

# A8: Vertical prototype

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KEYVALUE is a project focused on the development of an information system with a web interface to support an online store to sell a wide variety of products. It provides the user with an intuitive and responsive interface, allowing him to choose his favourite products and buy them. Internally to the company, there's a back-office available so that staff members can accomplish tasks such as list and manage users, approve offline payments, and add more products.

This artefact includes the implementation of simple yet important user stories and aims to validate the architecture presented, also serving to gain familiarity with the technologies used in the project.

Essentially this presentation could replicate the project but in a smaller size. The user will be able to navigate the website, interact with it, and the changes made will be stored in the database.

## 1. Implemented Features

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### 1.1. Implemented User Stories

The user stories that were implemented in the prototype are described in the following table.

User Story reference	Name	Priority	Description
US01	Sign-up	high	As a Visitor, I want to register myself into the system, so that I can authenticate myself.
US02	Sign-in	high	As a Visitor, I want to authenticate into the system, so that I can access privileged information.
US04	Home page	high	As a User, I want to access the home page, so that I can see the website's top and trending products, top categories and top deals.
US05	Product page	high	As a User, I want to access product pages, so that I can view all details about that product.
US06	About page	high	As a User, I want to access the about page, so that I can see a complete website's description, including history and contacts.
US07	FAQ page	high	As a User, I want to access the FAQ page, so that I can see Frequently Asked Questions.
US08	Sign-in back office	high	As a Staff member, I want to authenticate into the system, so that I can access privileged functionalities and accomplish my task.
US09	Staff home page	high	As a Staff member, I want to access a personalized home page, so that I can quickly overview the most urgent tasks.

## 1.2. Implemented Web Resources

The web resources that were implemented in the prototype are described in the next section.

### Module M01: Authentication and Individual Profile

Web Resource Reference	URL
R101: Login form	<a href="#">/login</a>
R102: Login action	POST login
R103: Logout action	POST logout
R104: Register form	<a href="#">/register</a>
R105: Register action	POST register

### Module M02: Back Office

Web Resource Reference	URL
R201: Admin page	<a href="#">/admin</a>
R202: Add staff member action	POST api/users

### Module M03: Products

Web Resource Reference	URL
R301: View product info and reviews	/products/{id}

### Module M04: Static Pages

Web Resource Reference	URL
R401: About	<a href="#">/about</a>
R402: Contact	<a href="#">/contact</a>
R403: FAQ	<a href="#">/faq</a>

## 2. Prototype

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The prototype is available [here](#).

Credentials:

## Back-office

Name: admin

Password: supersafepass

## Client

Name: psilva

Password: hello123

The code is available [here](#).

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