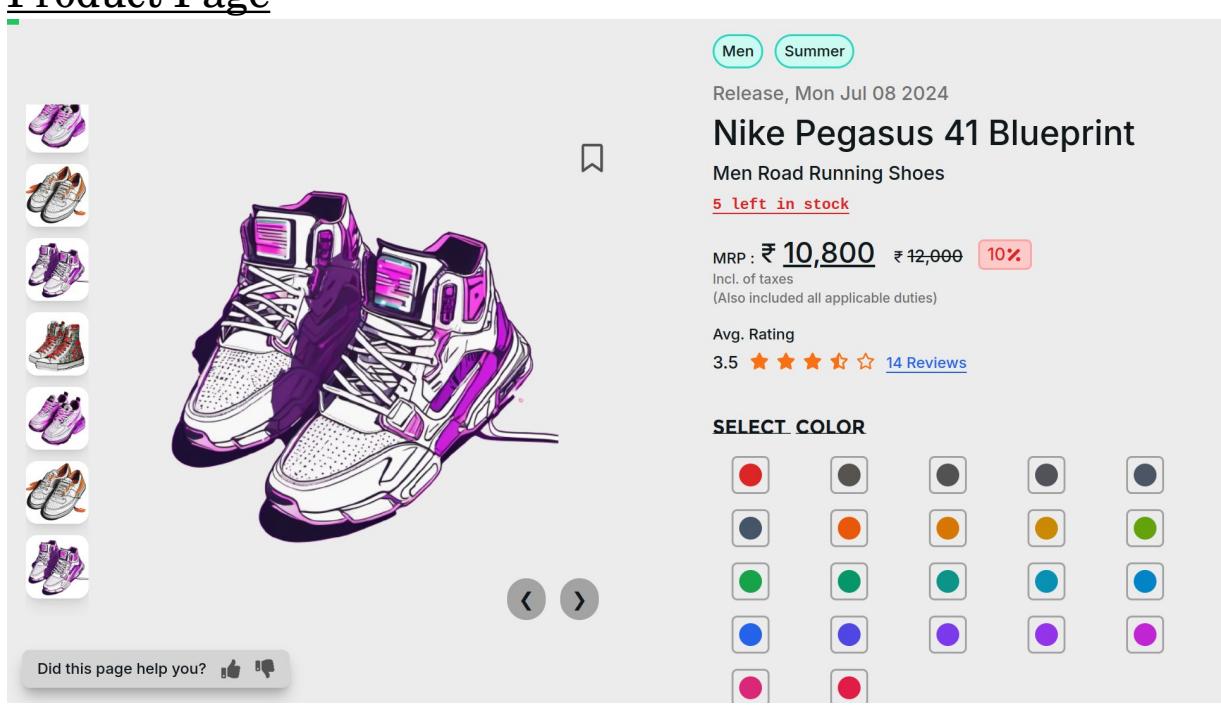
Password
Enter 8 Characters or more 

[Forgot Password?](#)

Remember me

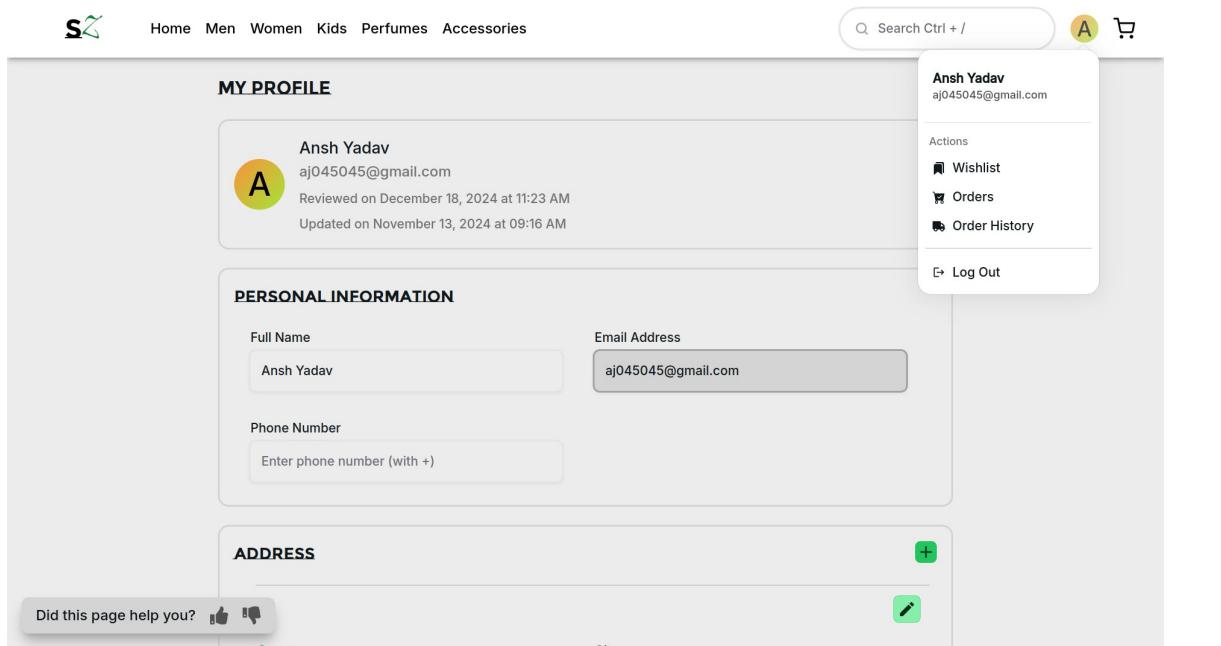
LOGIN

❖ Product Page

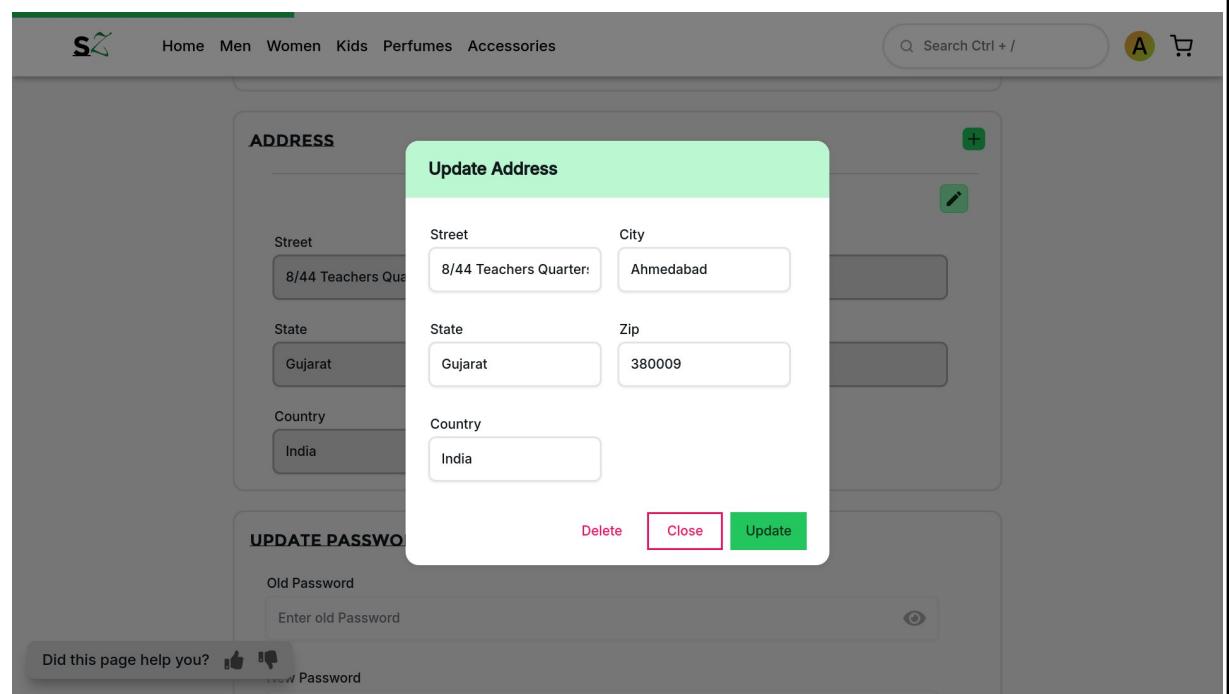
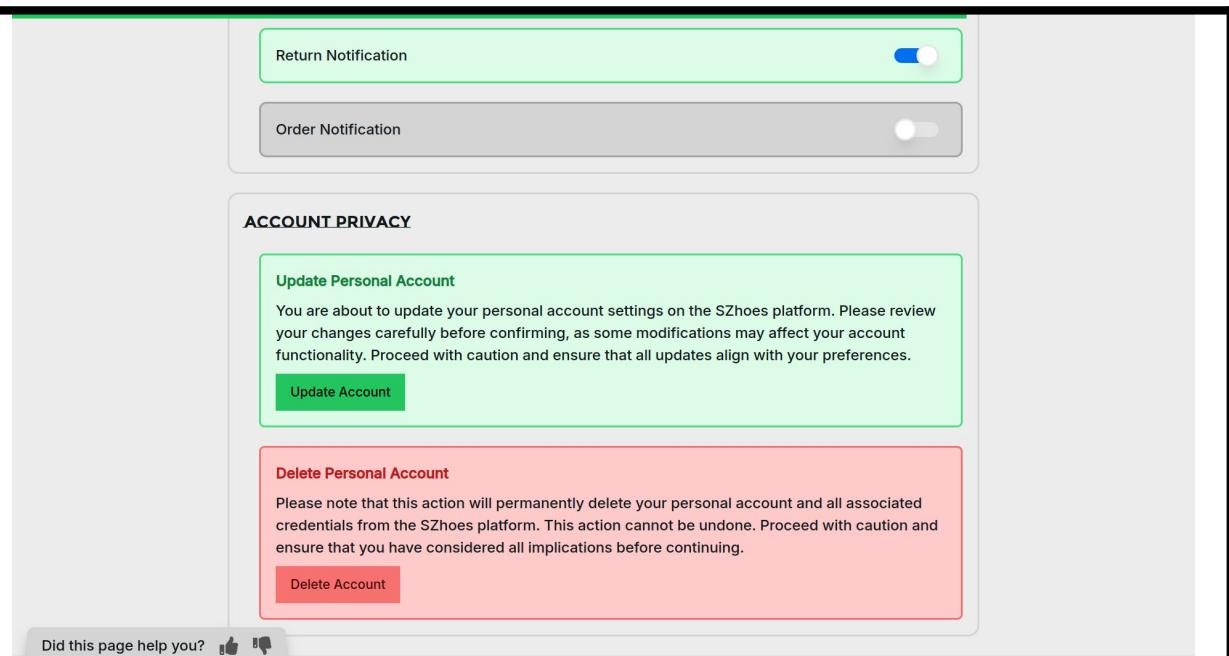


The screenshot shows a product page for the Nike Pegasus 41 Blueprint Men Road Running Shoes. The main image displays two shoes in a purple and white color scheme. To the left is a vertical grid of eight smaller shoe images. The top right corner features a bookmark icon. The top right also shows 'Men' and 'Summer' categories, a release date of 'Mon Jul 08 2024', and the product name 'Nike Pegasus 41 Blueprint Men Road Running Shoes'. It indicates '5 left in stock' with a 10% discount from '₹ 10,800' to '₹ 12,000'. Below this, the average rating is 3.5 stars from 14 reviews. A 'SELECT COLOR' section shows a grid of 24 color swatches. At the bottom left is a feedback bar asking 'Did this page help you?' with thumbs up and down icons.

❖ Customer Page



The screenshot shows a customer profile page for 'Ansh Yadav'. The top navigation bar includes a logo, a search bar, and a user icon. The main content area is divided into sections: 'MY PROFILE' (with a large 'A' icon, name, email, and review history), 'PERSONAL INFORMATION' (with fields for full name and email), and 'ADDRESS' (with a text input field and a green '+' icon). A sidebar on the right shows the user's name, email, and a list of actions: 'Wishlist', 'Orders', 'Order History', and 'Log Out'. At the bottom left is a feedback bar asking 'Did this page help you?' with thumbs up and down icons.



❖ Admin Customer Page

The Admin Customer Page displays the following information:

- No. of Customer:** 3
- NOTIFICATION SUMMARY:**
 - Delivery: 3
 - Review: 3
 - Promotional: 1
 - Return: 3
- Registered customer:** 5 (Customer count)
- Updated customer:** 0
- Recently visited customer:** 0
- Last visited customer:** 0
- Notification Preference:** 0

REGISTERED CUSTOMER: Click to view in new tab (1 Month)

Customer Chart: A grid showing customer data across 6 rows and 10 columns. The legend indicates a green dot represents a Customer.

❖ Admin Product

The Admin Product Page displays the following information:

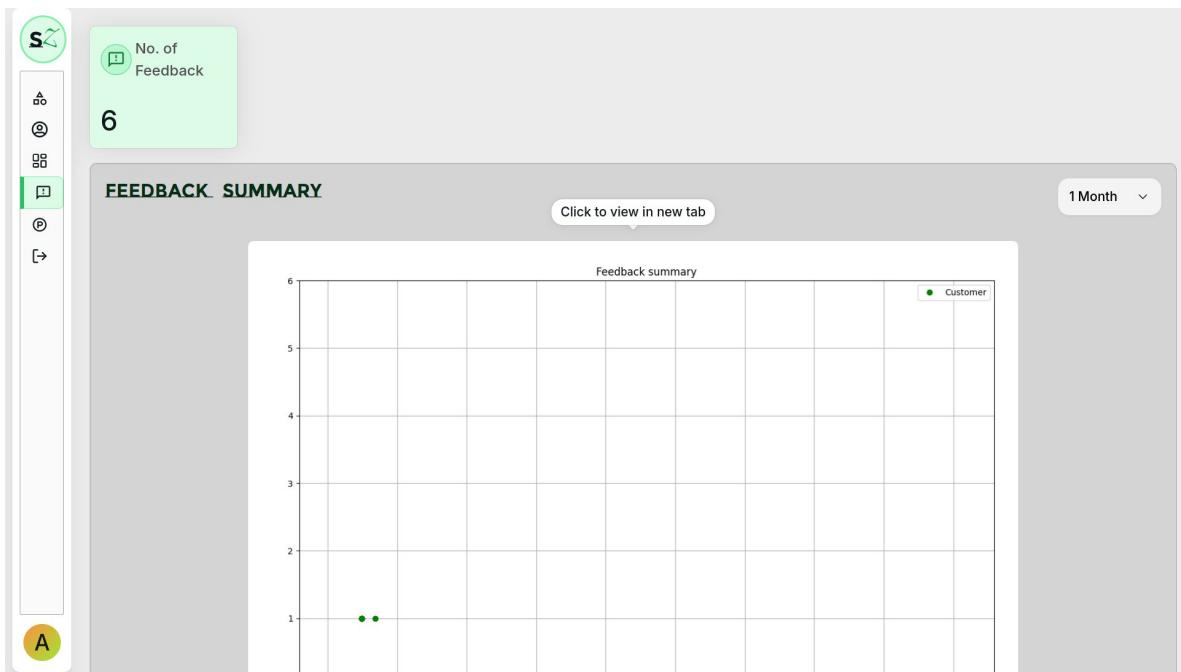
- Active Product:** 0
- Total No. of Product:** 0

PRODUCT LIST:

- The SZ series 1 items
- KIDS → Slip-on-sneakers

Add Product button

❖ Admin Feedback



All

No of Records: 6

DESCRIPTION	CREATED_AT	PATH	EMAIL	DELETE
Great selection of products, but the checkout process is a bit slow. Overall, a positive shopping experience!	November 20, 2024 At 04:59 PM	/login	aj045045@gmail.com	✖
Love the variety, but the search function could be improved. Delivery was fast and the packaging was secure.	November 20, 2024 At 05:00 PM	/login	alex045045@gmail.com	✖
User-friendly interface, easy to navigate. However, I wish there were more payment options available.	November 20, 2024 At 05:00 PM	/login	tempmail@gmail.com	✖
The website is easy to use, and the product descriptions are accurate. Delivery was on time, but could offer better discounts.	November 20, 2024 At 05:00 PM	/login	aj045045@gmail.com	✖
Impressive customer service, they helped me with my order issue quickly. Would love to see a loyalty program.	November 20, 2024 At 05:00 PM	/login	aj045045@gmail.com	✖
The website is user-friendly with a clean design and easy navigation. Product descriptions are clear, and checkout is smooth. However, more payment options and filters could improve	November 21, 2024 At 07:01 AM	/home	aj045045@gamil.com	✖

❖ Admin Category

The screenshot shows the Admin Category interface. At the top, there is a summary section with five categories: MEN (1), WOMEN (1), KIDS (1), ACCESSORIES (1), and COLLECTIONS (1). Below this is a navigation bar with links for ALL, MEN, WOMEN, KIDS, ACCESSORIES, and COLLECTIONS, and a button for 'Add Category'. A message box indicates 'No of Records: 6'. The main table lists six items with columns for TITLE, TAG, IS_ACTIVE, and DELETE. The items are:

TITLE	TAG	IS_ACTIVE	DELETE
Sneakers	MEN	<input checked="" type="checkbox"/> False	trash
Party Wear	WOMEN	<input checked="" type="checkbox"/> True	trash
Slip-On-Sneakers	KIDS	<input checked="" type="checkbox"/> True	trash
Chelsea Shoes	MEN	<input checked="" type="checkbox"/> True	trash
Winter Socks	ACCESSORIES	<input checked="" type="checkbox"/> True	trash
Winter Collections	COLLECTIONS	<input checked="" type="checkbox"/> True	trash

❖ Welcome Email

The screenshot shows a welcome email template. The header includes a logo, the subject 'WelcomeEmail', and a 'Send' button. The main content features a large 'SZ' logo, a greeting 'Welcome to SZhoes, Ansh Yadav!', and a paragraph about the brand's mission. It includes a recipient's email and creation timestamp, and a 'Discover Our Collection' section with a 'Stylish Footwear' heading and a descriptive paragraph.

Welcome to SZhoes, Ansh Yadav!

You're now part of a vibrant community of shoe and perfume enthusiasts who appreciate quality, style, and individuality. At SZshoes, we pride ourselves on offering an exceptional selection of footwear and fragrances to elevate your wardrobe and enhance your personal style.

Email: gj045045@gmail.com

Created At: September 27, 2024 at 11:18 AM

Discover Our Collection

Stylish Footwear:

Whether you're looking for chic heels, comfortable sneakers, or versatile sandals, our curated collection has something for every occasion. We source our shoes from top brands known for their craftsmanship and design, ensuring you not only look great but feel great too. From everyday essentials to statement pieces, you're sure to find the perfect pair to express your unique

✉️ **WelcomeEmail** ⚙️ ↻ ⌛ Send

Get Started

To dive into our exciting collection, log in to your account and start browsing today! If you have any questions or need assistance, our support team is ready to help you at [support email or phone number].

Ready to get started? Here's how you can get start:

Step 1 Go to the website by clicking the login in now button
Step 2 Log In the SZhoes using email Id and password
Step 3 Add New Address
Step 4 Order Product
Step 5 Continue Shopping

[Click to log in now!](#)

Happy shopping, and welcome again to the SZShoes family!

Best regards,
SZhoes Company Pvt. Ltd.

❖ OTP Email

✉️ **OTPEmail** ⚙️ ↻ ⌛ Send



Verify your email

Hi Ansh Yadav

Use this code below to Register in SZhoes

[6yAP8J7](#)

The code will expire in 5 minutes

This code will securely Register using
aj045045@gmail.com

If you didn't request this email, there's nothing to worry about, you can safely ignore it.

FUTURE WORK

1. Integrating Cloudinary
2. Log Creation
3. Log Analyzer
4. Product Recommendation
5. Product Chatbot

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3. Typescript - <https://www.typescriptlang.org/>
4. Flask- <https://flask.palletsprojects.com/en/3.0.x/>
5. Next UI - <https://nextui.org/>
6. Google Font - <https://fonts.google.com/>
7. Mongo DB - <https://www.mongodb.com/>
8. W3 school - <https://www.w3schools.com/>
9. BERT Explaination
(<https://towardsdatascience.com/bert-explained-state-of-the-art-language-model-for-nlp-f8b21a9b6270?gi=b81f3ce2eb21>)