**Introduction**

This document details the project plan for the development of BGT “Botanic Garden Tour”

It is intended for developers, designers, and testers working on “Botanic Garden” as well as project investors. This plan will include a summary of:

• how the system will function

• the scope of the project from the development viewpoint

• the technology used to develop the project

• the metrics used to determine the project’s progress

• Overall Description

BGT is a web application which allows users to visit the „Anastasie Fătu” botanical garden from Iasi in a virtual manner. The name of the project stands for "Botanical Garden Tour" and the main purpose for the website is to help people from everywhere to visit the botanical garden from Iasi. BGT is a web-oriented application that allows users to take a virtual tour of the exhibits in the botanical garden. The user can see the exhibits in different sections, read information about the plants present in the greenhouse, find out about the historical information of the botanical garden, see the latest announcements and also has the opportunity to consult the price list. Users can offer suggestions on what they want to see or what information they would like to know and, at the same time, be up to date with the latest publications.

The web application contains the following pages: Home/History/Botanical garden tour/Map/Publications/Taxes/Review & Suggestions/Scientific manifestations

**Customers**

The customers will be any visitor that wants to receive more information about the botanic garden elements (e.g type of plants, how plants grow or from where it comes). It will target the general public.

**Functionality**

1.Home page

On the main page, visitors can see information about the institution's operating schedule, contact details, events scheduled for the next period, the latest announcements of the condition, as well as images of the botanical garden.

2.History

Customers will be able to view a detailed description of the history of the botanical garden, where all the important events of this institution are captured.

3.Botanical tour

This page represent a simulation of the existing location, composed of a sequence of videos or still images. It also use other multimedia elements such as sound effects, music, narration, and text.

The customer can switch from a section to another, to customize the view according to personal preferences.

4.Map

The client can choose a certain area from the map by clicking on it. Depending on the chosen area, the client will be sent to the virtual tour related to the selected section.

5.Publications

The client can see which are the publications that refer to the botanical garden, to the fauna and flora, or any other component element. All these publications can be downloaded and read by the customer.

6.Taxes

The client can view the existing tax types and the value of each.

Also, here the client can choose to book an individual guide or book a guide for a group.

7.Review & Suggestions

The client can fill in and send a form to

• evaluate the experience offered by the botanical garden

• suggest improvements that could be made to the garden.

8.Scientific manifestations

The client can view all the scientific events that will take place or have taken place within the institution. Each event includes sections

The Symposium Program / Volume of Abstracts / Photo Gallery and the visitor all access any of these sections by clicking on the title.

**Platform**

The application will be developed using HTML, CSS and JS to enable the creation of a web-based application.

**Development Responsibilities**

The developers on the BTG team will be responsible for writing all the code for the application, developing the database, and managing releases.

**User Class and Characteristics**

There will be a class of users called administrators

• Creating new sections for virtual tours

• Upload new images, videos or presentation materials

• Create new events

• Create/Update/Delete text content

• Change the pages background

• Manage the reviews/suggestions

Standard users will have access to all functionality of the app except those listed above. The functionalities are:

• view all the information provided by BGT

• review all the information provided by BGT

**System Features**

**Functional Requirements**

• Users should be able to take a virtual tour

• Users should be able to choose and switch the sections

• Users should be able to access the videos/ images/ multimedia files

• Users should be able to access the menu and all the subpages

• Users should be able to send a review or a suggestion

• External Interface Requirements

**User Interfaces**

• Front-end software: HTML, CCS

• Back-end software: JS

**Hardware Interfaces**

• Both Mac and Windows operating systems through their default web browser

• Non-Functional Requirements

**Performance Requirements**

• The web application should load and be usable within 5 seconds

• The web application should update the interface on interaction within 2 seconds

**Safety Requirements**

• Not needed. This is a static web application.

**Security Requirements**

Not needed. This is a static web application.

**Software Quality Attributes**

• Availability: Because this web application is critical to business, we will have a goal of four nines (99.98%) availability. Losing availability means losing 40% of taxes.

• Correctness: The application should provide only real information about any element and correct information about any event/tax/program.

• Maintainability: The application should use continuous integration so that features and bug fixes can be deployed quickly without downtime.

• Usability: The interface should be easy to learn without a tutorial and allow users to accomplish their goals without errors.

**Summary**

An SRS document is a necessary part of completing a software development project. It is the roadmap that gives direction to everyone involved in the project, so the final product meets the user’s needs.

Without a complete SRS document in place before you start a project, it will be hard to tell when a project is finished and could sidetrack development into creating unintended features. An SRS document gives you the ability to estimate a project accurately and assign tasks efficiently.