

BAG & GO

A Cashierless Shopping Experience

Beran Orkan Işık

Miraç Merthan Durdağ

Yiğit Güriş

Yiğit Alp Bilgin

Kerem Er

Cemal Yılmaz

Ceren Birsu Yılmaz

Ataberk Çiftlikli



Agenda

- What is our mission?
- User Case Diagram
- Our Features
- Who we are
- Technologies we have used
- Our meetings
- Customer interactions
- What we promised &
What we delivered



What Is Our Mission



Problem

Traditional checkout systems.

Traditional checkout systems

- are time consuming.
- are inefficient
- are too dependant on staff availability
- are too costly.
- requires human interaction

What is the solution



The Solution is
Bag&Go



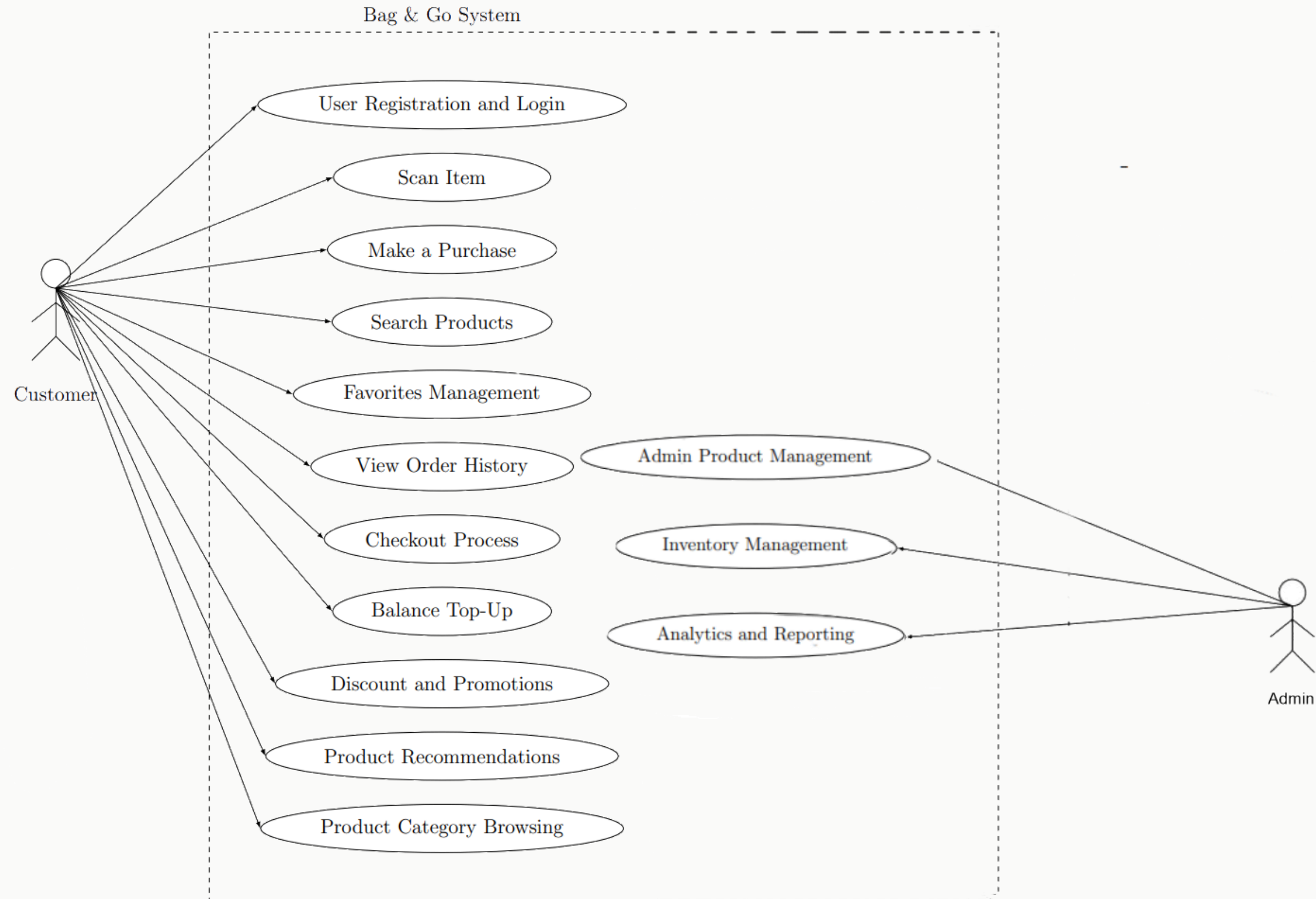
A cashierless shopping
experience!
Self-checkout using your
phones!



The Bag & Go offers:

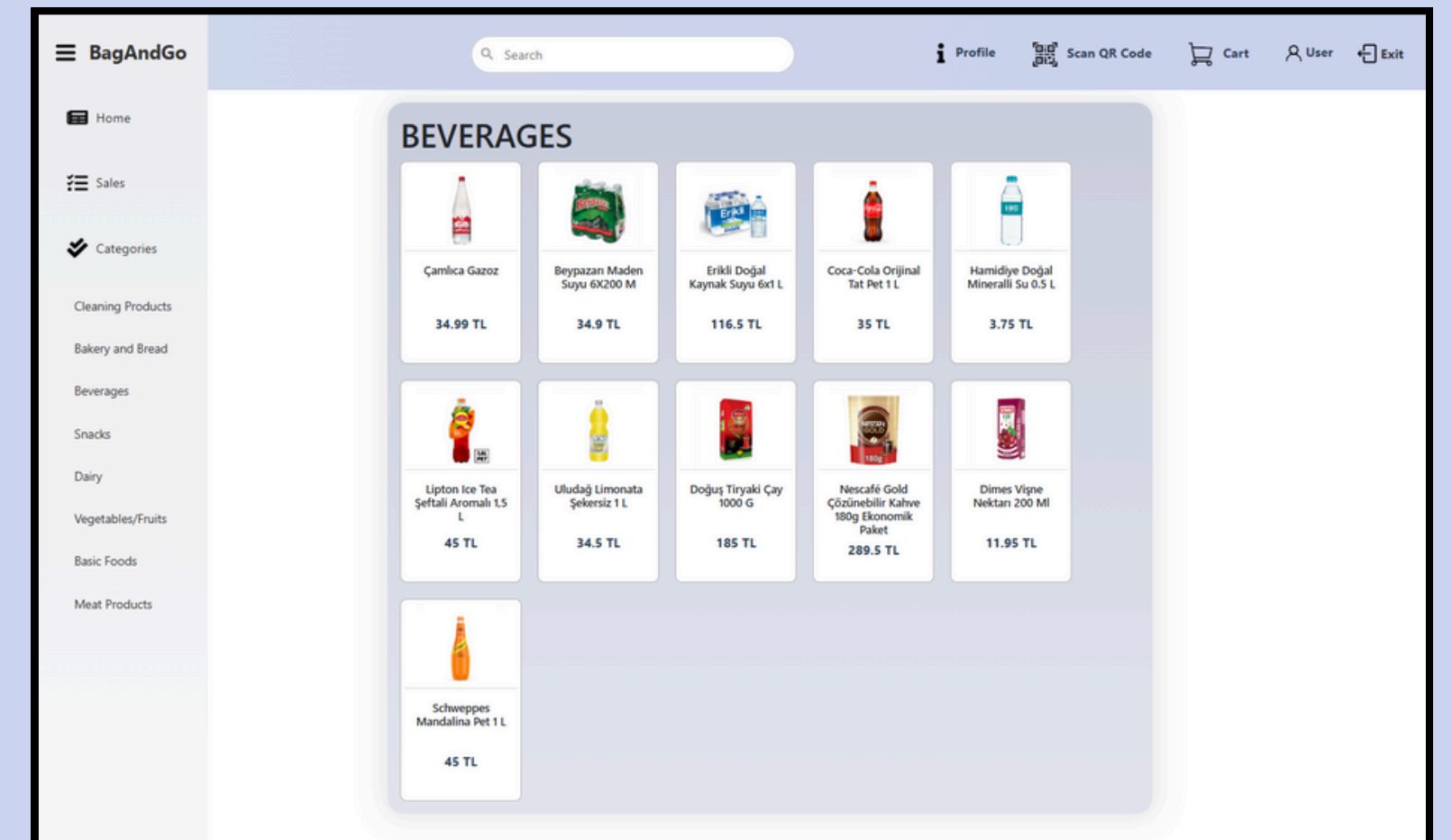
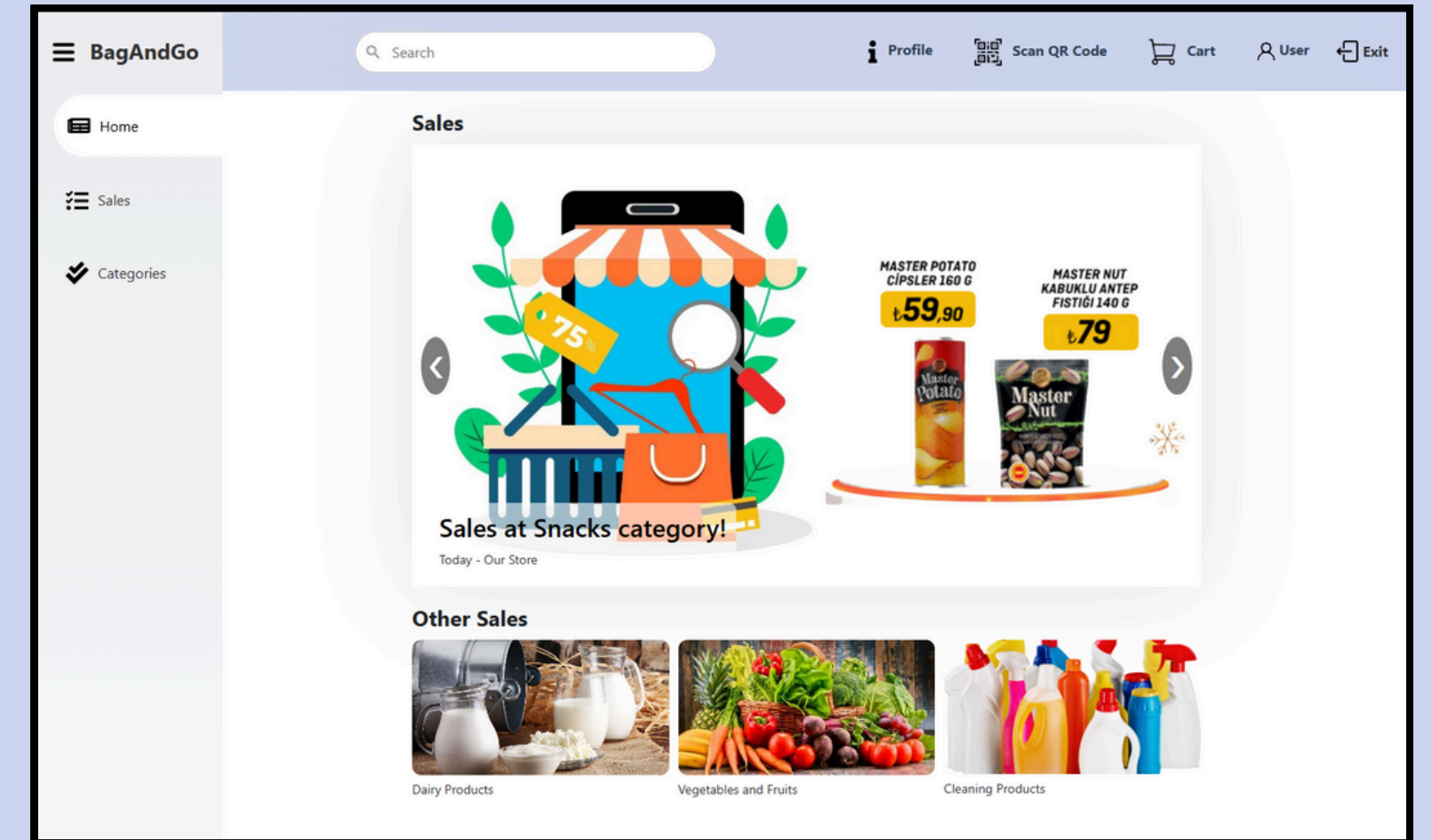
- No more times spent in lines.
- No more unnecessary human interaction.
- Less cost for the store managements.
- Easier Transaction.
- Easier product management

USER CASE DIAGRAM



FEATURES

- Secure Authorization
- Clear UI
- Dynamic Search Operations
- Sales Sub Menu
- Categories Sub Menu
- Profile Page
- Order Histoy
- Favorites Sub Menu
- QR Code Scanner
- Cart Page and Checkout



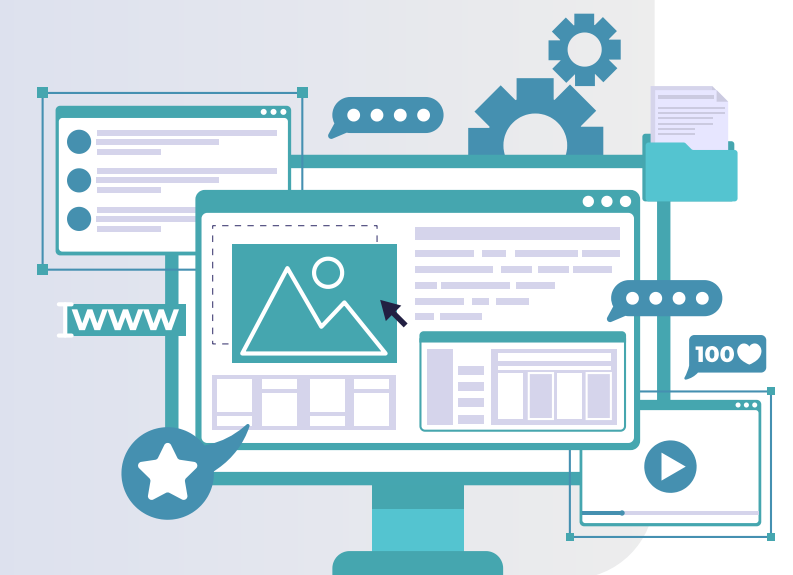
Team KING

Backend Division

- Ataberk Çiftlikli
 - DevOps
 - Subject Expert
- Beran Orkan Işık
 - DevOps
 - Back-end developer
- Kerem Er
 - Scribe
 - Back-end developer
- Miraç Merthan Durdağ
 - Back-end developer
 - Budget Manager
- Yiğit Güriş
 - Back-end developer
 - Business Analyst

Frontend Division

- Yiğit Alp Bilgin
 - Front-end developer
 - Budget Manager
- Ceren Birsu Yılmaz
 - Front-end developer
 - QA
- Cemal Yılmaz
 - Front-end developer
 - Business Analyst



PEOPLE OF

Backend Division

Ataberk
Çiftlikli

- Project Setup
- Dockerized Project
- Product API
- Product Categories API
- Register API
- Login API
- Register API
- Order History API
- Update Profile API
- Update Password API
- Cart API
- Checkout API
- Liked Products API
- Unit Testing

Beran Orkan
Işık

- Server Setup
- Dockerized Project
- Created admin accounts for server
- Unit Testing

Kerem
Er

- Product Categories API
- Login API
- Update Profile API
- Update Password API
- Unit Testing

PEOPLE OF

Backend Division

Yiğit
Güriş

- Product API
- Checkout API
- Cart API
- Liked Products API
- Unit Testing

Merthan
Durdağ

- Product API
- Checkout API
- Cart API
- Liked Products API
- Register API
- Unit Testing

PEOPLE OF

Frontend Division

Yiğit Alp Bilgin

- React and Typescript Environment Setup
- Register Page
- Login Page
- Home Page
- Sales Sub Menu
- Search Bar
- Header and Sidebar
- Cart Page
- Profile Page
- Favorites Sub Menu
- Order History Sub Menu
- Black-Box Testing

Ceren Birsu
Yilmaz

- Colour Palette
- QR Code Scanner
- Categories Sub Menu
- Black Box Testing
- White Box Testing

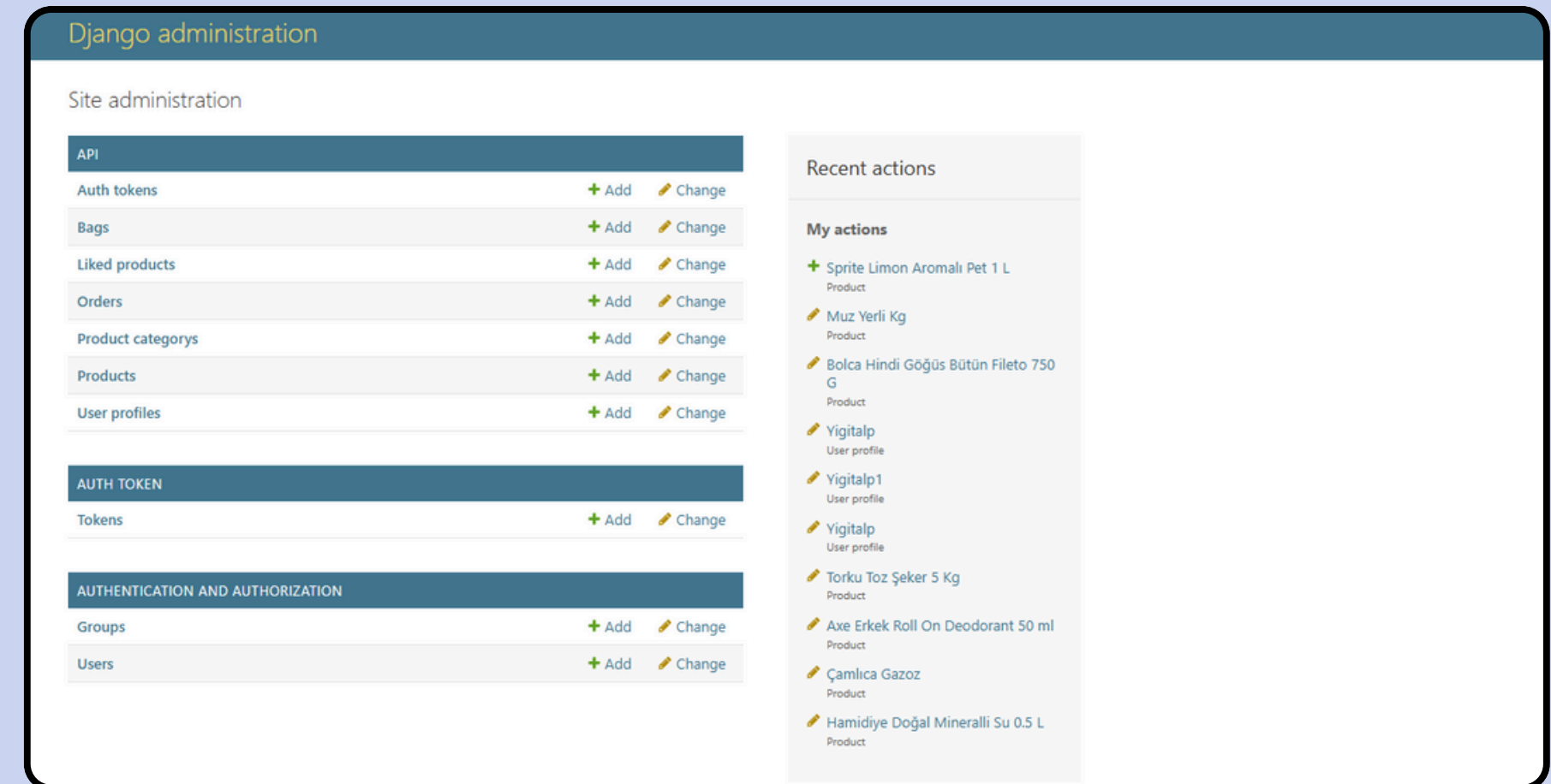
Cemal Yilmaz

- Colour Palette
- Profile Page User section
- Database population
- White Box Testing

Tools We Have Used

Backend Technologies

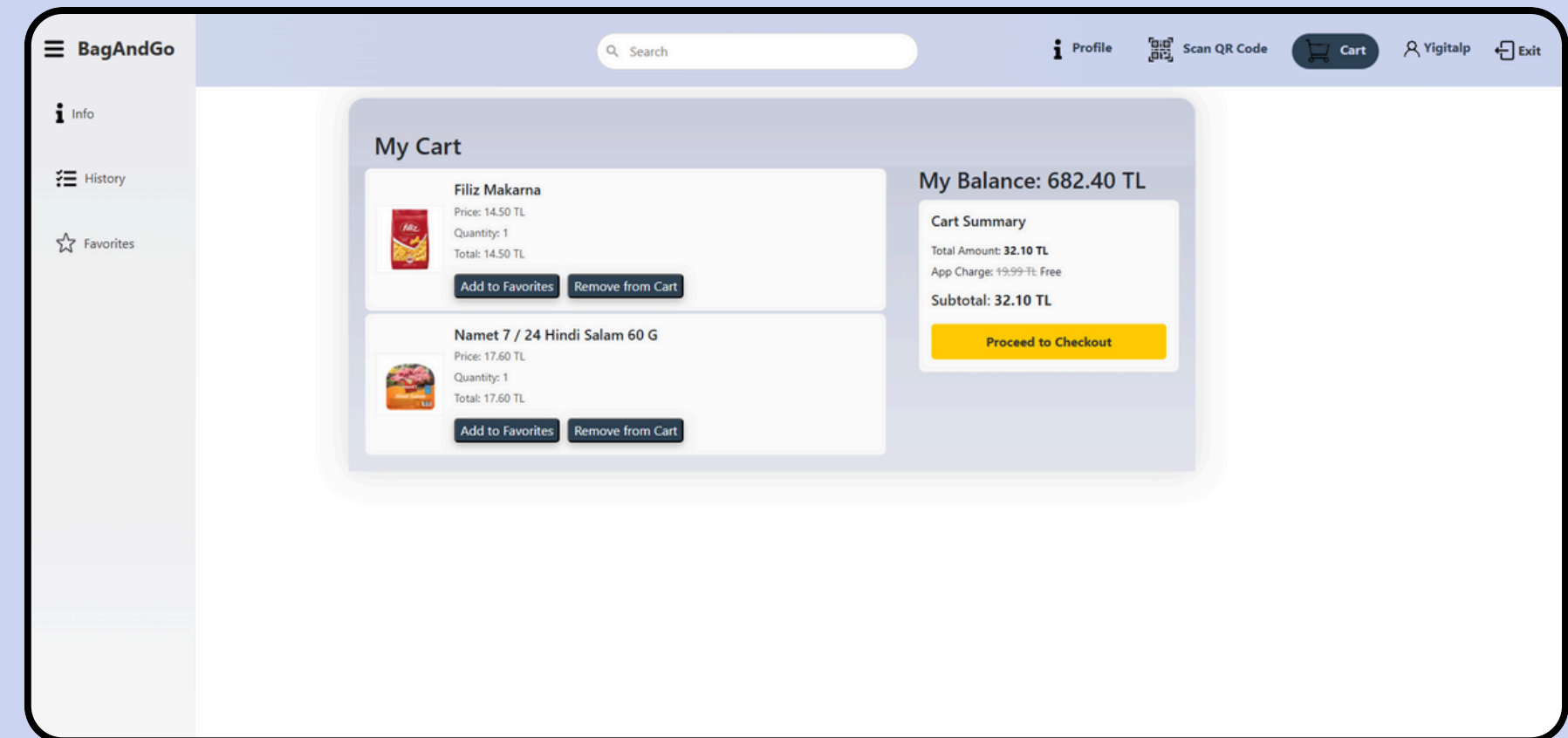
- Python Django REST Framework: Used to develop the RESTful API for the backend, providing robust and scalable server-side logic.
- SQLite Database: Chosen for its lightweight and efficient storage, ideal for the project's requirements during the development phase.
- Cloud Hosting: The backend is deployed on a cloud platform, ensuring scalability, reliability, and accessibility.



Tools We Have Used

Frontend Technologies

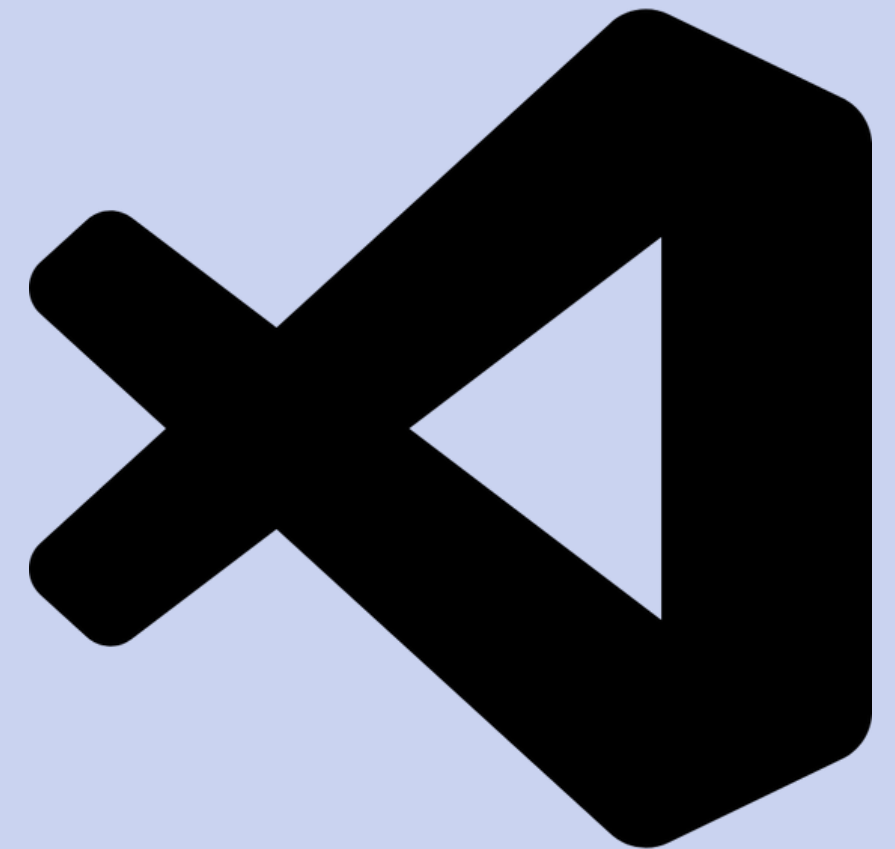
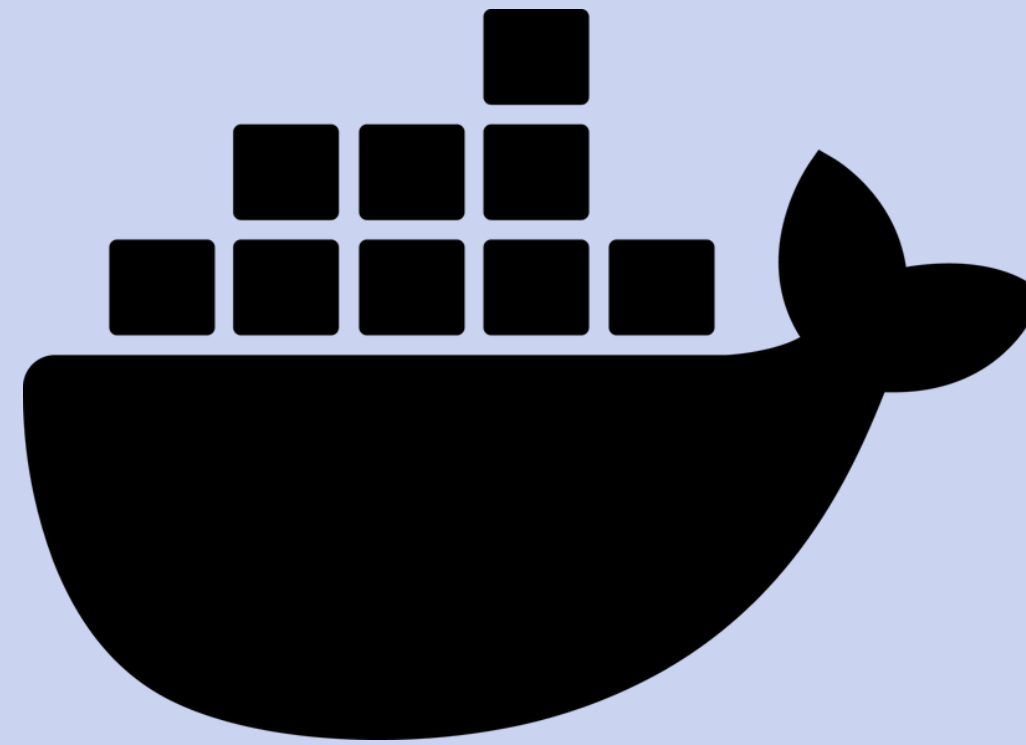
- ReactJS: Utilized to create a responsive and dynamic user interface.
- Typescript: It prevents bugs and scalability is great for large projects.
- HTML/CSS: Employed to structure and style the web interface.
- BOOTSTRAP Library: Implemented for easier styling.



Tools We Have Used

DevOps Tools

- Docker: Used to containerize the application, ensuring consistent environments across development, testing, and production.
- VSCode: The primary development environment, enhancing productivity with its extensions and integrated tools.



Tools We Have Used

Testing Tools

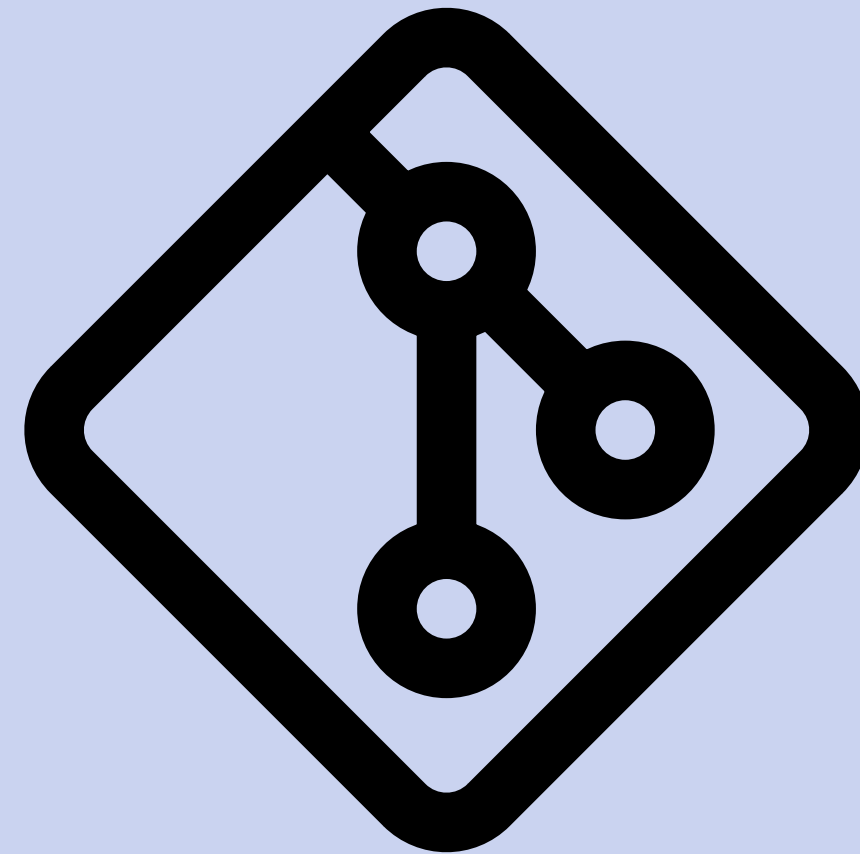
- **Postman:** Used for API testing to ensure proper functionality and adherence to requirements.
- **Django's test.py:** Leveraged for unit testing, covering individual components and backend logic



Tools We Have Used

Project Tracking and Version Control

- **GitHub Issues:** Employed as the project tracking tool to organize tasks, manage milestones, and track progress efficiently.
- **Git & GitHub:** Used for version control to maintain code integrity and facilitate collaborative development.



Our Meetings

Customer Meetings

- Customer Meeting 1 - 17.10.2024
 - Meeting On Project Plan
- Customer Meeting 2 - 31.10.2024
 - Meeting On Project Requirements
- Customer Meeting 3 - 28.11.2024
 - Meeting On Design Specifications
- Customer Meeting 4 - 26.12.2024
 - Meeting on Test Specifications
- Customer Meeting 5 - 02.01.2025
 - Meeting on final deliverables



Frontend Meetings

- Frontend Team Meeting 1 - 27.10.2024
 - Decided on the color palette.
- Frontend Team Meeting 2 - 25.11.2024
 - Divided each page into members.
- Frontend Team Meeting 3 - 08.12.2024
 - Checked on the progress.
- Frontend Team Meeting 4 - 24.12.2024
 - Finalized all pages.



Full Team Meetings

- Full Team Meeting 1 - 06.10.2024
 - Prepared the Project Charter
- Full Team Meeting 2 - 01.11.2024
 - Decided on the requirements
- Full Team Meeting 3 - 27.11.2024
 - Finalized the design specifications.
- Full Team Meeting 4 - 24.12.2024
 - Decided on the test strategy.



Customer Interactions

**Our customer
was
Elif Yıldırım**



Changes asked from us by our client:

- Asked for github issues documentation.
- 28.11.2024
- Asked for better UI design.
- 26.12.2024

Implemented Changes:

- Implemented github issues with milestones.
- 24.12.2024
- Improved the UI design.
- 26.12.2024

✓ We have addressed the changes.

Labels

Milestones

New milestone

6 Open0 Closed

Sort

Backend

No due dateLast updated 11 days ago

100% complete0 open17 closed

EditCloseDelete

Backend - User Registerization and Login

Past due by about 2 monthsLast updated 11 days ago

100% complete0 open1 closed

EditCloseDelete

Creation of the register and login api's

Backend - Profile Customization

Past due by about 1 monthLast updated 11 days ago

100% complete0 open2 closed

EditCloseDelete

User should be able to change the necessary fields.

Frontend - API Integration

Past due by 12 daysLast updated 11 days ago

100% complete0 open17 closed

EditCloseDelete

Complete the full integration of the APIs that were developed by the backend team to bring functionality to the finished pages.

Frontend - Design

Past due by 26 daysLast updated 11 days ago

100% complete0 open10 closed

EditCloseDelete






Complete the design of the website pages using the necessary tools (HTML, CSS, REACT, TYPESCRIPT).

Frontend Setup

Github Issues

CLEANING PRODUCTS					
					
Ariel 300 TL	Getwell Karma Yara Bandı 20'li 14.95 TL	Signal Beyaz Güç Diş Fırçası 44.95 TL	Clear Men Şampuan 350 ml 159.95 TL	İpek Kulak Çubuğu 100'Lü 21.95 TL	Dalan Family Sıvı Sabun Zeytin Mucizesi 3 L 104.95 TL



Favorites				
				
Filiz Makarna 14.5 TL	Çamlıca Gazoz 34.99 TL	Dido Sütlu Çikolatalı Gofret 35 G 16.5 TL	Ariel 300 TL	Namet 7 / 24 Hindi Salam 60 G 17.6 TL

Modified UI



We used what we planned

Project Charter

Technology Stack

Project-Configuration Management:

- Git, Docker, VsCode

Backend stack:

- Python, SQL, Postman

Frontend stack:

- HTML/CSS, ReactJS, Typescript

Developed Project

Technology Stack

Project-Configuration Management:

- Git, Docker, VsCode

Backend stack:

- Python (Django)
- SQL (SQLite)
- Postman (for testing api)

Frontend stack:

- HTML/CSS, ReactJS, Typescript



We developed everything we have planned and even more

Project Charter

Designated features:

- Registration and login page
- Basic identity verification system
- QR code reader for scanning items
- Digital receipt for each purchase
- The amount spent will be deducted from the balance users
- Admin page for adding, removing products and other changes
- Categories for items
- Page for discounted items
- Search bar

Developed Project

Implemented features:

- Detailed user management
- T.C. verification system
- QR/barcode reader for scanning items
- Digital receipt for each purchase
- Balance system
- Detailed admin panel
- Categories
- Page for discounted items
- Live search bar
- Liked products
- and more...

Thank you for listening!

