

? This is how it looks like if we put the tags on the list.
A little busy...

12 Routes in Database

Filter

+ Add a New Route

NAME / ID of Route

Tags: river south bend search ...

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Tags: tag1 tag2

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Tags: tag1

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Tags: tag1 tag2 tag3 tag4 ...

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Tags: tag1 tag2 tag3 tag4 ...

Created: Jun 3, 2017, 9:24 AM

Tags

river south bend tag1 search tag2 tag3 tag4

Length Range (miles)

1.4 3.5

0.4 5.8

Clear Filter Apply Filter

Active Flights

Flight Routes

UAV Meta-Data

12 Routes in Database

Filter

+ Add a New Route

NAME / ID of Route

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Selected Route

Created: Jun 3, 2017, 9:24 AM

Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Created: Jun 3, 2017, 9:24 AM

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Last modified: Jun 8, 2017, 11:04 AM

Total length: 2.1 miles

NAME / ID of Route

Created: Jun 3, 2017, 9:24 AM

NAME / ID of Selected Route (5 waypoints)

Tags: river south bend search ...

Edit Delete

Table View

Editing Route

Left click to add a new waypoint. Right click to finish drawing and add a finish point. Drag waypoints to move.

Cancel Save

5

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

Left click on the map to append a waypoint

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

Left click on the route to add a waypoint

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W
Altitude: 12 m

Remove Waypoint

NAME / ID of Selected Route (5 waypoints)

Tags: river south bend search ...

Edit Delete

Table View

Editing Route

Left click to add a new waypoint. Right click to finish drawing and add a finish point. Drag waypoints to move.

Cancel Save

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

Left click on the map to append a waypoint

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

Left click on the route to add a waypoint

6

Latitude: 35° 15' 36"N
Longitude: 100° 56' 6"W

Left click on the map to append a waypoint

Hide Table View

#	Longitude	Latitude	Altitude	Approaching Speed	

0 There needs to be a loading screen (with progress bar/active indicator) before entering this view.

1 By default, the routes are sorted by name/id. ???Do we need a sorting function? Maybe not for now???
If the Name/Id is too long, truncate it to fit in one line and show "...". (e.g. "This is supposedly a really long na...")

2 Show the filter view when clicked on the filter link/button.

3 When the "Add a New Route" button is clicked, a modal window pops up and asks users to input the name and tags for the new route. Two actions/buttons on the window:
- "Cancel" to cancel adding the route
- "Draw Route" to add a new route, auto-select the route, and enter the Editing Mode.

4 When no route is selected, here shows "No route is selected" and the map does not display any route (only shows the area map). When a route is selected, here shows the name and the tags of the route; and the route is displayed on the map.
The name and the tags are in-line editable, meaning it can be edited when user clicks on it; but saving requires confirmation.

5 Always show coordinate when the mouse moves on the map.
When a route is shown on the map, the waypoints will change color when the mouse moves on it (and ideally the mouse would snap to the waypoints).

6 The map enters the editing mode if the user clicks the "Edit" button of a route or creates a new route.
-- For new routes, the user clicks to add waypoints, and a straight line connects the last the waypoint and the cursor. Users could right click to finish drawing a route.
-- When editing a route, the user can drag existing waypoints (to update its location), remove existing waypoints, add waypoints within the route by clicking on the route, and add waypoints after the finishing point by clicking on the map.
When the "Save" button is clicked, check if there are current flights using the modified route. If so, list all flights affected and ask the user if s/he wants to change the route of the current flights.