

EAP: Architecture Specification and Prototype

SportsVerse! The only place you need for a healthy and active lifestyle

A7: Web Resources Specification

This artifact presents the documentation for SportsVerse's web application to be developed, indicating the catalogue of resources, the properties of each resource, as well as the format JSON responses. It also includes the CRUD (create, read, update, delete) operation for each resource.

Overview

M01: Authentication and Individual Profile	Web resources associated with user authentication and individual profile management. Includes the following system features: login/logout, registration, credential recovery, view and edit of personal profile information.
M02: Products and Categories	Web resources associated with the search, filtering and listing of the products available to the user.
M03: Management Area	Web resources associated with website and user management, specifically: view and edit purchases; view, edit, add and delete categories, sub categories and products; view and search users; delete or block users; view and change user information.
M04: Product Reviews	Web resources associated with product. Includes the following system features: add review, list reviews, edit and delete reviews.
M05: Static pages	Web resources with static content are associated with this module: about, contact, services and faq.
M06: Cart and Wishlist	Web resources associated with the user cart and wishlist.

Permissions

PUB	Public	Group of users without privileges.
USR	User	Authenticated user.
ADM	Administrator	System administrators

OpenAPI Specification

[Link to the a7_openapi.yaml.](#)

```
openapi: 3.0.0
```

...

A8: Vertical prototype

Implemented Features

1.1 Implemented User Stories

Identifier	Name	Priority	Description
US101	View Products List	high	As a User, I want to be able to see the products list, so that I can view what the shop has to offer
US102	View Product Details	high	As a User, I want to view the product details, so that I can know more about it
US103	Add Product to Shopping Cart	high	As a User, I want to add products to my shopping cart, so that I can list the products I want to buy
US104	Manage Shopping Cart	high	As a User, I want to manage my shopping cart, so that I can change the list of products I want to buy
US105	Search Products	high	As a User, I want to search the platform keywords, so that I can quickly find the items that I am looking for
US106	See Home	high	As a User, I want to access the home page, so that I can see a brief presentation of the website
US107	Browse Product Categories	high	As a User, I want to browse through product categories, so that I can view a specific selection of products
US108	See About	high	As a User, I want to access the about page, so that I can see a complete description of the website and its creators
US109	Consult Services	high	As a User, I want to be able to access the services information, so that I can see the website's services
US110	Consult FAQ	high	As a User, I want to access the FAQ, so that I can get quick answers to common questions
US111	Consult Contacts	high	As a User, I want to access contacts, so that I can come in touch with the platform creators
US112	View Product Reviews	high	As a User, I want to view product reviews, so that I can know what other users think about those products
US201	sign in	high	As a Visitor, I want to authenticate into the system, so that I can access privileged information

Identifier	Name	Priority	Description
US202	Sign-up	high	As a Visitor, I want to register myself into the system, so that I can authenticate myself into the system
US301	Manage Account Information	high	As an Authenticated User, I want to be able to manage my account information, so that I can change it at any time
US302	Checkout	high	As an Authenticated User, I want to be able to checkout my order, so that I can buy it
US303	Log out	high	As an Authenticated User, I want to be able to log out from my account, so that I can protect my account
US304	View Purchase History	high	As an Authenticated User, I want to be able to view my purchase history, so that I can see what I have bought
US401	Review Purchased Product	high	As a Buyer, I want to be able to give a review to a product that I have bought, so that I can share my opinion of it to the platform
US501	Edit Review	high	As a Product Reviewer, I want to be able to edit my review, so that I can share my new opinion on the product
US502	Remove Review	high	As a Product Reviewer, I want to be able to remove my review, so that it disappears from the platform

1.2. Implemented Web Resources

'M01: Authentication and Individual Profile'

Web Resource Reference	URL
R101: Login Form	GET /login
R102: Login Action	POST /login
R103: Logout Action	GET /logout
R104: Register Form	GET /register
R105: Register Action	POST /login
R106: View user profile	GET /profile
R107: View the users edit form	GET /profile/edit
R108: Edit user profile Action	POST /profile/edit

'M02: Products and Categories'

Web Resource Reference	URL
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Web Resource Reference	URL
R201: Homepage	GET /homepage
R102: R202: Product categories	GET /category
R203: Product subcategories	GET /products/category/{category_id}
R204: Products	GET /products/subcategory/{subcategory_id}
R204: Products	GET /products/subcategory/{subcategory_id}
R206: Search Product Mechanism	GET /search?keyword={input}

'M03: Management Area'

Web Resource Reference	URL
R301: View a specific user profile	GET /user/{id}
R302: View the specific user edit form	GET /user/{id}/edit
R303: Edit a specific user profile Action	POST /user/{id}/edit

'M05: Static pages'

Web Resource Reference	URL
R501: About Page	GET /about
R502: Consult Services	GET /services
R503: Consult FAQ	GET /faq
R504: See Contacts available	GET /contacts

'M06: Cart and Wishlist'

Web Resource Reference	URL
R601: View Products from cart	GET /shopping_cart
R602: Add product to cart	POST /shopping_cart
R603: Remove product from cart	DELETE /shopping_cart
R604: Update product quantity in cart	PUT /shopping_cart
R605: Checkout	POST /checkout

2. Prototype

Prototype is available at [this link](#).

Credentials:

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Revision history

Changes made to the first submission:

GROUP2223, 21/10/2022

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