Dronr

User Manual

Group members

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1. Glossary

Git - A free and open source distributed version control system de signed to handle from small to very large projects with speed and efficiency.

Git hub - Web-based Git repository hosting service, which allows all of the distributed revision control and source code management functionality of Git.

Dronr - The System developed to cater on demand drone services at affordable costs.

2. Project Repository

https://github.com/vuyaniShabangu/now.next.git

3. Introduction

This is the user manual for dronr Drone mission control project, with this manual We provide the user with ways on how to use the online portal across any of their desired web browser.

This User manual will be providing in depth explanation of the system, starting with setting up on environment to performing operations the systems provides.

4. Purpose and Overview

4.1 Purpose

Dronr was created to explore the growing market of drones as opposed to just being a novelty item, but to be better utilised for various efficient aerial services at lower costs, within less time. Dronr achieves this though providing the consumer a shopping list of highly sophisticated drone services such as an orthorectified photo of a given area, with the use of new technology and surveillance algorithms.

4.2 Overview

The dronr is an online service that provides you with the opportunity to use drone services that involve geographical image processing operations, areal inspections, photography, video surveillance and flight operations. This will make it much accessible for you and companies to have such services at a click of a button to the online portal through a browser, and later receive the result of missions you created and submitted to dronr. All missions are to be completed by drone operators then submit results to dronr, which broadcasts them to your portal after being notified that your mission has been completed.

5. General Description

5.1 Browser Client (Users)

Browser sends requests from user.

Submits mission created

5.1.1 Server Client (Operator)

Handles the request submitted from browser client, by performing the mission chosen.

Submits the results to the system for any further processing.

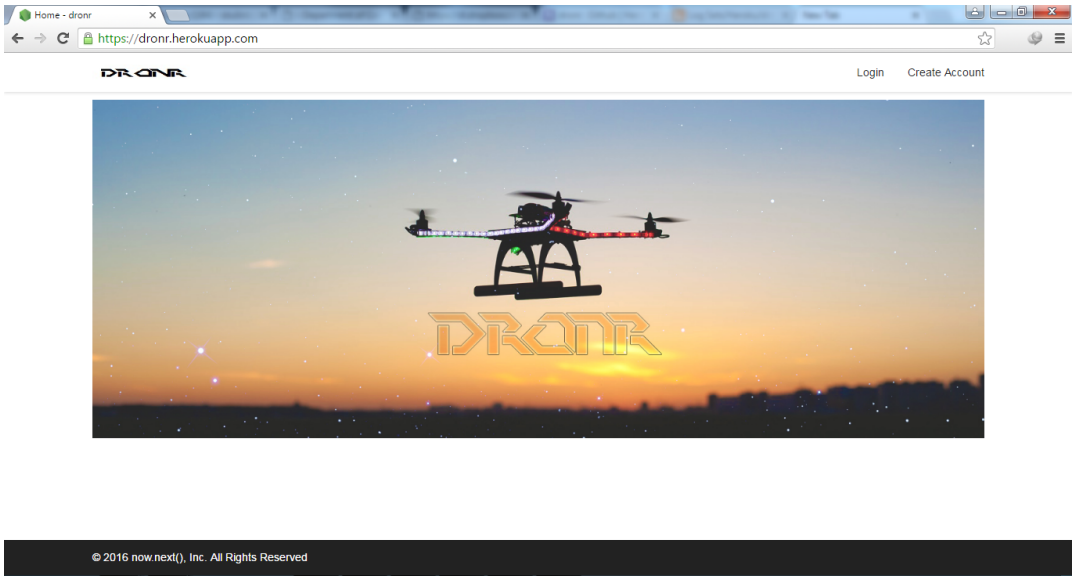
5.2 System

Uploads the results to the specific client portal.

5.2.1 System configuration

Dronr runs on any of your favourite web browser, that support google maps.

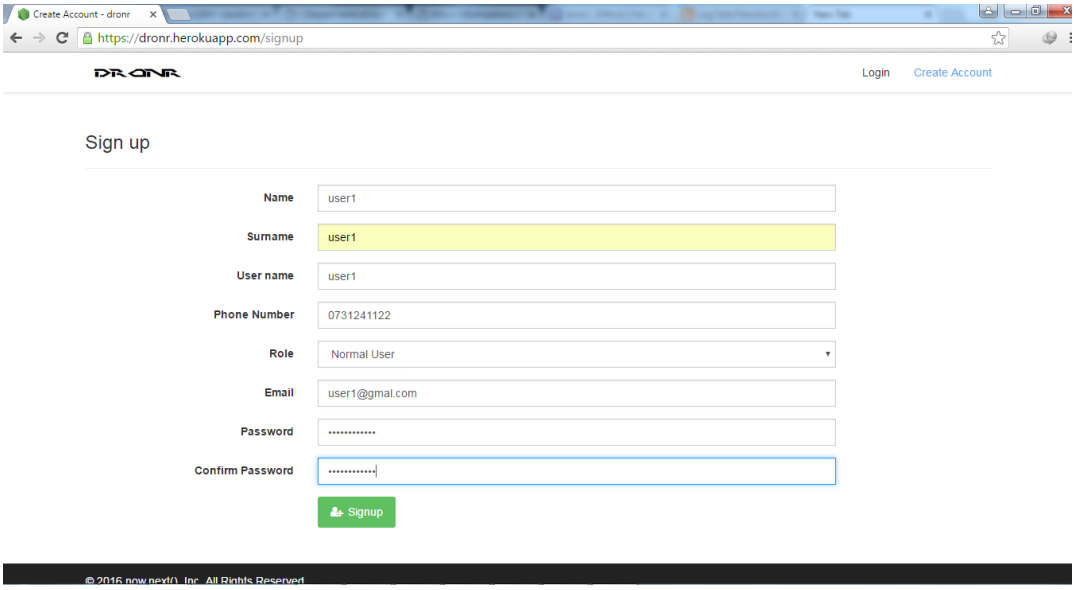
6. How to use Instructions



6.1 Signing Up for Dronr

Visit the Dronr website at https://dronr.herokuapp.com, Dronr allows you to create a drone mission and submit it for completion by independent drone operators listed in the company.

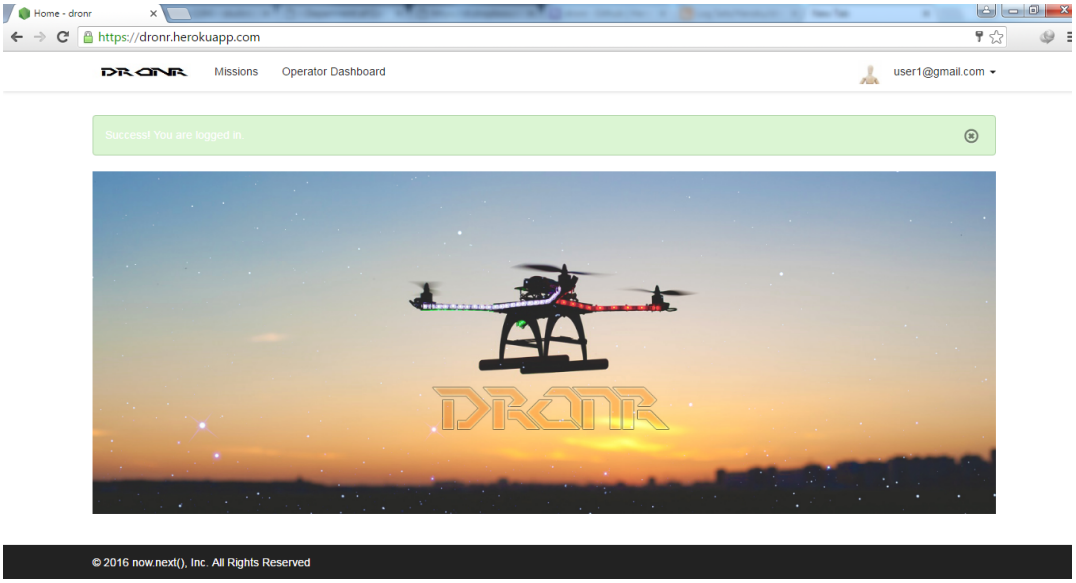
on Clicking the Sign Up link. You will be asked to create your portal account. Dronr will ask for your email, password, user name, surname, type of account (operator or normal user), phone number.



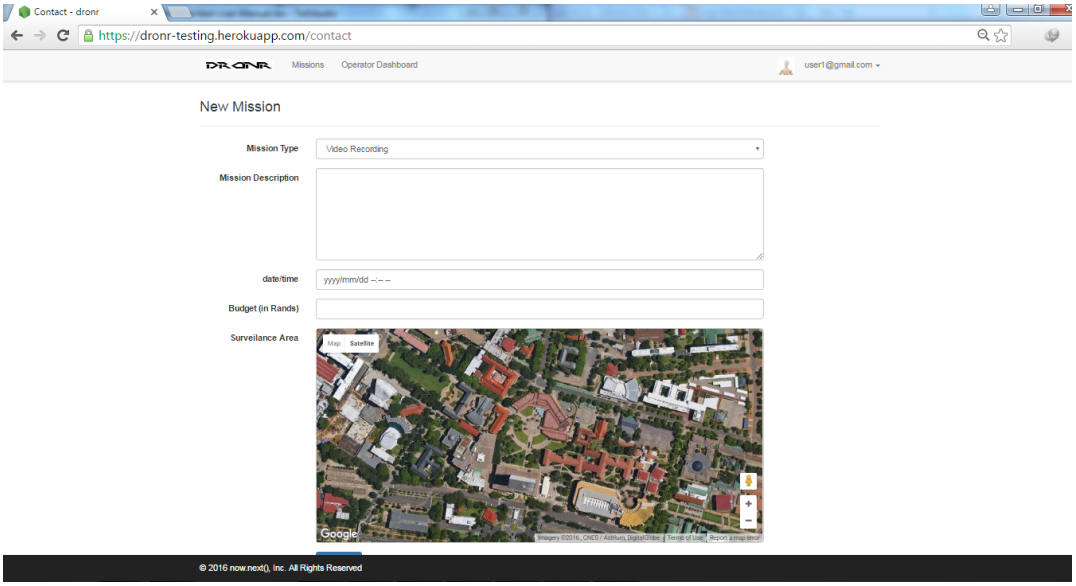
read the terms and conditions. Make sure you fully understand the terms and conditions that entail more information about our privacy policy before confirming your sign up, by clicking sign Up link.

Creating a Mission. The Dronr online service is available on-demand.

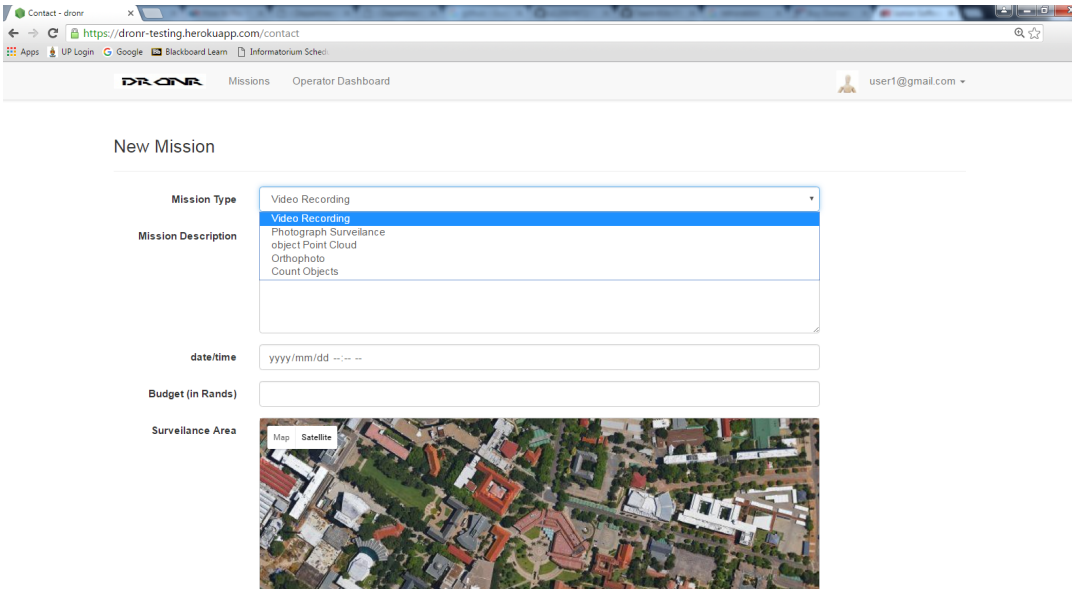
Sign in. Once you've successfully registered, You will be logged in automatically, but please keep your password safe for next time when you visit the site and authentication credentials are needed.



Choose Add Mission link. The missions menu shows all available options for missions, click option 1. 'Add Mission' . There are three two types of missions:



Video recording Choosing Video recording will be completed depending on compatible drones and video duration; secondly, in mission description text box, please provide a Clear description of what your video should contain; thirdly, in budget text box please provide an estimate of how much you can afford to pay for the mission; in addition, provide the time when your mission is due. Eventually, in map location, please mark your desired mission location on the map provided, select your 1st point, which is a point of take-off, for the drone, next points as well, until return to take-off point; lastly, your way points will allow you to add altitude for the drone to fly at during mission.



Photograph Choosing photograph will be completed quicker; secondly, in mission description text box, please provide a Clear description of what your picture should be, a multiple point, single point, cloud point image; thirdly, in budget text box please provide an estimate of how

much you can afford to pay for the mission; in addition, provide the time when your mission is due. Eventually, in map location, please mark your desired mission location on the map provided, mark your 1st point, which is a point of take-off, for the drone, next points as well, until return to take-off point; lastly, your way points will allow you to add altitude for the drone to fly at during mission.

Mission confirmation. On completion of filling in mission details, you will be asked to confirm this mission.

Wait for mission to be accepted. When your mission is accepted by the drone operator, you will be notified. Finally your mission will be executed by the qualified operator listed on our system.

View Completed Mission results. When the drone operator has successfully completed your mission, you will be notified and can find results of your mission on the portal, 1st Click on view my missions, select the mission with completed status, you can download or view mission.