

# Drone Empire

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## Introduction

Drone Empire is a web app , whitch perpose is to catalogy all drone parts on the market after thay have been tested from 3<sup>rd</sup> party (users). Therefore eliminating the marketing sceemes used by manifaturers to boost there sails and present there productks as better than the competition. The site also can be used as a massive catalogue to fing information on abscre part that have poor and/or not clear description of use. The information on the site shoud be clear and presentual of the real performance as it is comnity driven from randomly boughth and tested parts. The idea behinght originates from a form and youtube drone communitie that started to buy and test random drone camponents to show how unrealistic and potentially dangers the misleading specs can be, as for example an overloaded Li-Po battery can explode or catsh on fire. Unfortunatly the information on the for for pericular part is scattered and the videos are time consuming to watch in order to get the information that the person is looking for. That is why the site main perpose is to bea clean and as easy to read as possible, to maximise to user time.



This site provides all the necessary information on all the drone parts needed to build your perfect drone for racing or camera use. All the parts listed on this website have been tested by our crew to get the most realistic real life performance and statistics, removing the marketing scheme. We are proud of the community and work put into developing this web app and will keep improving it as fast as we can.

**FRAME**



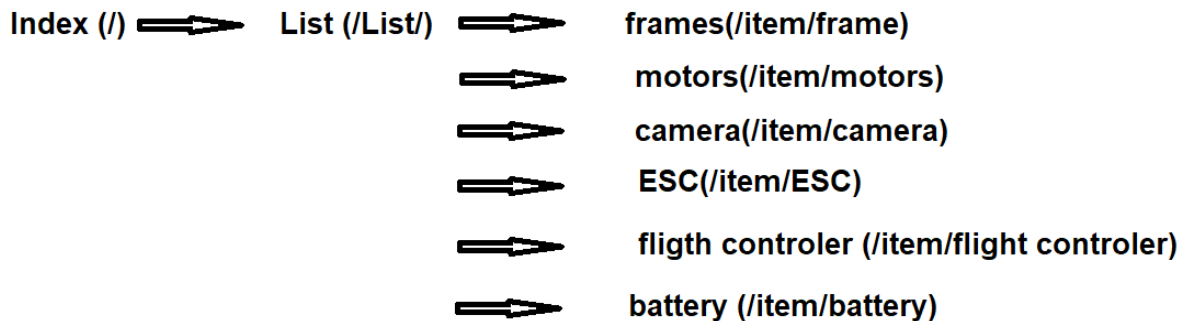
**FLIGHT  
CONTROLLER**



## Design

The design of the app is centered around easy use and obtaining the information that is needed as fast as possible. The initial page is clear containing short introduction of what the site is ment to do presenting the six main component of the drone as big buttons to choose from. The size of the buttons was determined by the clarity of the images used to indicate their function on a touch screen device as well as desktop machine. All the pages are ment to be scalable with large variety of devices and resolutions. Every component brought up the same template presenting an alphabetical list of parts that have been tested and stored in the system. The layout is easy to read and fast to navigate without any distractions, therefore a background was avoided to make it easier to navigate the site. The buttons are providing visual feedback to reassure the user that the right component was selected. Every list item is a link to the one of six item templates ment for their respective parts and use information provided by the function of the particular item. The item template followed the same rule as to avoid clutter and provide easy to read information organized the same way for all the items of the same type.

URL map:



## Enhancements

The features lacking at the current state is a search bar for quick access to a part without navigating the menu. Although not necessary as the number of parts on the market is not that great the drone industry is rapidly developing and new parts are beginning to be released more rapidly. The second most important will be a bigger and more detailed database for the items to provide the maximum information for every item, as well as video description and tutorial for beginners. The final need to have improvement is the addition of 3 more categories to cover the drone peripheral components like FPV gear, radio control and receivers and battery chargers.

## Personal Evaluation

I am satisfied by the menu aesthetics and navigation with the exception of the above mentioned search bar. The site is in some need of decoration that does not interfere with its usability and quick navigation. The last thing will be that the templates for the items need to be rearranged and structured in a better manner to accommodate more information and readability. A lot more items need to be added for the site to look finished.

## Personal Evaluation

The app need a lot of work to be completed, the idea is good but only represent a concept. The project war very time consuming, in the beginning the major time lost was to the use of unfamiliar new tools like pithon, flask and vim and near the end all the time was going toward imouting the information troo the SSH on to the server. The lack of visual interface makes some task a lot harder, like inputing large chinks of information of capying repetative information. Overow I fell better aquanted with all the tool used in the project and will have better time management using them in the future as thay provide nig advantages is some way, while costing more time to the user for some simplear tascks.

## Referances

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[https://en.wikipedia.org/wiki/Main\\_Page](https://en.wikipedia.org/wiki/Main_Page)

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<https://www.dronezon.com/learn-about-drones-quadcopters/drone-components-parts-overview-with-tips/>

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