

Products Requirements Document

Revision History

Version	Date	Revised by	Modified content Description
V0.1	March 21, 2020	Celia	Document framework
V0.2	April 1, 2020	Celia	3 Functions Descriptions Designs 2.4 System Architecture Diagrams

1 Document Descriptions

1.1 Purpose of the document

This document mainly describes the required functions and designs of the stop illegal animal trade website, aiming to clearly define the detailed requirements and the logical flow of the modules included in the website.

1.2 Readers

Product designers, product developers and testers.

1.3 References

1.4 Terms and Abbreviations

SIAT website – one of the outputs of our project which aims to raise awareness of illegal animal trade by collecting statistical data and articles through a python web crawler.

SIAT – Stop Illegal Animal Trade

SIAT CMS – the content management system to edit and publish content on the SIAT website.

2 Document Descriptions

2.1 Project Background

Our aim is to raise awareness on illegal animal trade through art with a viable solution represented through a website which will include information such as, why, statistics and alternatives / ways to help to raise awareness on the issue.

2.2 SIAT website functions overview

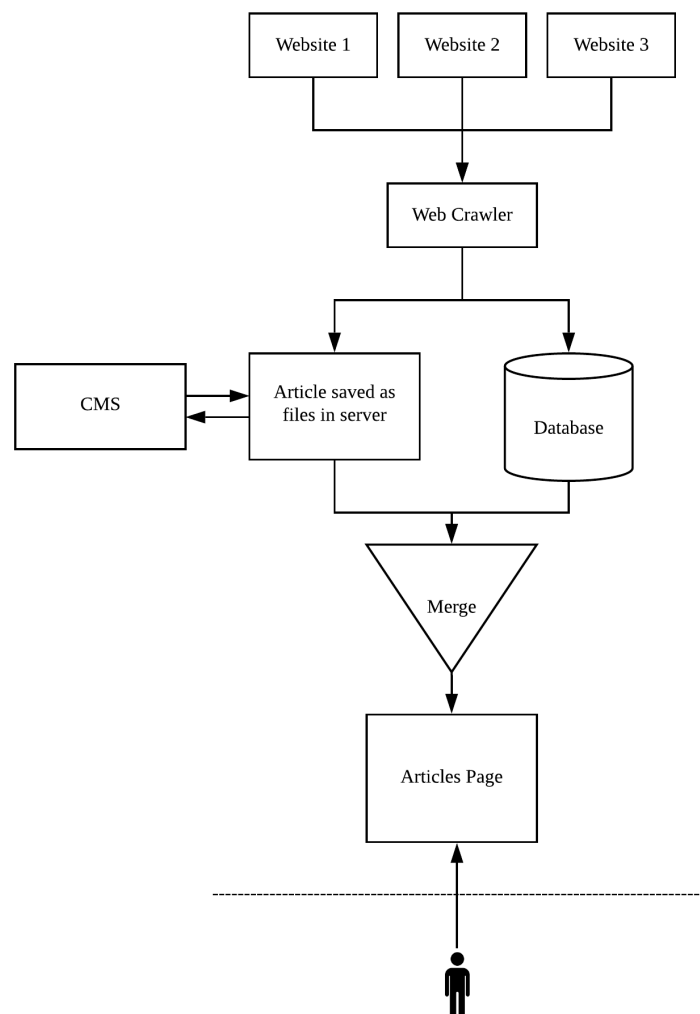
The website will be running at all times, with information about endangered animals on its front page that are updated every three days. When the name of the endangered animal is clicked, a page including articles about the species will be shown. The data on this page will be updated daily automatically by a web crawler.

2.3 Project aims

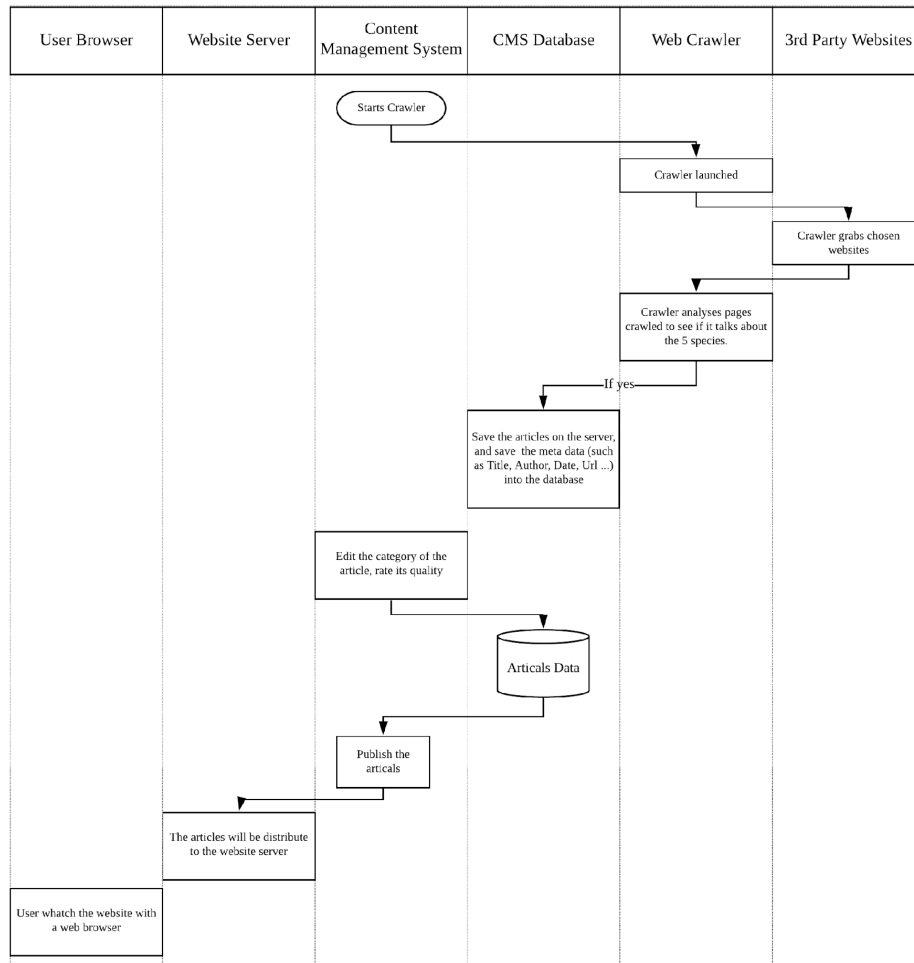
We aim to launch the website and have the website included in Google search before June. We will have at least 3 people managing the website regularly, keeping it running and fixing bugs if any. By the end of the year, there should be at least 100 views on the website monthly.

2.4 System architecture, business processes, product structure, business logic

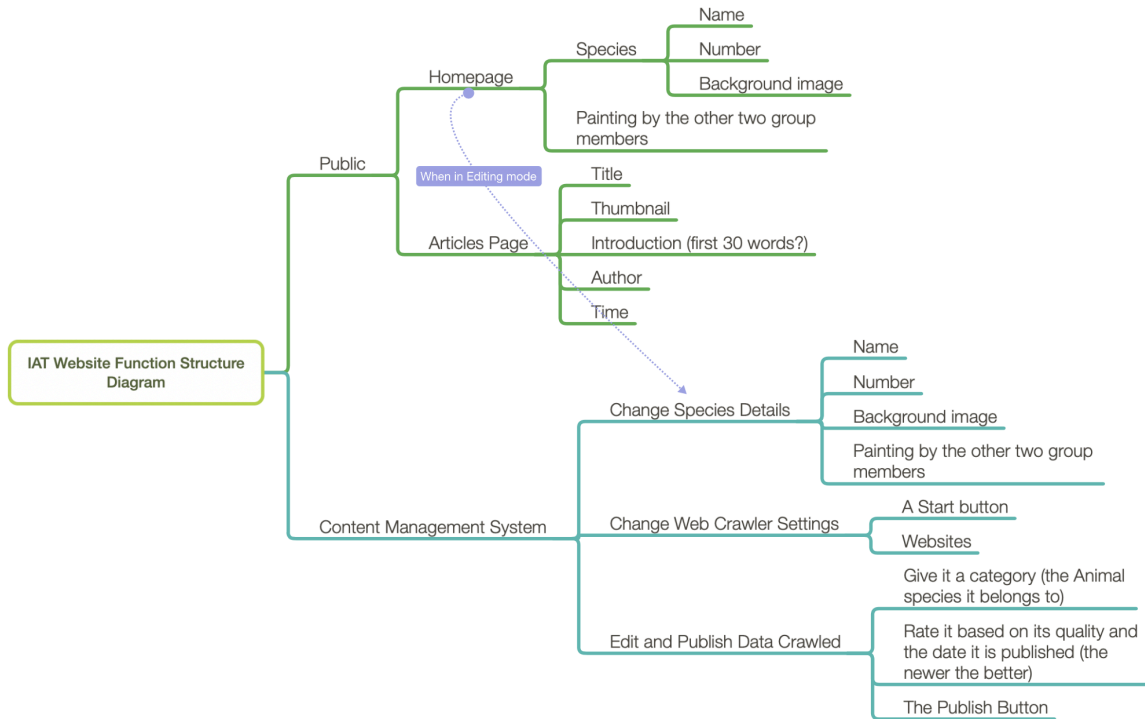
2.4.1 System architecture diagram (static)



2.4.2 Business processes diagram (dynamic)



2.4.3 Product structure (static)



2.4.4 Business logic (dynamic)

3 Functions Descriptions

3.1 Functions Overview

3.2 Home Page

Homepage is the page loaded when the root of the domain is visited. It is a static page that shows the estimated (or exact, depending on the species) number left of 6 animals species that suffered most from illegal animal trade in the past year.

Below is the design of the homepage layout:

<p>Species A</p> <p>Number Deaths from IAT</p>	
<p>Species B</p> <p>Number Deaths from IAT</p>	<p>Species C</p> <p>Number Deaths from IAT</p>
<p>Artwork by Jessica & Elyse</p> <p>Perhaps oil painting on cardboard(s)</p>	
<p>Species D</p> <p>Number Deaths from IAT</p>	<p>Species E</p> <p>Number Deaths from IAT</p>

Note that all data are keyed in manually and not by web crawlers because it will not change much and will be about the same across most websites.

Hyperlinks are added on each of the animal names so that, when they are clicked, users will be led to the 2nd page of the website with articles of their categories.

[3.3 Articles page](#)

As mentioned before, users are led to this page after clicking on the hyperlink. This page will show news of recent illegal trades of the species.

<h1>Species A</h1> <p>Number Deaths from IAT</p>	
<p>Title of Article 1</p> <p>AUTHOR DATE</p> <p>-----</p> <p>-----</p> <p>-----</p>	 <p>THUMBNAIL</p>
<p>Title of Article 2</p> <p>AUTHOR DATE</p> <p>-----</p> <p>-----</p> <p>-----</p>	 <p>THUMBNAIL</p>
<p>Title of Article 2</p> <p>AUTHOR DATE</p> <p>-----</p> <p>-----</p> <p>-----</p>	 <p>THUMBNAIL</p>







3.4 CMS (Content Management System)

With the CMS, the managers of the website will be able to make changes to the website. The changes that have to be made manually are as following:

On the home page:

- the number of the 6 endangered species should be updated at least once in three days
- The image of the species should be changed at least once a month in the CMS

The CMS page for the home page should look similar to this:


<h2>Species A</h2> <p>Number  Deaths from IAT</p>	
<h2>Species B</h2> <p>Number  Deaths from IAT</p>	<h2>Species C</h2> <p>Number  Deaths from IAT</p>
<h2>Artwork by Jessica & Elyse</h2> <p>Perhaps oil painting on cardboard(s) </p>	
<h2>Species D</h2> <p>Number  Deaths from IAT</p>	<h2>Species E</h2> <p>Number  Deaths from IAT</p>

[Back to Site](#) [Account Settings](#) [Sign out](#)

Species A

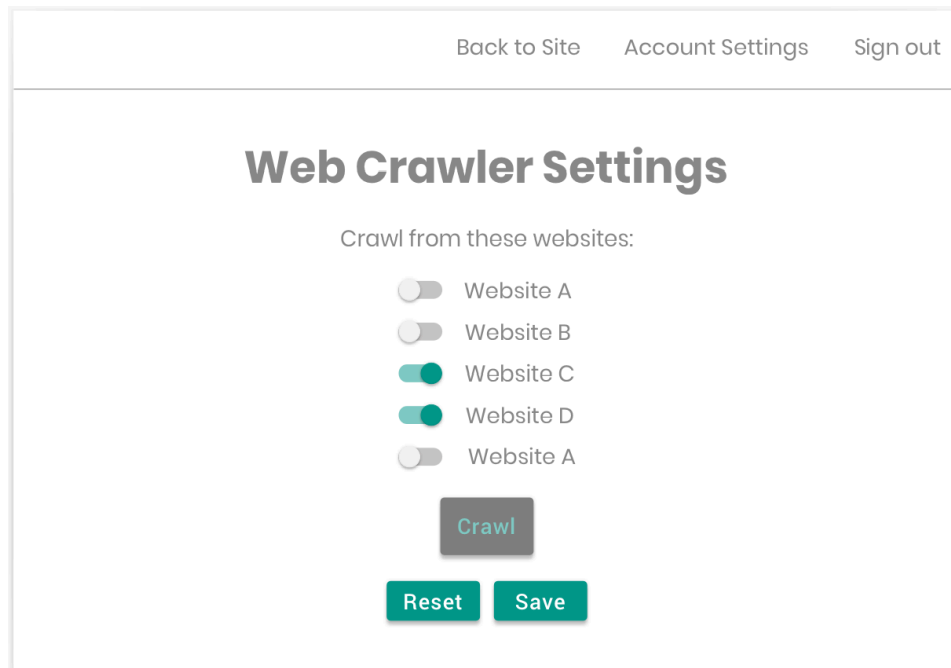
Name:

Number left:

Background image: 

Reset
Save

- Managers should be able to start the web crawler, to stop it and to change the website it crawls



4 Non-functional requirements

4.1 Performance requirements

The display of front-end contents should be giving users smooth reading experiences under Wi-Fi and mobile networks, and should be responsive on laptops, tablets and phones. When at most 10,000 users are online, the back-end information processing should be stable and fast.

4.2 System and browser requirements

The SIAT website should load on both Android, IOS systems, PCs and Macs in modern browsers, including (but not restricted to) Chrome, Safari, Firefox and Opera.

5 Project planning

- Project design
- Development
- Testing

Launch and operation planning

We aim to launch the website with the domain “before June.

Product risks

1. The articles on the website saved from other website might be reported as copyright infringements.

What to do to decrease the risks

1. The project must be ethical, meaning that a full article saved from another website should not be displayed on a webpage, and an introduction of an article should not be displayed without stating the original address and the author of the article.