**BioTourS – “Biodiversity and Tourism Strategy to protect cetaceans”**

**Support for data search and acquisition**

Version 1.0

Release date: 17/12/2021

Index

[1. Product Backlog 5](#_Toc89786921)

[1.1 Introduction 5](#_Toc89786922)

[1.2 Business Context 5](#_Toc89786923)

[1.3 Stakeholder 5](#_Toc89786924)

[1.4 Functional Items 5](#_Toc89786925)

[1.4.1 IF-1 5](#_Toc89786926)

[1.4.2 IF-2 5](#_Toc89786927)

[1.4.3 IF-3 6](#_Toc89786928)

[1.4.4 IF-4 6](#_Toc89786929)

[1.4.5 IF-5 6](#_Toc89786930)

[1.4.6 IF-6 6](#_Toc89786931)

[1.5 Information Items 6](#_Toc89786932)

[1.5.1 IIN-1 6](#_Toc89786933)

[1.6 User Interface Items 7](#_Toc89786934)

[1.6.1 IUI-1 7](#_Toc89786935)

[1.7 Qualitative Items 7](#_Toc89786936)

[1.7.1 IQ-1 7](#_Toc89786937)

[1.7.2 IQ-2 7](#_Toc89786938)

[1.8 Additional Items 7](#_Toc89786939)

[2. Sprint Report 9](#_Toc89786940)

[2.1 Sprint Backlog 9](#_Toc89786941)

[2.2 Product Requirement Specification 9](#_Toc89786942)

[2.2.1 User Case Diagram 9](#_Toc89786943)

[2.2.2 Scenario 9](#_Toc89786944)

[2.2.3 Additional 9](#_Toc89786945)

[2.3 System Architecture 9](#_Toc89786946)

[2.3.1 Components Diagram 9](#_Toc89786947)

[2.3.2 Components Specification 9](#_Toc89786948)

[2.3.3 Interfaces Specification 9](#_Toc89786949)

[2.4 Detailed Product Design 10](#_Toc89786950)

[2.4.1 Class Diagram 10](#_Toc89786951)

[2.4.2 Class Specification 10](#_Toc89786952)

[2.4.3 Sequence Diagram 10](#_Toc89786953)

[2.5 Data modeling and design 10](#_Toc89786954)

[2.5.1 Logical Model of the Database 10](#_Toc89786955)

[2.5.2 Physical Structure of the Database 10](#_Toc89786956)

Product Backlog

BioTourS

# Product Backlog

## Introduction

BioTourS is a web application developed to play a supporting role to Jonian Dolphin Conservation in the management of the data acquired during the Youth Camps which will then be used for the creation of the catalog.

## Business Context

BioTourS has been developed in the context of INTERREG IPA CBC ITALY - ALBANIA - MONTENEGRO program, the BioTourS - "Biodiversity and Tourism Strategy to protect cetaceans" project was approved by the Monitoring Committee of the Interreg Italy – Albania – Montenegro Program in Tivat (Montenegro) on 18-19 December 2019.

## Stakeholder

BioTourS is a web application which can be used to collect data of cetaceans sighting. At the same time, it could be used from all people to enrich the catalogue. So, there is a general user and an administrator who can manage the catalogue.

## Functional Items

### IF-1

**AS** User

**I WANTO TO** enter a new sighting

**SO THAT** a new observation will be saved in the catalogue

### IF-2

**AS** User

**I WANTO TO** show the sightings in the catalogue

**SO THAT** I could know data in the catalogue

### IF-3

**AS** User

**I WANTO TO** search a sighting

**SO THAT** I can find the observation in which I’m interest in

### IF-4

**AS** Admin

**I WANTO TO** login to the system

**SO THAT** I can access to the system

### IF-5

**AS** Admin

**I WANTO TO** modify a sighting

**SO THAT** the observation is updated

### IF-6

**AS** Admin

**I WANTO TO** delete a sighting

**SO THAT** an observation will be removed from the catalogue

### IF-7

**AS** Admin

**I WANTO TO** add a new admin

**SO THAT** a new admin can handle the system

## Information Items

### IIN-1

For the item IF2, we want to implement different modality of visualization of the catalogue. We want to show using maps, tables and then a page with all the details of each sighting.

### IIN-2

The system should have a homepage and an about section, in which we explain the aim of the project and platform

## User Interface Items

### IUI-1

The web application must be responsive, to be accessible either from desktop or mobile.

## Qualitative Items

### IQ-1

Quality score to be reached: « A »

### IQ-2

Passing test successfully

## Additional Items

Sprint Report N. 1

BioTourS

# Sprint Report

## Sprint Backlog

|  |  |  |
| --- | --- | --- |
| **Item code** | **Sprint Number** | **Note** |
| IF-1 | 1 | Enter a sighting |
| IF-4 | 1 | Login to the system |
| IF-5 | 1 | Modify an sighting |
| IF-6 | 1 | Delete an sighting |
| IF-7 | 1 | Add a new admin |
| IIN-2 | 1 | Homepage and about section |

## Product Requirement Specification

### User Case Diagram

Diagram, schematic

Description automatically generated

### Scenario

### Additional

## System Architecture

### Components Diagram

Diagram

Description automatically generated

### Components Specification

### Interfaces Specification

## Detailed Product Design

### Class Diagram

### Class Specification

### Sequence Diagram

## Data modeling and design

### Logical Model of the Database

### Physical Structure of the Database