

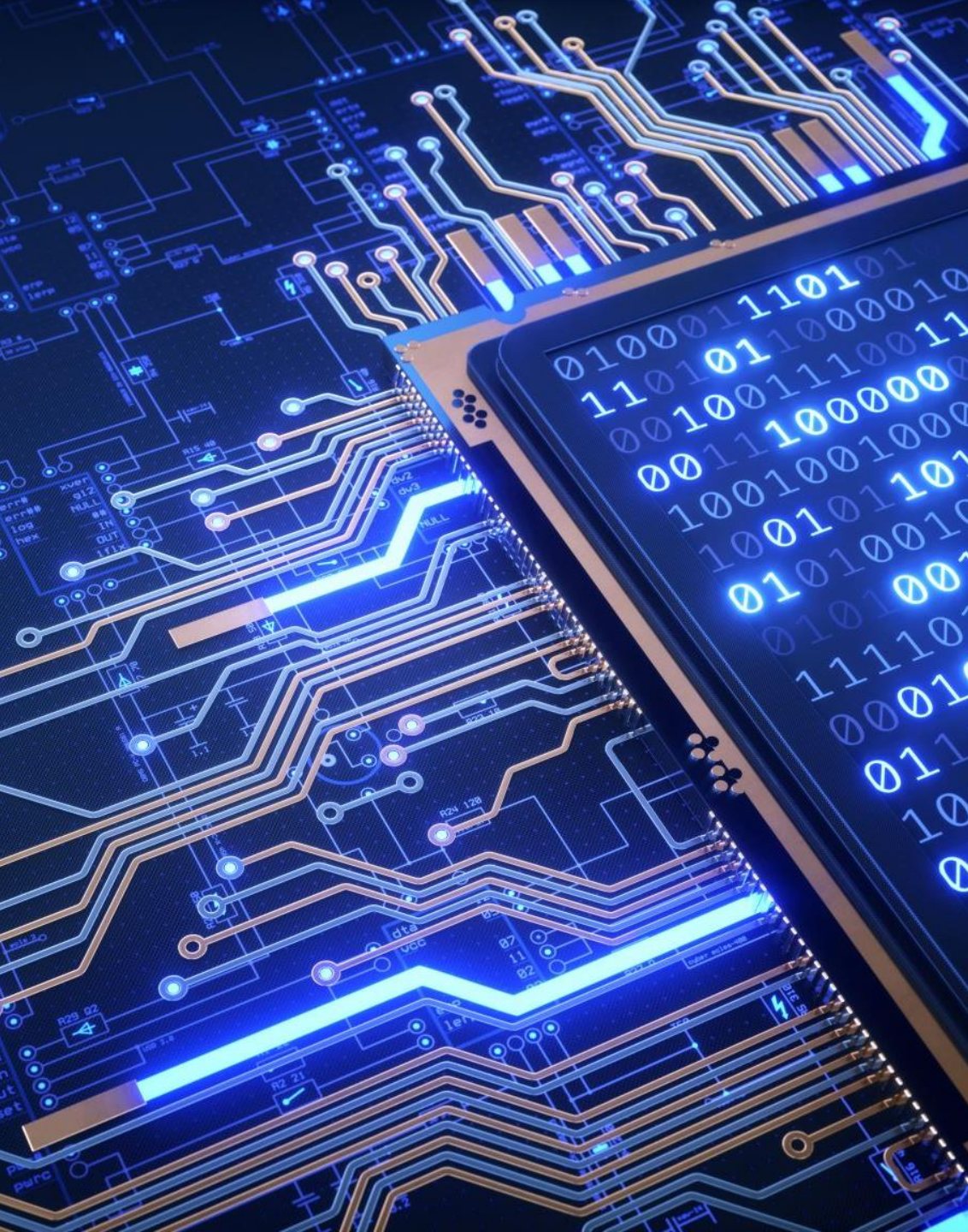


App blueprint Web applications

Grupo 30

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Miguel José N°57875



Project Phases

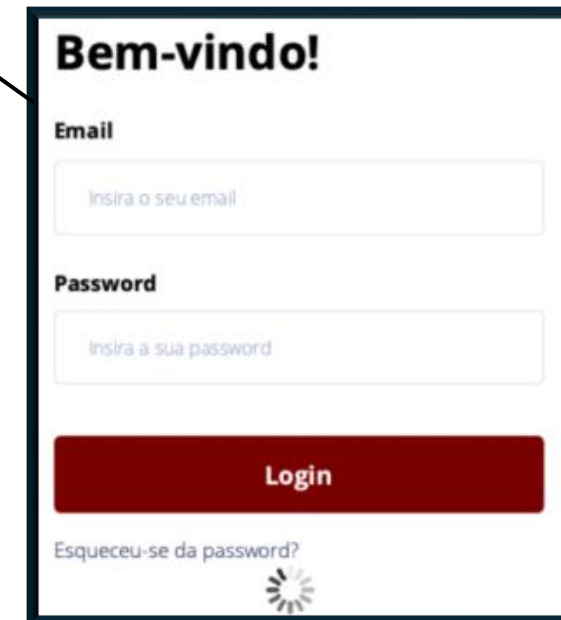
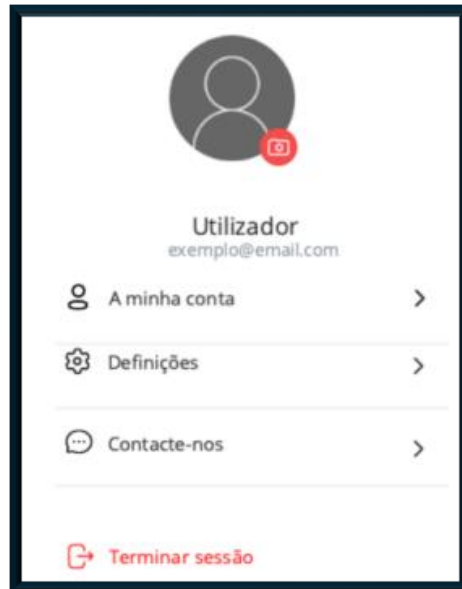
- Views and micro-frontends
- Story Spaces
- FE Architecture Diagrams
- API Specification
- Workflow Design

VIEWS AND MICRO- FRONTENDS



Userdata

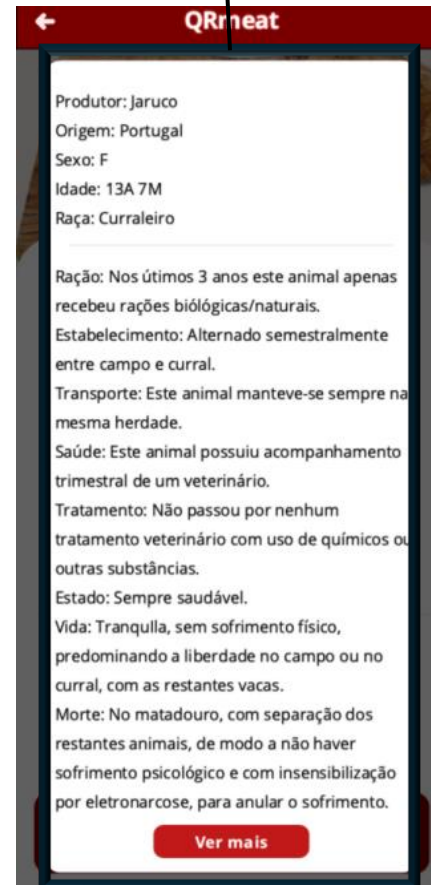
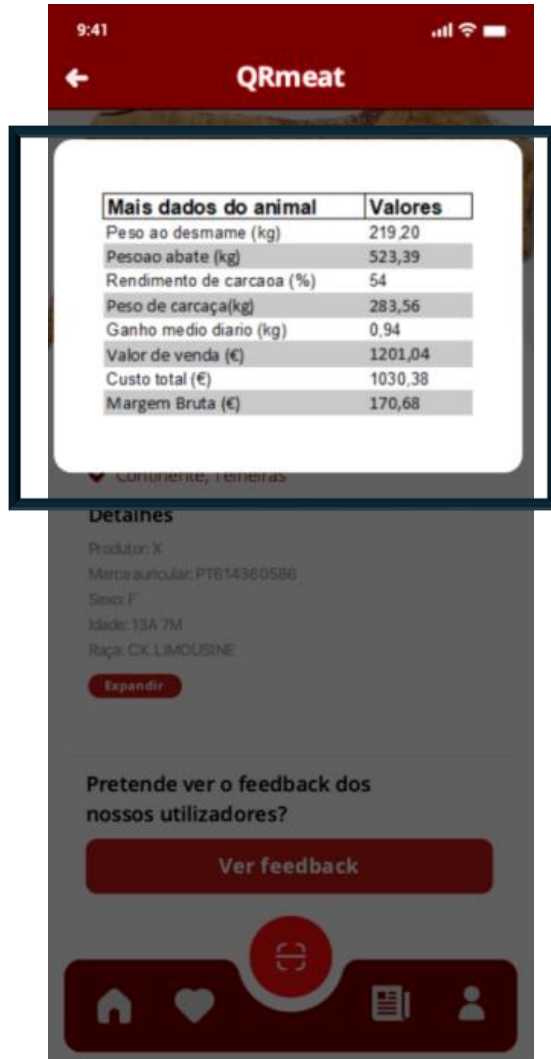
authentication and
profile management



Ainda não tem conta? [Registe-se](#)

Listing

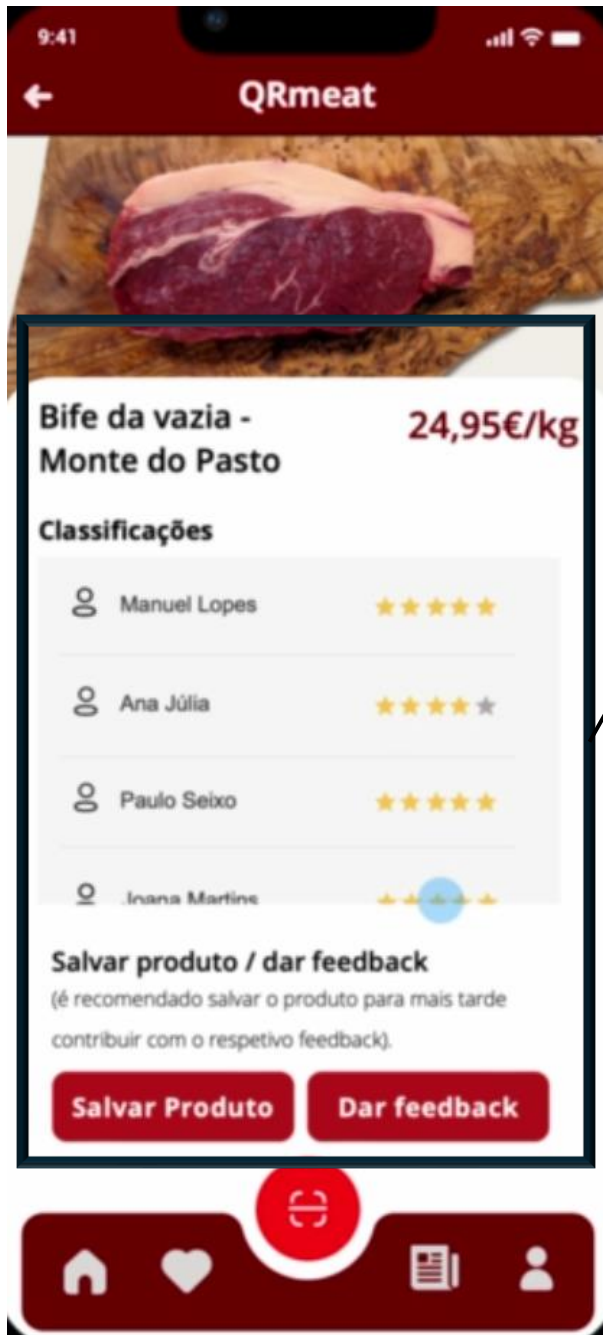
List products + search engine + highlights





Analytics
Gather relevant statistics





FeedBack

User contact





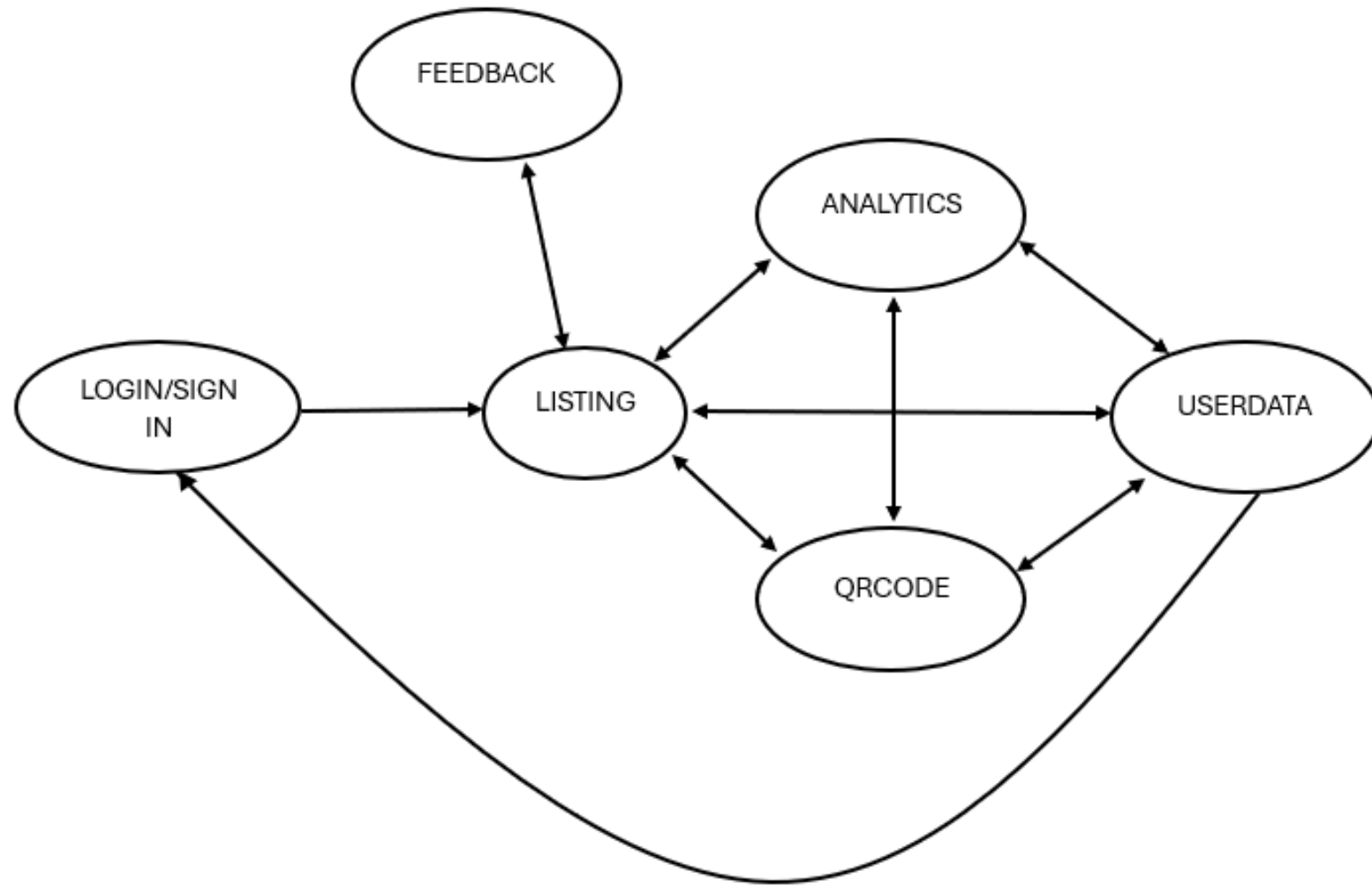
News

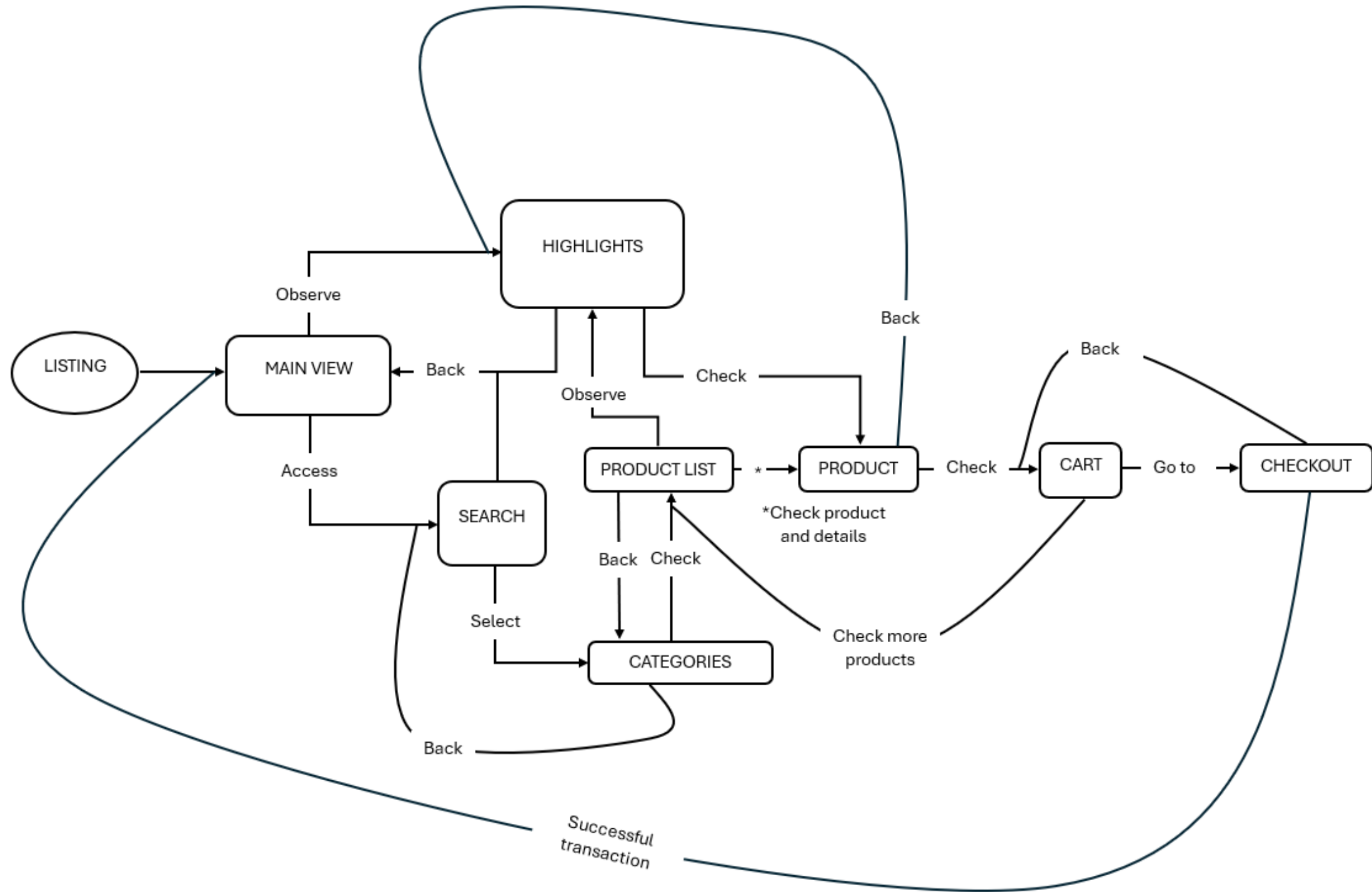
Gather relevant news

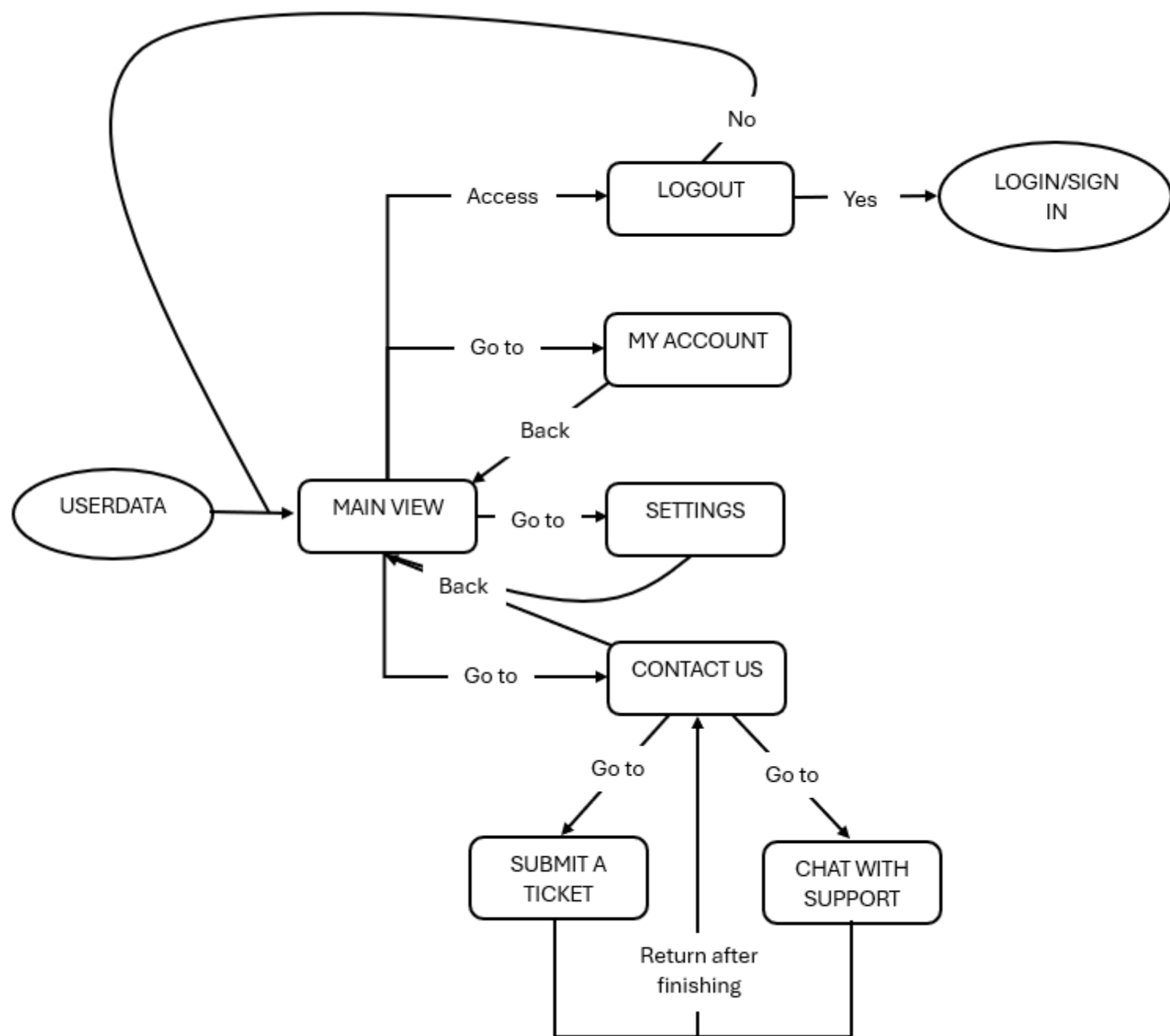


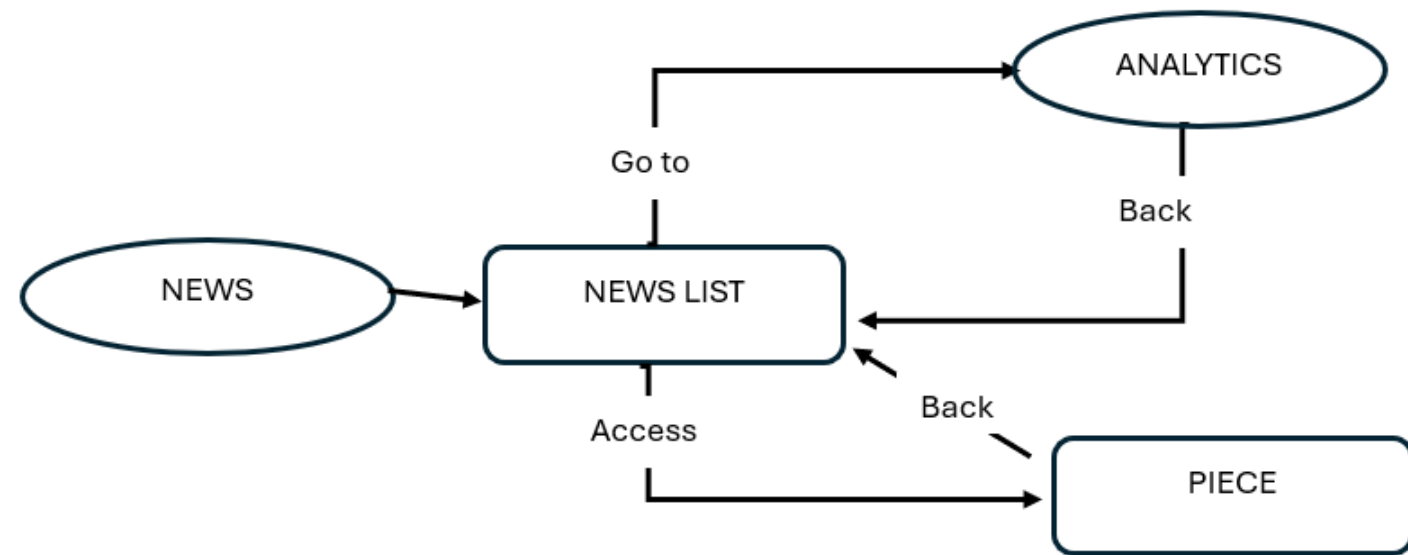
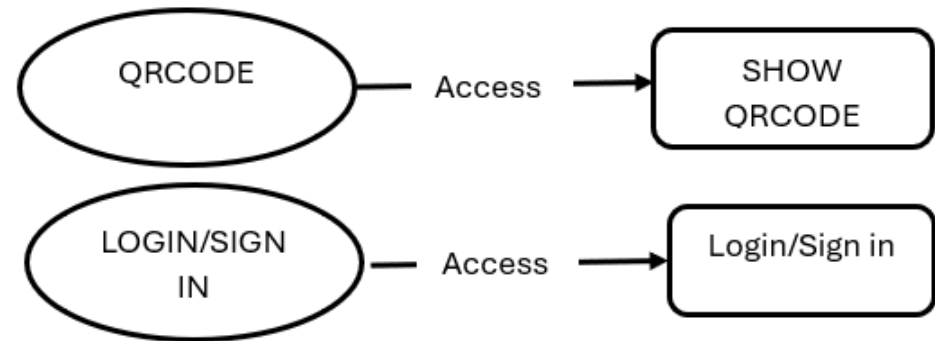
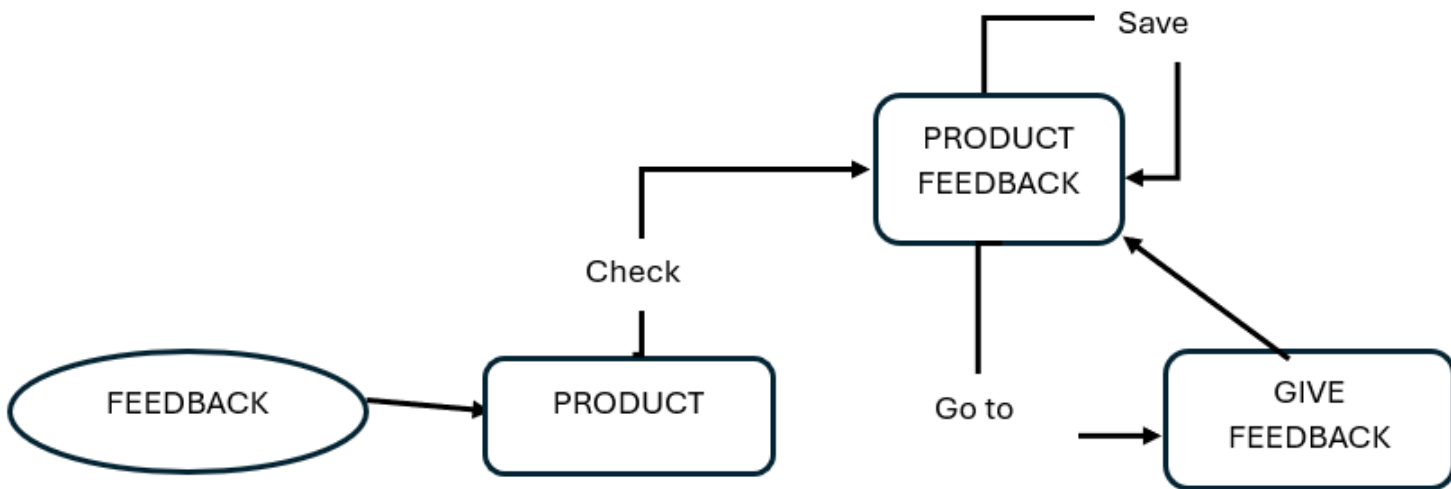
STORY SPACES

MAIN STORY





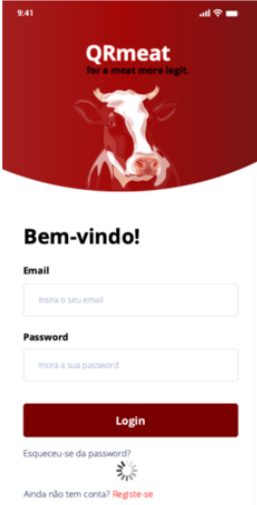
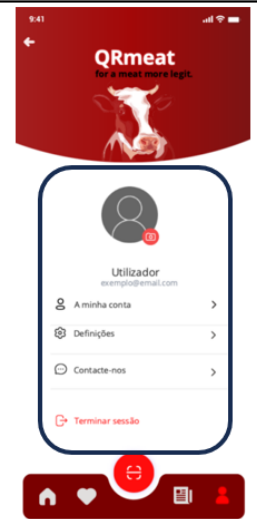














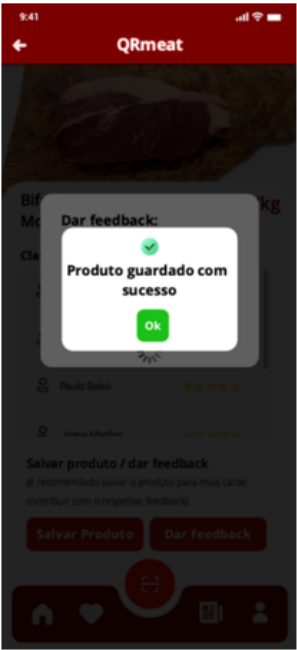
FE ARCHITECTURE DIAGRAMS

FE ARCHITETURE DIAGRAMS

MFE	Views	Components	ViewModels	FE Services
LOGIN		Login	state.email state.password event.status	Fill account details Delete account details Autentication request Loading indicator Submit Error handling
		Footer	state.loading	Link navigation
USERDATA		Utilizador	props.email props.image state.image	Get photo Change photo
		User options	props.settingsList props.endSession state.endSession	Get settings options Go to options End session

NEWS		Header		Get title Go back Go to analytics
		Main paper	state.paperMain	Get paper details Press button to read the paper Open main paper
		News list	props.listedNews state.listedNews	Insert image List of news
ANALYTICS		Header		Get title Go back
		Statistics	props.stats state.statsPage	Get graphics and their details Go to other page

Listing		Search bar	state.searchBar props.list	Show/hide search list Update Search bar Execute search
		Highlights	props.highlights state.highlights	Get highlighted products Go to highlighted product
		Header		Get title Go back
		Search Details	props.searchDetails	Get search location
		Categories	props.categories	Get categories
		Header		Get title Go back
		Highlights	props.highlights state.highlights	Get highlighted products Go to highlighted product
		Search Details	props.searchDetails	Get search location Get category
		Search results	props.productList	Get product list

Feedback		Header		Get title Go back
		Show product	props.productShow	Get product details
		Show feedback	state.userFeedback	Get user feedback
		Save product/give feedback	state.productFeedback	Save product Give product feedback

API SPECIFICATION

SWAGGER

https://app.swaggerhub.com/apis/MLCOIMBRAJ/api_AppWeb/1.0.0

← api_AppWeb 1.0.0

Open in Explore

Info

Tags

Servers

Search

userManager

- POST /users
- GET /users/{userId}
- PUT /users/{userId}

ProductListing

- GET /listings
- GET /listings/{listingId}

MenageFavorites

- GET /wishlist/{wishlistId}
- POST /wishlist/{wishlistId}/listir
- DELETE /wishlist/{wishlistId}/listir

Feedback

- POST /feedbacks
- GET /feedbacks
- GET /feedbacks/{feedbackId}
- PUT /feedbacks/{feedbackId}
- DELETE /feedbacks/{feedbackId}

News

1 openapi: 3.0.0

2 servers:

3 - description: Created by Mike & Mike

4 url: https://virtserver.swaggerhub.com/MLCOIMBRAJ/api_AppWeb/1.0.0

5 info:

6 version: "1.0.0"

7 title: appWeb-iot-api

8 description: The API for the AppWeb project

9

10 tags:

11

12 - name: AuthenticationService

13 description: Manage the user authentication and logout

14 - name: UserManager

15 description: Manage the user profile

16 - name: ProductListing

17 description: Way to navigate through the app to find the products

18 - name: MenageFavorites

19 description: Way for users to save products

20 - name: Feedback

21 description: Way for users to provide feedback about products/app. With feedback, the products team can know which products the users like more and make better highlights.

22 - name: News

23 description: News section about meat with information that might interest the user.

24 - name: Analytics

25 description: Stats section where users can check data in a user-friendly way that is easy to consume.

26 - name: QRCode

27 description: Fast access to a product through qr code

28

29 paths:

30 /sessions:

31 post:

32 tags:

33 - AuthenticationService

34 summary: Create a new user

35 description: Use this endpoint to create a new user.

36 requestBody:

37 required: true

38 content:

39 application/json:

40 schema:

Aa

SAVE

Read Only

appWeb-iot-api

1.0.0 OAS 3.0

The API for the AppWeb project

Servers

https://virtserver.swaggerhub.com/MLCOIMBRAJ/api_AppWeb/1.0.0 - Created by...

AuthenticationService Manage the user authentication and logout

POST /sessions Create a new user

DELETE /sessions/{sessionId} Delete a user session

UserManager Manage the user profile

POST /users Create a new user

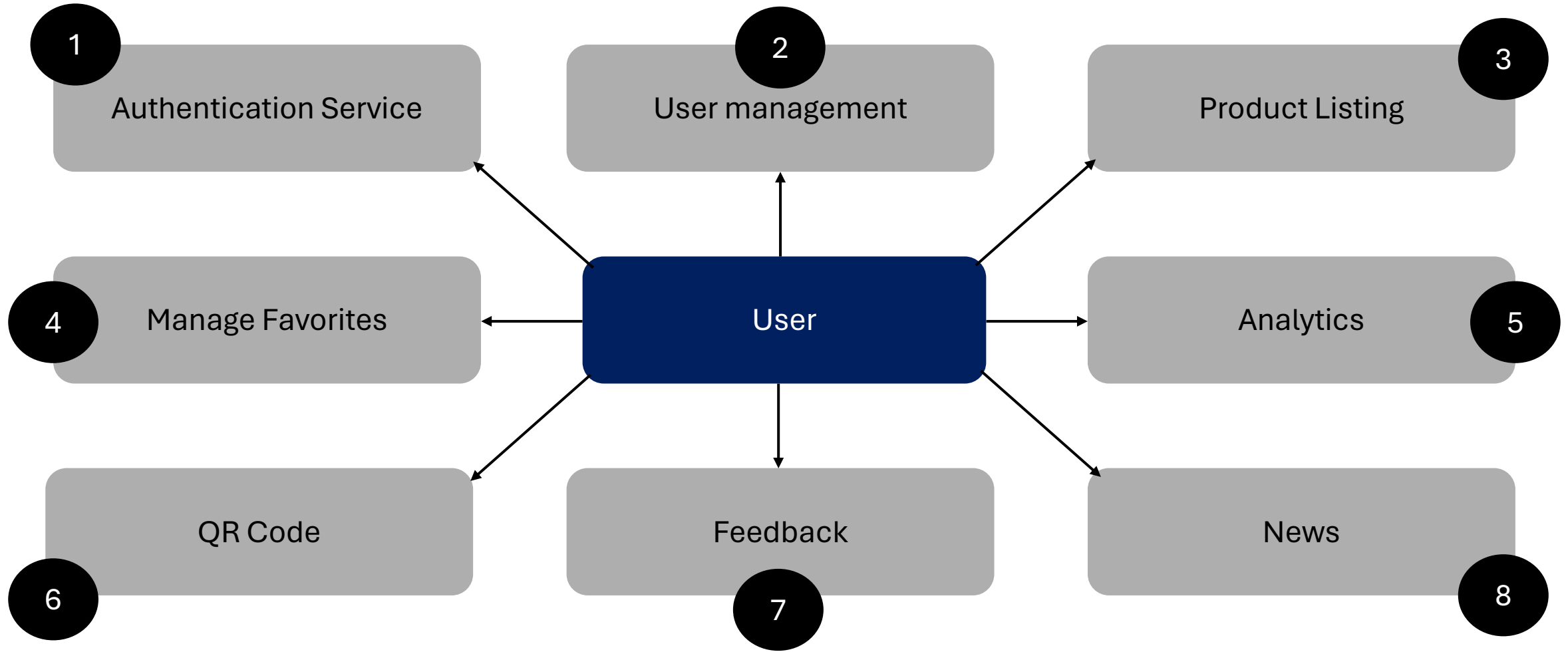
GET /users/{userId} Get user by ID

PUT /users/{userId} Update user data

Last Saved: 12:09:13 pm - May 23, 2024

VALID

WORKFLOW DESIGN



1

Microservices	Operations	Resources	Input Data	Description
Authentication service	DELETE	/sessions/{session_id}	-	End a specific user session
	POST	/sessions	email, password	Screate a new session for the user

SCHEMAS

```
{
  "sessionId": "string",
  "userId": 0,
  "email": "string"
}
```

```
{
  "email": "user@example.com",
  "password": "string"
}
```

2

Microservices	Request	Resource	Data	Description
User Management	GET	/users/{users_id}	userID	Retrieve information about an user by ID
	POST	/users	username, email, password	Create a new user account
	PUT	/users/{users_id}	userID	Update information about a specific user
	DELETE	/users/{users_id}	userID	Deletes a user by its ID

```
{
  "name": "string",
  "email": "user@example.com",
  "password": "string"
}
```

```
{
  "id": 0,
  "name": "string",
  "email": "string"
}
```

3

Microservices	Request	Resource	Data	Description
Product Listing	GET	/listing/{listing_id}	listingID	Retrieve product listing details by ID
	GET	/listing	-	Retrieve a list of all available product listings

```
{
  "id": 1,
  "name": "Product A",
  "shop": "Shop XYZ",
  "price": 99.99,
  "producer": "Producer ABC",
  "origin": "Country XYZ",
  "sex": "10A 2M",
  "age": "Adult",
  "race": "Race ABC"
}
```

```
[
  {
    "id": 1,
    "name": "Product A",
    "shop": "Shop XYZ",
    "price": 99.99,
    "producer": "Producer ABC",
    "origin": "Country XYZ",
    "sex": "10A 2M",
    "age": "Adult",
    "race": "Race ABC"
  }
]
```

4

Microservices	Request	Resource	Data	Description
Manage Favorites	DELETE	/wishlist/{wishlist_id}/listings/{listingId}	wishlistID	Delete product from favorites
	GET	/wishlist/{wishlist_id}/listings/{listingId}	wishlistID	Retrieve costumers favorites
	POST	/wishlist	-	Add a product to favorites

SCHEMAS

```
[
  {
    "id": 1,
    "name": "Product A",
    "shop": "Shop XYZ",
    "price": 99.99,
    "producer": "Producer ABC",
    "origin": "Country XYZ",
    "sex": "10A 2M",
    "age": "Adult",
    "race": "Race ABC"
  }
]
```

```
{
  "id": 1,
  "name": "Product A",
  "shop": "Shop XYZ",
  "price": 99.99,
  "producer": "Producer ABC",
  "origin": "Country XYZ",
  "sex": "10A 2M",
  "age": "Adult",
  "race": "Race ABC"
}
```

5

Microservices	Request	Resource	Data	Description
Analytics	GET	/analytics/{analytic_id}	analytic_id	Get the analytics sections (positive, negative)

```
{
  "sectionId": 1,
  "sectionName": "Section A",
  "graphs": {
    "graph1": 100,
    "graph2": 200
  }
}
```

6

Microservices	Request	Resource	Data	Description
QR Code	POST	/qrcode	-	Attribute a QR code to a user
	GET	/qrcode{qrcode_id}	qrcodeID	Retrieve users QR code by id

```
{
  "userId": 0,
  "url": "https://example.com/product/1"
}
```

```
{
  "id": 1,
  "url": "https://example.com/product/1",
  "data": "encoded_data_here"
}
```

7

Microservices	Request	Resource	Data	Description
Feedback	POST	/feedbacks	feedbackID	Create a new product feedback
	GET	/feedbacks/{feedback_id}	feedbackID	Get the feedback with that id
	PUT	/feedbacks/{feedback_id}	feedbackID	Updates the previous product feedback
	DELETE	/feedbacks/{feedback_id}	-	Delete feedback with that id
	GET	/feedbacks	list of feedbacks	get the list of feedbacks displayed

SCHEMAS

```
{
  "feedbackId": 1,
  "userId": 123,
  "productId": 456,
  "rating": 4
}
```

```
[
  {
    "feedbackId": 1,
    "userId": 123,
    "productId": 456,
    "rating": 4
  }
]
```

8

Microservices	Request	Resource	Data	Description
News	GET	/news/{piece_id}	piece_id	Get the piece of that id
	GET	/news	piece_id	Get a list of news

```
{
  "pieceId": 1,
  "title": "Title of News",
  "content": "Content of the news...",
  "publicationDate": "2022-01-01",
  "author": "John Doe",
  "tags": [
    "tag1",
    "tag2"
  ],
  "origem": "Origin XYZ"
}
```

```
[
  {
    "pieceId": 1,
    "title": "Title of News",
    "content": "Content of the news...",
    "publicationDate": "2022-01-01",
    "author": "John Doe",
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      "tag2"
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    "origem": "Origin XYZ"
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]
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