Uma imagem com texto, Tipo de letra, Gráficos, design

Descrição gerada automaticamente

USER MANUAL – INTEGRATIVE PROJECT

Work done by group G122 (Wonder Group)

Catarina Lima 1231131

Marisa Adelino 1231287

Rita Tavares 1231261

Rui Silva 1231501

7 de abril de 2024

Índice

[1. Glossary 3](#_Toc163483296)

[2. Introduction 4](#_Toc163483297)

[3. System Overview 4](#_Toc163483298)

[4. Features 5](#_Toc163483299)

[1. Register a skill | HRM 5](#_Toc163483300)

[2. Register a job | HRM 5](#_Toc163483301)

[3. Register a collaborator | HRM 5](#_Toc163483302)

[4. Assign skills to a collaborator | HRM 5](#_Toc163483303)

[5. Generate team proposal | HRM 6](#_Toc163483304)

[6. Register a vehicle | FM 6](#_Toc163483305)

[7. Register a vehicle’s check-up | FM 6](#_Toc163483306)

[8. List the vehicles in need off check-up | FM 6](#_Toc163483307)

# Glossary

|  |  |
| --- | --- |
| CLERK | Person responsible for carrying out various business supporting activities on the system. |
| CLK | Acronym for Clerk. |
| Collaborator | A person who is an employee of the organization and carries out design, construction and/or maintenance tasks for green areas, depending on their skills. |
| Fleet Manager | A person who manages the fleet park, the machines, equipment and vehicles, ensuring their good condition and assigning them to the tasks to be carried out. |
| FM | Acronym for Fleet Manager. |
| Green Spaces Manager | The person responsible for managing the green spaces in charge of the organization. |
| Green Spaces User | A person who uses the green spaces managed by the organization and who can through the Portal, make comments or report faults in parks and gardens on the Portal. |
| GSM | Acronym for Green Spaces Manager. |
| GSU | Acronym for Green Spaces User. |
| HRM | Acronym for Human Resources Manager. |
| Human Resources Manager | A person who manages human resources and defines teams based on the needs of ongoing projects and the skills of the employees. |
| RE | Requirements Engineering. |
| SE | Software Engineering. |
| SSD | System Sequence Diagram. |
| UI | User Interface. |
| US | User Story(ies). |

# Introduction

This manual is designed to serve as a comprehensive guide for the efficient use of the GreenScape Management System, an innovative application tailored specifically for the administration and oversight of green spaces. Whether you are a park manager, a municipal green spaces administrator, or a member of an organization dedicated to the preservation and maintenance of natural landscapes, this manual provides essential insights and step-by-step instructions to maximize the utility of our application.

The scope of this document encompasses a detailed overview of the GreenScape Management System, highlighting its capability to revolutionize the way green spaces are managed. Users can expect to find information on:

* Inventory Management: Keep track of plants, equipment, and other resources.
* Maintenance Scheduling: Automate the planning of care and maintenance tasks.
* Visitor Management: Monitor and manage the flow of visitors to ensure an enjoyable and safe experience for everyone.
* Environmental Impact Assessments: Utilize built-in tools to evaluate and mitigate the environmental impact of green spaces.
* Stakeholder Engagement: Facilitate communication between management, staff, volunteers, and the community.

This manual is crafted with the needs of green spaces managers and administrators at its core, ensuring that the content is both relevant and directly applicable to the challenges and opportunities faced in the stewardship of natural areas. By leveraging the functionalities outlined in this guide, users will be able to enhance the ecological value, visitor satisfaction, and operational efficiency of their green spaces.

For any inquiries beyond the scope of this manual, we encourage you to reach out to our dedicated support team. Contact details are provided in the "Troubleshooting" section at the conclusion of this document.

# System Overview

The Green Spaces User Portal application aims to achieve several key objectives:

Multidisciplinary Team Management: Facilitates the organization and coordination of teams with diverse skills required for designing, constructing, and maintaining green spaces.

Allocation of Teams to Green Spaces: Provides functionality to assign teams to specific tasks in various green spaces based on their availability, required skills, and priorities.

Fleet, Machines, and Equipment Management: Manages the organization's fleet of vehicles, machines, and equipment, ensuring proper maintenance and efficient assignment to tasks.

Optimization of Irrigation and Lighting Systems: Supports the optimization of irrigation and lighting systems through data analysis and scheduling algorithms, aiming for efficient resource usage.

Production of Statistical Indicators: Generates statistical indicators to measure the performance of activities related to green space management, such as productivity metrics, resource utilization, and maintenance effectiveness.

Agile Development Using SCRUM: Follows an iterative and incremental development process, utilizing SCRUM methodology to manage teamwork in regular sprints.

Test-Driven Development (TDD): Adheres to the Test-Driven Development approach to ensure software maintainability.

The application is structured into several modules, including Multidisciplinary Team Management, Fleet and Equipment Management, Optimization of Irrigation and Lighting Systems, Production of Statistical Indicators, and Green Spaces User Portal. Each module performs specific functions to achieve the outlined objectives. Key modules also include User Interface, Feedback Management, User Authentication and Authorization, Database Integration, Notification and Alert, Administrative Dashboard, and API Integration. These modules collectively provide a comprehensive solution for effective communication, engagement, and management of public green spaces.

# Features

### Register a skill | HRM

As a Human Resources Manager (HRM), I want to register skills that a collaborator may have.

### Register a job | HRM

As an HRM, I want to register a job that a collaborator need to have

### Register a collaborator | HRM

As an HRM, I want to register a collaborator with a job and fundamental characteristics.

### Assign skills to a collaborator | HRM

As an HRM, I want to assign one or more skills to a collaborator.

### Generate team proposal | HRM

As an HRM, I want to generate a team proposal automatically.

### Register a vehicle | FM

As an FM, I wish to register a vehicle including Brand, Model, Type, Tare, Gross Weight, Current Km, Register Date, Acquisition Date, Maintenance/Check-up Frequency (in Kms).

### Register a vehicle’s check-up | FM

As an FM, I want to register a vehicle’s check-up.

### List the vehicles in need off check-up | FM

As an FM, I want to list the vehicles needing the check-up.