Web Shop Technical Project

Providing functionality of creation, improvements and maintaining of a Web Shop

# **1 History of changes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| N.A | 0.1 | Providing documentation template | Ryszard Szewczyk |

# **2 Signatures**

|  |  |  |
| --- | --- | --- |
| **Prepared the document:** | | |
| Ryszard Szewczyk |  |  |

# **3 Content**

[**1 History of changes** 2](#_Toc131446356)

[**2 Signatures** 2](#_Toc131446357)

[**3 Content** 3](#_Toc131446358)

[4 Introduction 4](#_Toc131446359)

[4.1 Purpose of documentation 4](#_Toc131446360)

[4.2 Documentation field 4](#_Toc131446361)

[4.2 Resources 4](#_Toc131446362)

[5. Logical architecture 4](#_Toc131446363)

# 4 Introduction

## 4.1 Purpose of documentation

Project of a Web Shop Is a document preceding making of a Web Shop. Designing is composed of making a Web Shop in those fields:

1. Logical Architecture – composed of:
   1. Component Models.
   2. Component Diagrams.
   3. Outlining modules and components that the Web Shop is composed of

## 4.2 Documentation field

Documentation covers requirements included in attachment for the Web Shop documentation. Documentation is an in-depth system analysis allowing for system implementation.

# 4.2 Resources

|  |  |
| --- | --- |
| No | Documentation name |
| 1. | Business processes – to be added once completed |
| 2. | System functionality – to be added once completed |

# 5. Logical architecture

System architecture is composed of microservices – small, modular and loosely connected services, which everyone of them does a unique process or its part. Internal communication is being done through good defined light mechanism HTTP/JSON.

Main benefits:

* High level of availability
* High level of security and access control
* Scalability
* Data segmentation
* Flexibility
* Services monitoring
* Fast integration of new services
* Modern technological stack

System is written in Java 11 and Spring Boot framework. Every service contains wide variety of unit cases that provide a high level of quality of the system.

List of client applications:

|  |  |
| --- | --- |
| Service name | Description |
| Internal web app | Web app allowing for connection for operators and administrators of the Web Shop system |
| Public web app | Web app allowing for connection for external users |

Components list for System’s logic creation – ‘Backend’:

|  |  |
| --- | --- |
| Service Name | Description |
| common | Common libraries for backend modules – to be created |
| auth | Module for user authorization – to be created |
| user | Module providing functionality of maintaining system workers and users – to be created |
| dictionary | Module providing maintenance of system dictionaries – to be created |
| ldap | Module providing user authentication – to be created |
| cart | Module providing cart functionality – to be created |
| comment | Module providing comment functionality – to be created |