

Drone Fleet UI

Dakota LeRoy

droneFleet



Register New Drone

Use Existing Drone

On the welcome page the user is prompted to either register a new drone or log in with an existing drone account and can press either button to proceed to the next screen.

Once one of the options has been selected, the “connecting” page appears on the user’s screen before the next page is loaded.

Connecting



login

If the user selects “existing” they are brought to the login page where they can fill in their username and password to access their drones.

If they select “register new” they are brought to the register page where they can submit a username, password and Unique Identification Number for the drone they are registering. The user has the ability to change their drone’s name inside the app. A drone’s name defaults to “Drone #” where # represents the number of active drones when the drone is registered.

register

Bluetooth *must* be on

register

Bluetooth Connected!

Okay

UID ?

Bluetooth *must* be on

Submit

Once the UID has been accepted, the user will be prompted that the Bluetooth handshake was successful.

The user has the option to press on the question mark next to UID for an explanation.

register

Unique Identification Number used to connect to Bluetooth

UID ?

Bluetooth *must* be on

Submit

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Settings



Profile



Manage



Video



Contact



Connection

This is the application's homepage where they are brought after logging in or registering. This page has six icons which map to all of the apps features: changing settings, viewing profile, managing drones, capturing video, contact us, and connectivity.

Note: I have not implemented an interface for the Video module since it has already been implemented. My vision was that this icon would link to the video capture feature and playback features.



Settings

Convert Units

Change Password

Change Drone Names

Change Username

Delete Account

The settings menu allows the user to change measurement units from miles to kilometers, change their account password, change the names of their drones, change their account username, or delete their account. The delete button is highlighted in red to prevent accidental account deletion. Pressing the white arrow button sends the user back to the homepage.



Profile

Username

Total miles flown: 10 mi

Active drones: 3



My captured videos

Log Out

The profile menu displays the user's account name, cumulative miles their drones have flown, the number of drones they currently have active, a link to videos captures by this user's drone, and the ability to log out of their account. Pressing the white arrow button sends the user back to the homepage.

Manage



Drone Name 1

Model: 00000  


Drone Name 2

Model: 00000  

Drone Name 3

Model: 00000  

Drone Name 4

Model: 00000  

Manage



Drone Name 1

Velocity: 10,000 ft/s

Acceleration: 10 mph

Status: online

Deactivate

Model: 00000  

Drone Name 4

Model: 00000  

The manage menu displays the user's registered drones and its information. By tapping on the name of a drone the user is able to see current information about the drone's status and has the option to deactivate the drone. Pressing the white arrow button sends the user back to the homepage.



Contact

FAQ

Troubleshoot

Live chat

Feedback


The contact menu gives the user access to frequently asked questions to avoid hassle, a troubleshooting manual, a live chat feature for things not included in the FAQ, and an option to provide feedback. Pressing the white arrow button sends the user back to the homepage.

< Connection


Online Drones

Drone 1  turn off

Offline Drones

Drone 2  turn on

Drone 3  turn on

Drone 4  turn on

Register New Drone

The connection page menu the user's online and offline drones. The user can change the a drone's status from online to offline or offline to online by touching the power icon. This will refresh the list and the drone will appear under its newly update on or offline status. The user can also register a new drone here by clicking "register new drone." This will bring them back to the register pages (shown below). Pressing the white arrow button sends the user back to the homepage.

register

Drone Name

Password

UID ?

Bluetooth must be on

Submit

register

Unique Identification Number used to connect to Bluetooth

UID ?

Bluetooth must be on

Submit

register

Bluetooth Connected!

Okay

UID ?

Bluetooth must be on

Submit