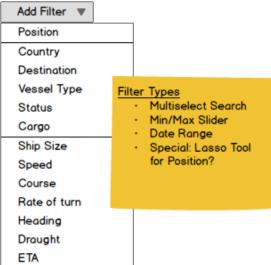
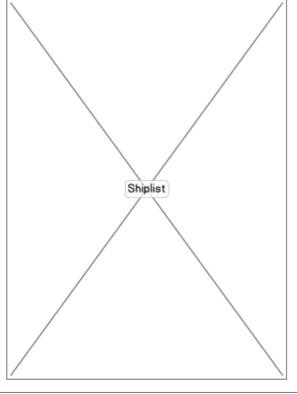


# Add Filter - Expanded View



## Search Panel - Saved Searches





## Complex Searches

If want more complex searches joined by an OR, can just save multiple AND filters and select them under the saved searches

Ex: (Country == Canada AND Speed BETWEEN 0 AND 12) OR (Country == US AND Speed BETWEEN 100 AND 200) For this case,

- 1) Create two different saved searches with country and speed, and
- 2) Selected both under saved searches

Might want to even group searches in the future?

## Preferences - Other Recommendations

If want AND at a higher level use:

#### Persistent Filters

- User can have persistent filters (e.g. if they ALWAYS want to see only Canadian ships, this is a user preference)
- Use AND operator between user preferences and layer filters

# Modal Dialogs - Types of Filters



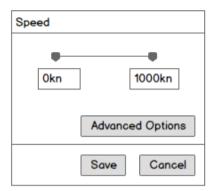
## Multiselect search

Use this format for:

- Country
- Vessel Type
- DestinationStatus
- Status
  Carao

This design assumes that you can query for all distinct values of countries for all the ships.

If needs to allow user to use own string, use jquery-like autocomplete.





Use this format for:

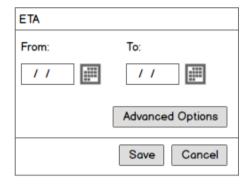
- · Ship Size (length and width)
- Speed
- Course
- · Rate of Turn
- Heading
- Draught

For each filter, need to know

- Units
- · Default min/max values

## **Advanced Options**

 User might want to filter multiple ranges (e.g. 1-12, 60-70)



## Date Range

Use this format for:

- · ETA
- Latest Position
  Timestamp (if needed)
- Latest Report Timestamp (if needed)

## **Advanced Options**

 Filter multiple ranges (e..g May 12-13 OR June 14-15)

# Other Design Notes

### Search Panel - Collapsable?

# Q: Should the search/ filter panel be collapsable?

- Advantage: more horizontal real estate
- Disadvantage: number of visible ships change

### Depends on:

 how much they will use the search, filter, and ship list functionality vs. the map

#### Decision:

 refresh after expanding or collapsing panel (already does this when resizing browser)

#### Other Recommendations:

 ability to resize the search panel would be good, but the ship list and number of visible ships would need to refresh