

# Welcome to the Operational Planning Team!

Purchased Desi

- winged

- winged

- base

Team Plans

aiPlan

manual

Plan Metrics

Profit (\$) : 1500

Operating Cost (\$) : 2301

StartUp Cost (\$) : 10730

Number of Deliveries : 7

Weight Delivered (lb) : 15

- Parcel (lb) : 15

- Food (lb) : 0

Submit

Path updated

Delivery weights (lb)  
house scale

Parcel

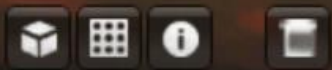
Food

Warehouse

# Information Flow

You will be receiving highlighted customer locations from your team's business manager (to deliver parcel and food) and drone designs from your team's designers

Your role is to develop routes for a fleet of drones that maximize profit by delivering parcel and food to customers while satisfying a budget constraint.



Purchased Designs



Team Plans

aiPlan

manual

1 mile



Profit (\$) : 150  
Operating Cost :  
StartUp Cost :

Number of Drones

Weight Delivered (lb) : 15  
- Parcel (lb) : 15  
- Food (lb) : 0

Submit

Path updated

s (lb)  
scale

Food

Warehouse

# General Guidance

1) Add Design(s) to Your Purchased List



2) Select a Design to Add a Delivery Path, and Add Delivery Paths for Each Design Using Mouse Clicks

2a) OR, Use Your AI Agent to Generate a Delivery Plan for All Designs

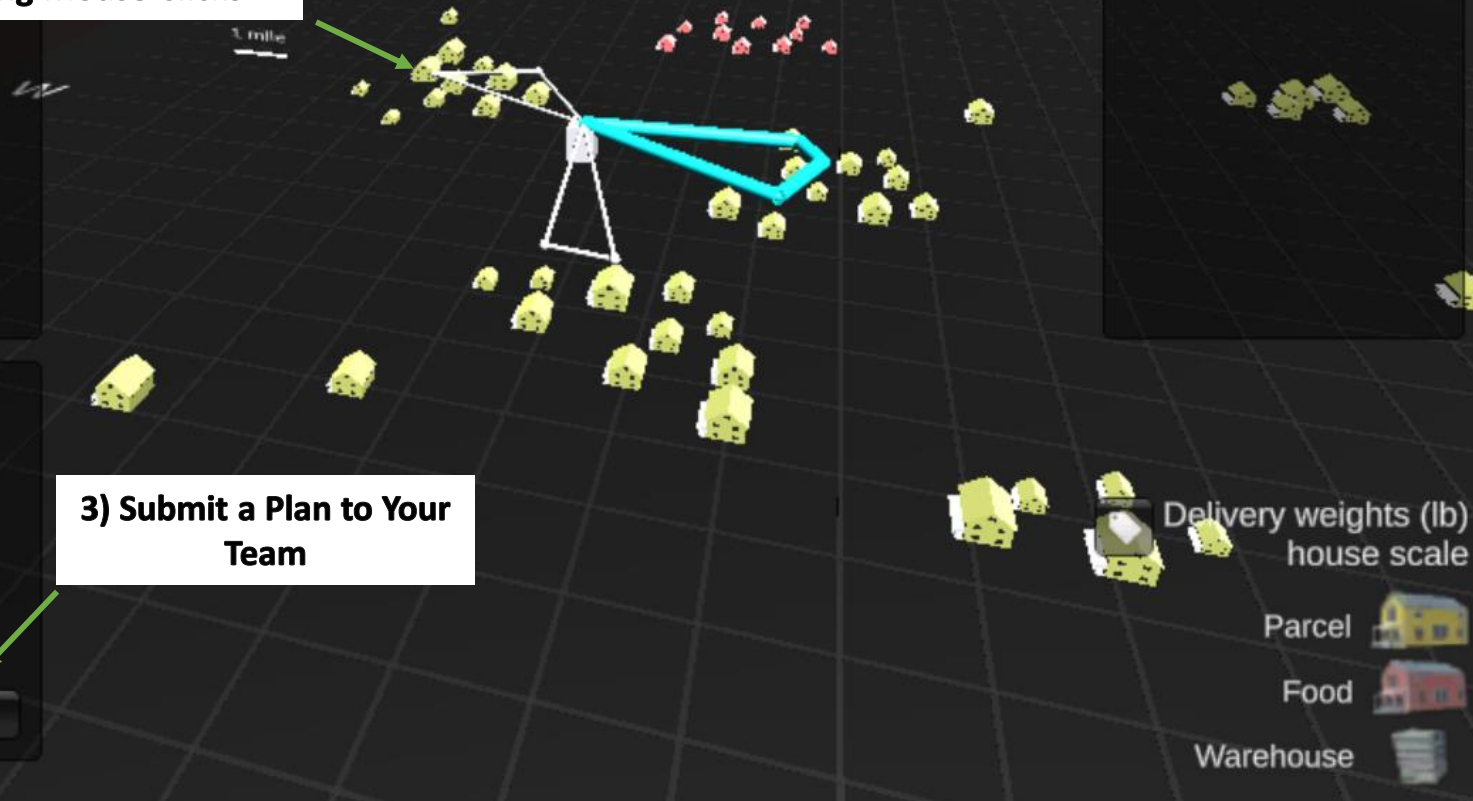


3) Submit a Plan to Your Team

4) Load Plans from Your Team and Open/Edit

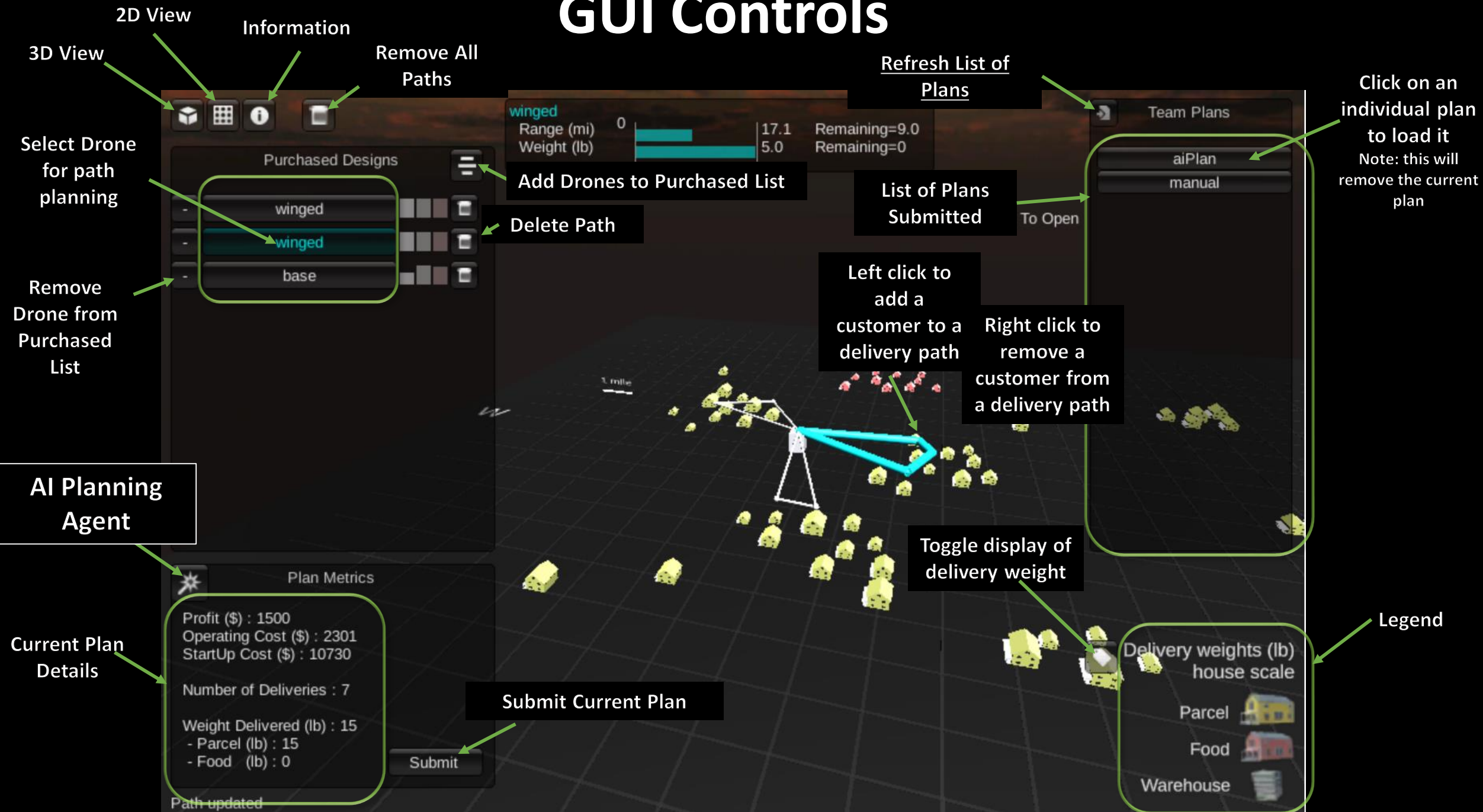


Path updated

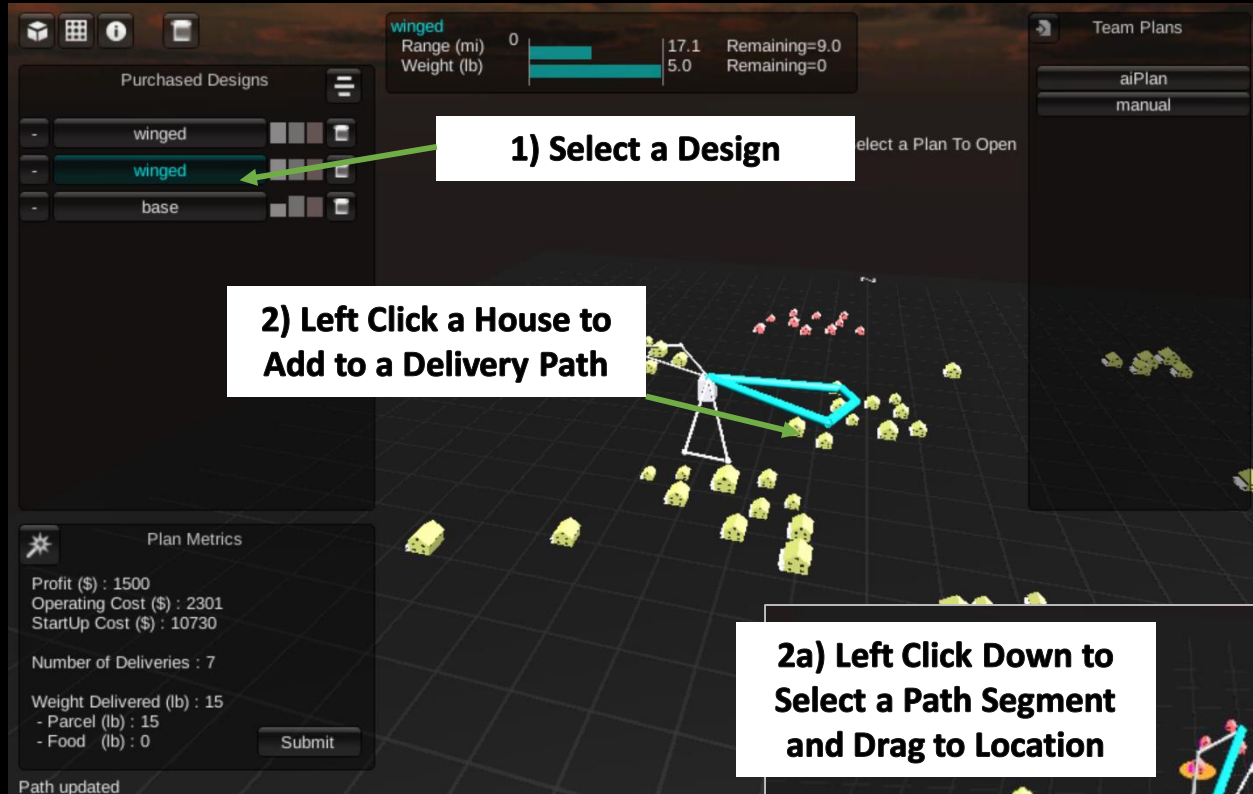




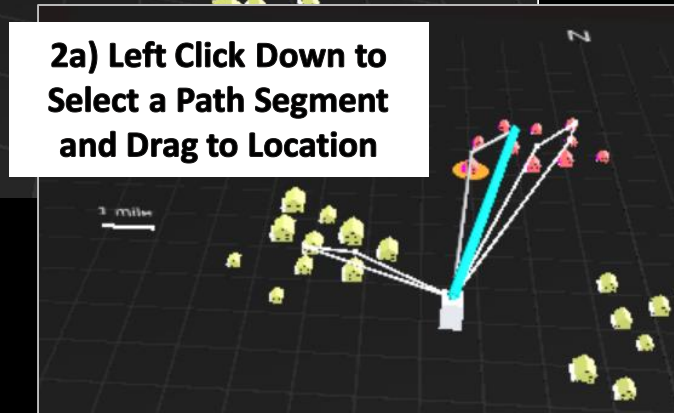
# GUI Controls



# Manual Path Planning

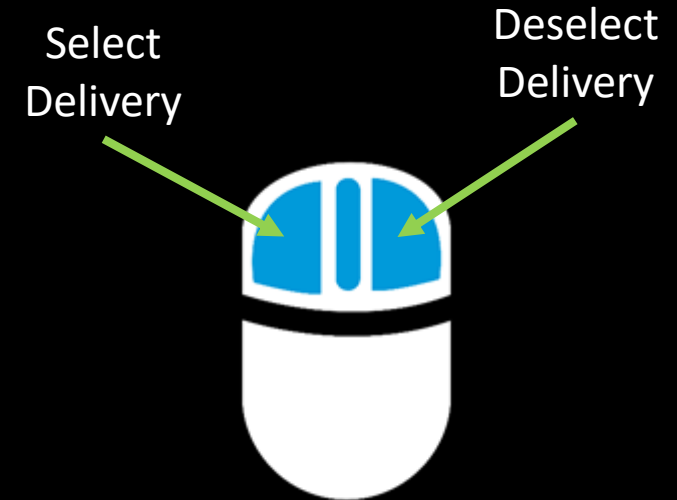


Larger Houses indicate higher demand  
Note: this demand can be displayed as delivery weight.



Path planning:

Hover the cursor over a delivery location



Note: Deliveries must be added to the path plan in the order they will be made. Deliveries can be removed from the plan in any order.

# Path Planning AI Agent

The interface displays a 3D map with a central drone icon and several yellow house icons representing delivery points. White lines radiate from the drone to some of the houses, indicating the planned delivery paths. A scale bar labeled '1 mile' is visible on the map. The top right corner shows 'Return AI Plan : Success' with a green indicator. The left sidebar contains a 'Purchased Designs' section with a list of drone types: 'base', 'winged', and 'winged'. A green box highlights the 'winged' entries, and a green arrow points from the text '1) Add Purchased Drones' to this box. Below this, a 'Plan Metrics' section shows various statistics, and a green arrow points from the text '2) Run AI Planning Agent' to a star icon. A central text box explains the agent's goal: 'Your AI Planning Agent Will Calculate a Drone Delivery Plan That Attempts to Maximize Delivery Weight to Customers'. The right sidebar shows 'Team Plans' with 'aiPlan' and 'manual' options. A legend at the bottom right identifies icons for 'Parcel', 'Food', and 'Warehouse'.

Return AI Plan : Success

Team Plans

- aiPlan
- manual

Purchased Designs

Selects winged , range = 17.1 mi , capacity = 5 lb , \$3630

base

winged

winged

1) Add Purchased Drones

2) Run AI Planning Agent

Your AI Planning Agent Will Calculate a Drone Delivery Plan That Attempts to Maximize Delivery Weight to Customers

Plan Metrics

Profit (\$) : 2500  
Operating Cost (\$) : 3507  
StartUp Cost (\$) : 10730

Number of Deliveries : 9

Weight Delivered (lb) : 15

- Parcel (lb) : 5
- Food (lb) : 10

Submit

Path updated

Delivery weights (lb)  
house scale

Parcel

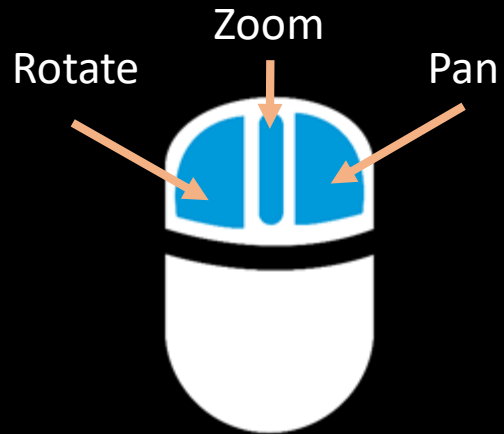
Food

Warehouse

# 3D Scene Movement

## Mouse

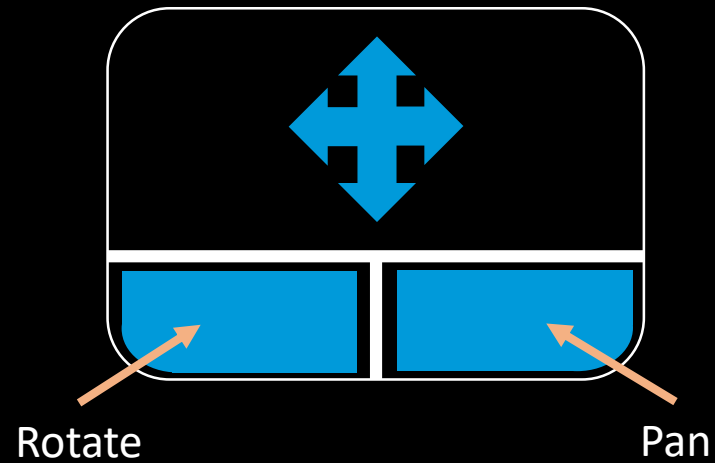
Click + drag



Zoom: **Shift** + drag

## Laptop Touchpad

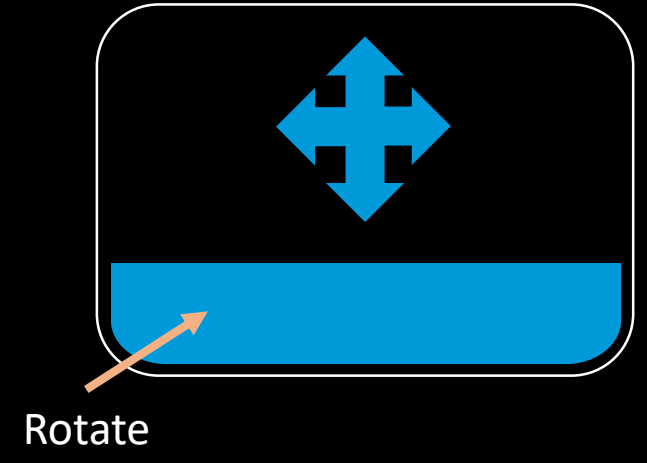
Click + drag



Zoom: **Shift** + drag

## Mac Tracpad

Click + drag



Zoom: **Shift** + drag