**Final report**

By Moni Manolov

# Overview

## Context

Takami is e-commerce which provides fishing gear for its customers. Managers of the shop can easily add or make an item unavailable. Customers can add items to cart, update it and make orders.

## Scope

|  |  |
| --- | --- |
| **Inside scope:** | **Outside scope:** |
| Takami Website for selling fishing gear | Project budget |
| Test plan | Paying at the end of the order |
| Test report |  |
| Powerpoint presentation |  |

## Strategy

I followed the agile scrum methodology. One of the advantages are that the project was done in 6 sprints, each of them is 3 weeks. At the end of each sprint the stakeholders can gave a feedback based on the work, which had been done through this sprint.

# Project organisation

## Stakeholders and team members

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Abbreviation** | **Role and functions** | **Availability** |
| *Kiavash Bahreini*  [kiavash.bahreini@fontys.nl](mailto:kiavash.bahreini@fontys.nl) | *P.O. / S.M. / P. M.* | *Scrum master, Product owner, Project manager* | *Always we arrange a meeting* |
| *Georgios Metaxas*  [g.metaxas@fontys.nl](mailto:g.metaxas@fontys.nl) | *P.O. / S.M. / P. M.* | *Scrum master, Product owner, Project manager* | *Always we arrange a meeting.* |
| *Moni Manolov*  kostadinov.manolov@student.fontys.nl | *D.* | *Developer* | *Always* |
| *User* | *USER* | *End user* | *-* |

## Communication

I worked in 5 sprints each of them is 3 weeks. I was communicating with the project owners and the project managers throughout the sprint. We scheduled meetings in Microsoft Teams where they gave their feedback for my project, which I posted in feedpulse.

# Testing

Testing scope

* In scope

1. Registration
2. Making new order
3. Make item unavailable/available

* Out of scope

Acceptance testing is not applied to this application

* Items, which are not tested

The services of the backend do not have their own test classes but they are tested in the controllers tests.

Types of testing applied

1. Unit testing

The unit tests cover all the models in the project. Each model has its own unit test, which tests his getters, setters and constructors.

1. Integration testing

* Controller testing

Tests include one controller testing which is for product controller and test its all mappings.

* Repository testing

There is one repository testing which is applied on the user repository and tests all methods in it.

1. System testing

The activities tested with the system testing:

* Registration
* Login
* Make a new request
* Make item unavailable
* Add new product

# User Interface Design

## User stories

As a customer I want database with security so I can give my credentials securely.

As a customer I want to see the products separated by their type so I can find the product I want to buy easily.

As a customer I want to have shopping cart so I can store the products I want to buy there.

As a customer I want to see all the products so I can buy them.

As a manager I want a database with security so I can login secure.

As a manager I want a database with all products so I wan see all the products in the website.

As a manager I want database with all the products in there so I can delete existing product.

As a manager I want a database with all the products so I can update existing product.

As a manager I want a database with all products so I can add new product.

## Functional requirements

User should see as detailed as possible information about a product.

User should be able to add product in his cart.

Manager should be able to add new product.

Manager should be able to delete existing product.

Manager should be able to modify existing product.

## Non- functional requirements

The front end should interact with backend as fast as possible.

The code should be finished but it should be opened for improvements, which can be done in the future.

The app will have 3 types of testing: System testing, Integration testing and Unit testing

Everything in the app will be described in its documentation.

The app should be as secure as possible.