



# CLOTHING- STORE

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# Project Goals

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1

Develop a web-based clothing store.

2

Implement user authentication and authorization.

3

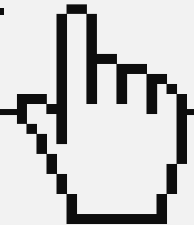
Provide an admin panel for managing products.

4

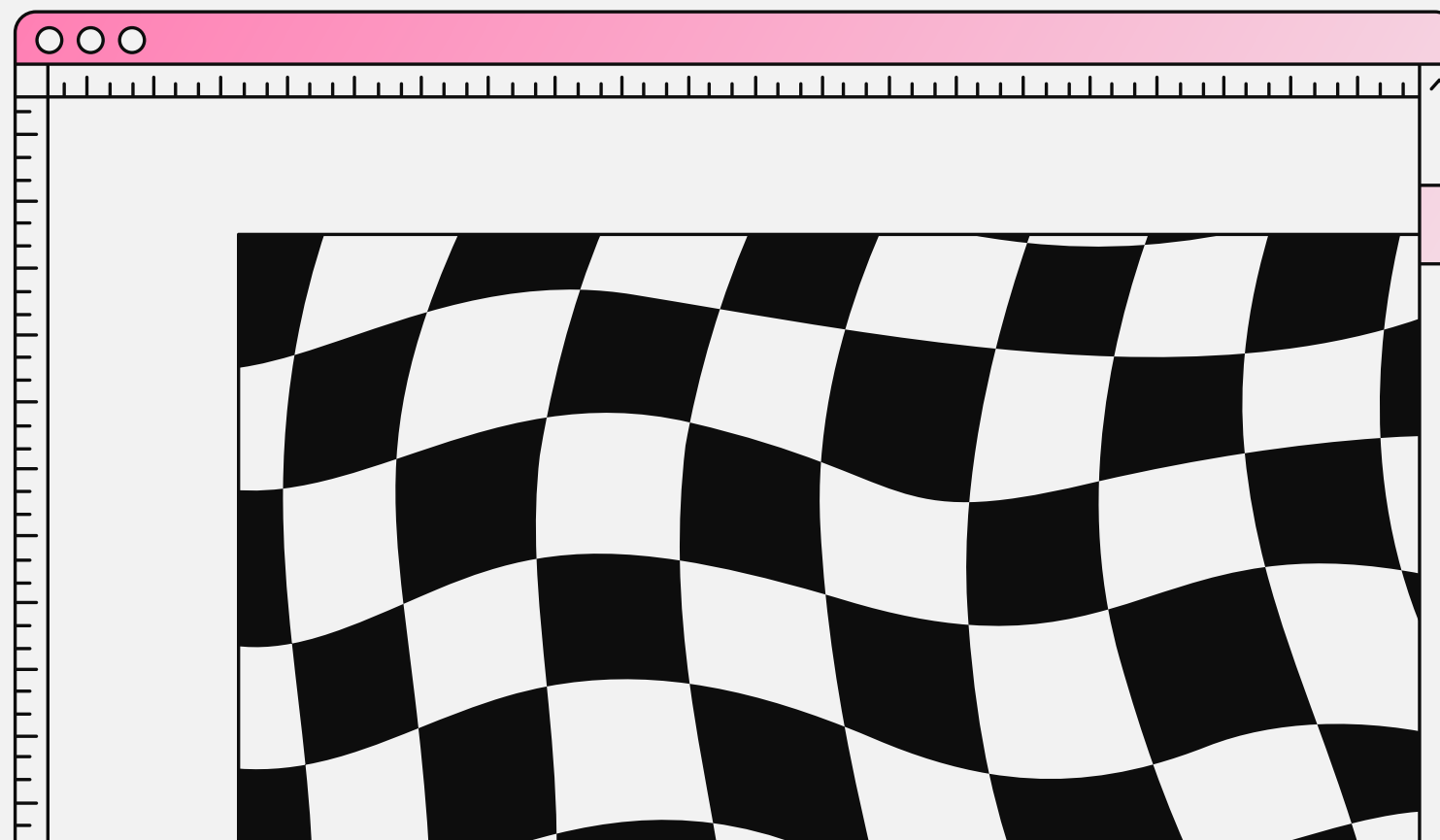
Enable customers to browse products and place orders.

5

Ensure a responsive and user-friendly design.



# Technologies Used



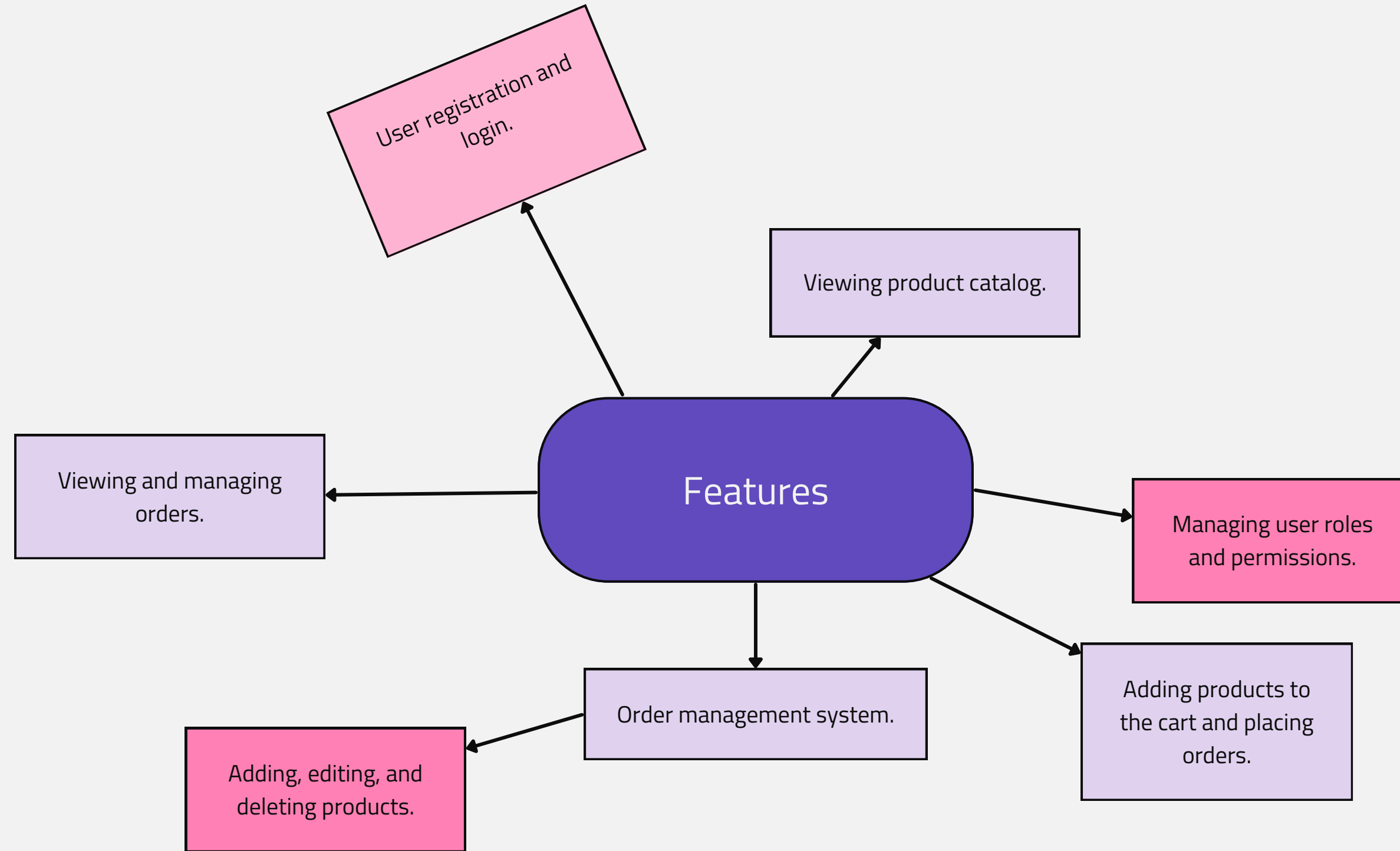
Authentication: JWT (JSON Web Token)

Frontend: HTML, CSS, JavaScript

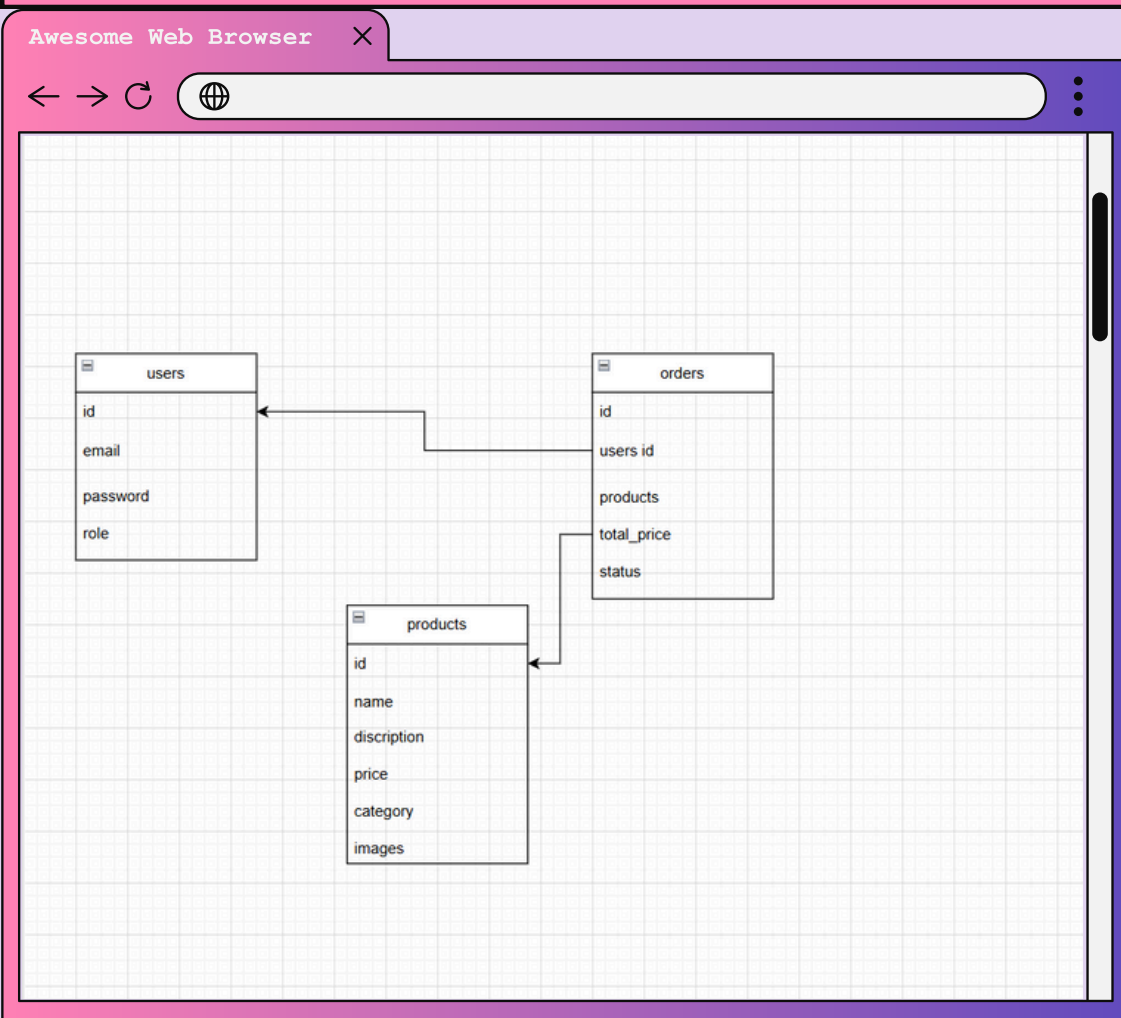
Backend: Node.js, Express.js

Database: MongoDB

Development Tools: VS Code, Postman, Git,  
Draw.io (for database design)

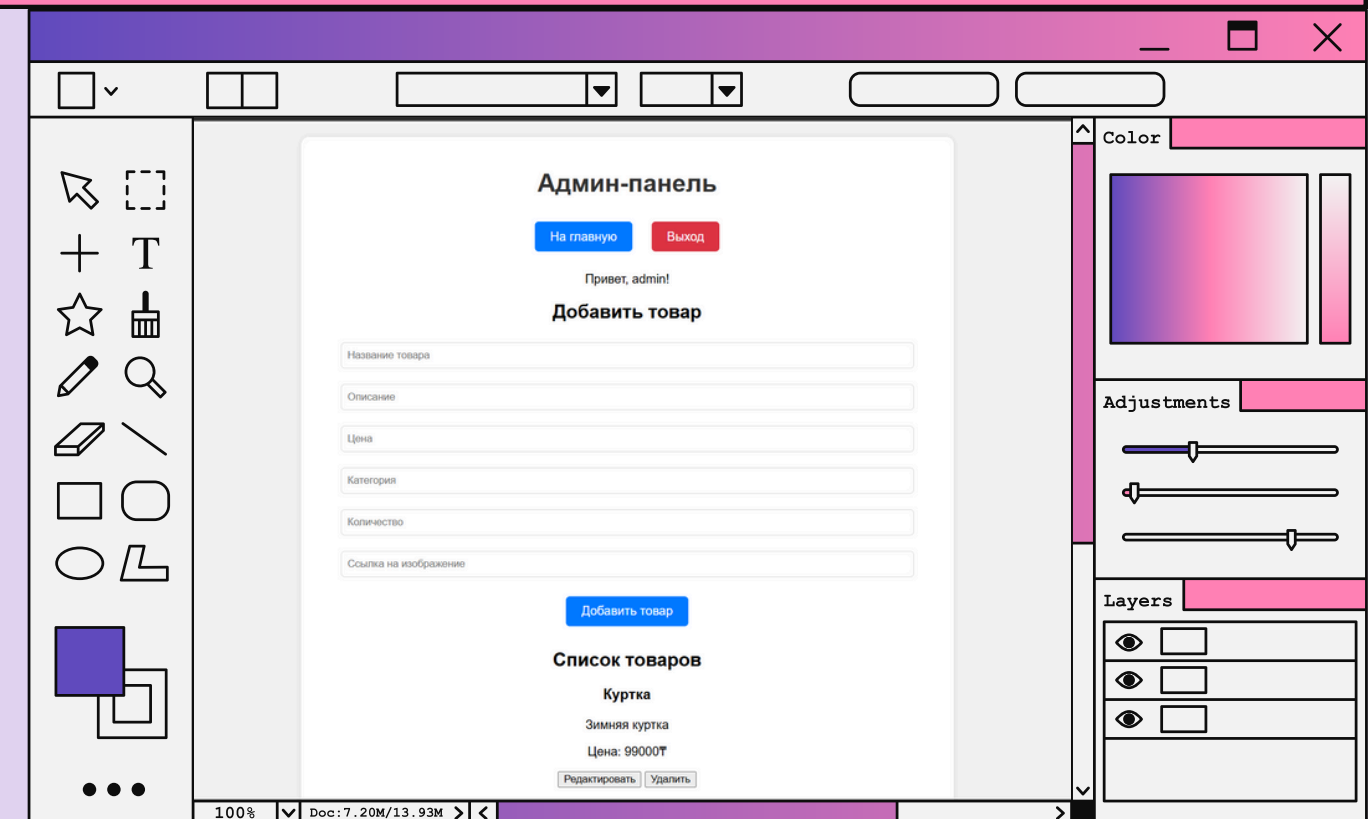






## Database Design

- Collections: Users, Products, Orders
- User Collection: ID, Email, Password, Role
- Product Collection: ID, Name, Description, Price, Category, Stock, Images
- Order Collection: ID, UserID, Products (Embedded Documents), Status

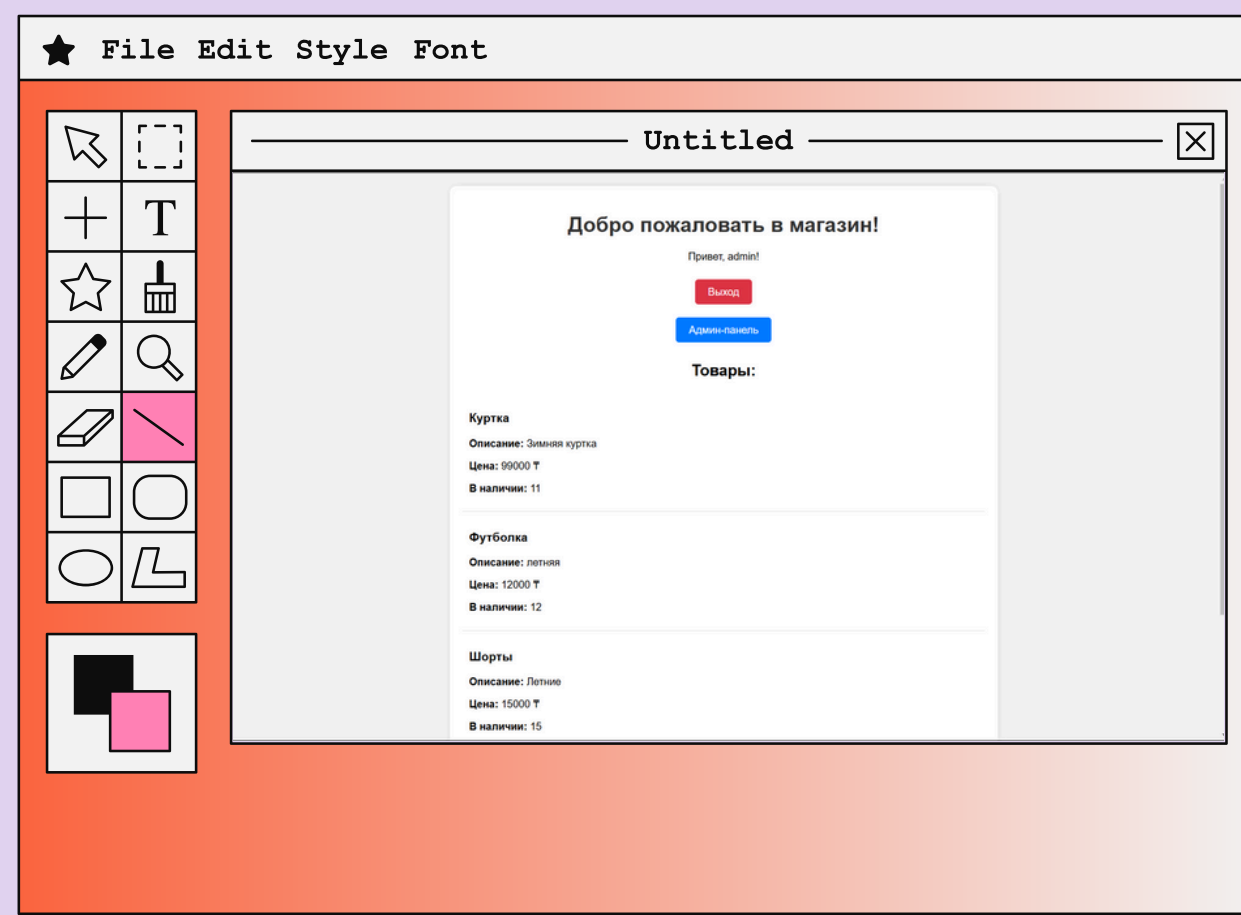


## Challenges Faced

- Implementing authentication and role-based authorization.
- Database schema design and optimization.
- Handling product images efficiently.
- Ensuring smooth communication between frontend and backend.

## System Workflow

1. User registers and logs in.
2. Users can browse the store and add items to the cart.
3. Orders are placed and stored in the database.
4. Admin manages products and orders.
5. Secure authentication ensures role-based access.



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# Future Enhancements

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- Develop a mobile application for the store.
- Implement user reviews and ratings.

PROGRESS

LOADING...

STOP

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Add product search and filtering.

Implement payment integration (e.g., Stripe, PayPal).



