

Welcome to the Operational Planning Team!



Team Designs



Team Plans

4 drones plan B

4 drones plan A

test

1 mile

Plan Results

Profit (\$) : 3400
Operating Cost (\$) : 318
StartUp Cost (\$) : 13746

Number of Deliveries : 34

Weight Delivered (lb) : 34
- Parcel (lb) : 34
- Food (lb) : 0

Submit

Path updated

Delivery weights (lb)
house scale

Parcel

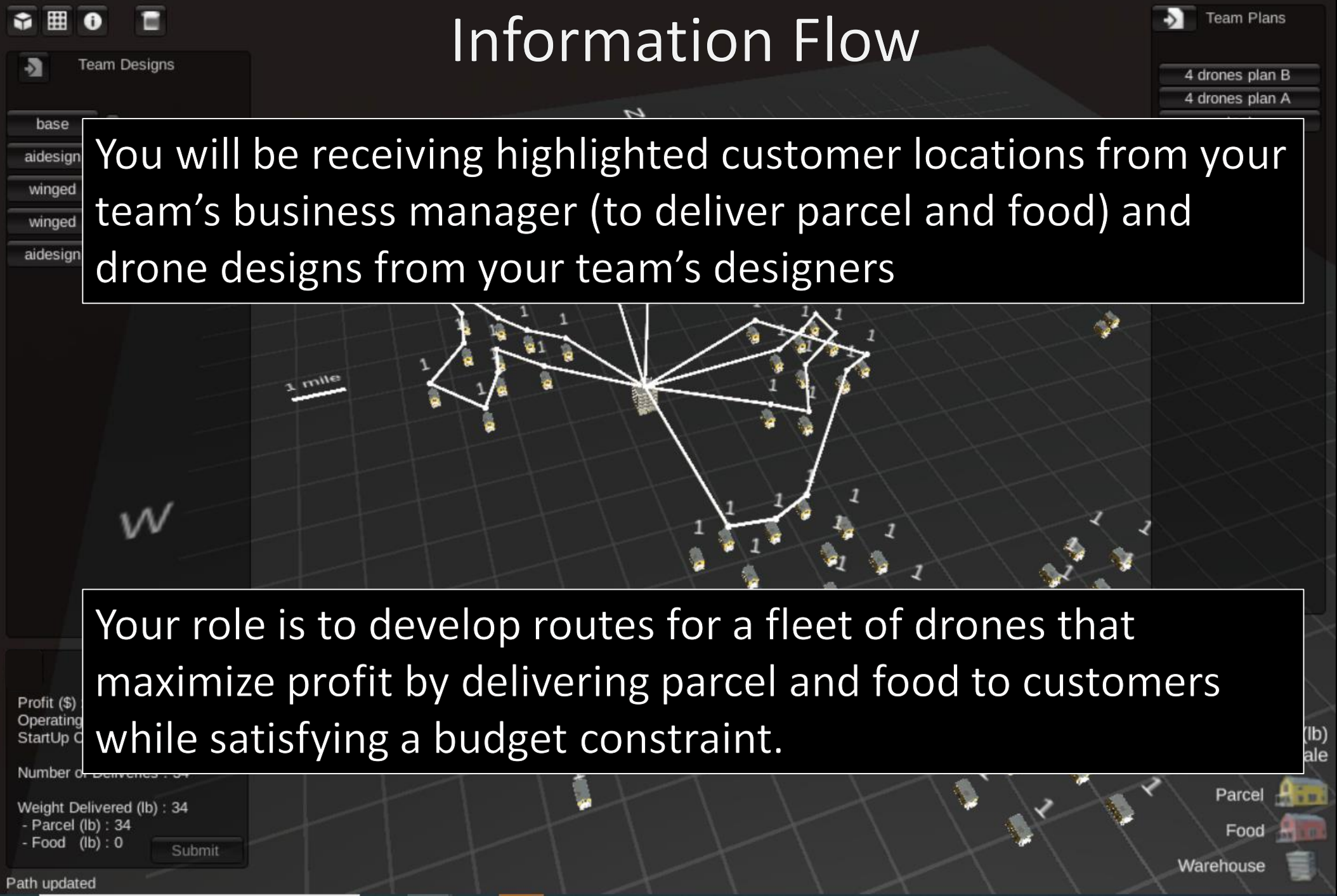
Food

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.



General Guidance

The screenshot shows a 3D simulation of a drone delivery system. A central base has several paths radiating outwards, each ending at a delivery point marked with a small drone icon. The interface includes a 'Team Designs' panel on the left, a 'Team Plans' panel on the right, and a 'Plan Results' panel at the bottom left. A chat window on the right displays system messages and a team question.

1) Load the Selected Market from Your Business Manager

2) Select/Toggle a Design(s) to Include in the Plan

3) Add individual Paths for Each Design Using Mouse Clicks

4) Submit a Plan to Your Team

5) Load Plans from Your Team and Open/Edit

6) Communicate with other members of the Team

Team Designs

- base
- aidesign
- winged
- winged
- aidesign

Team Plans

- 4 drones plan B
- 4 drones plan A
- test

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Operations Manager Info

All

Business - Mgrs

System : A new plan has been submitted. Please click the refresh button on the top of your screen (next to Team Designs) to see the new plan

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Operations Manager : Design Team: can you build a drone that can carry 15 lbs?

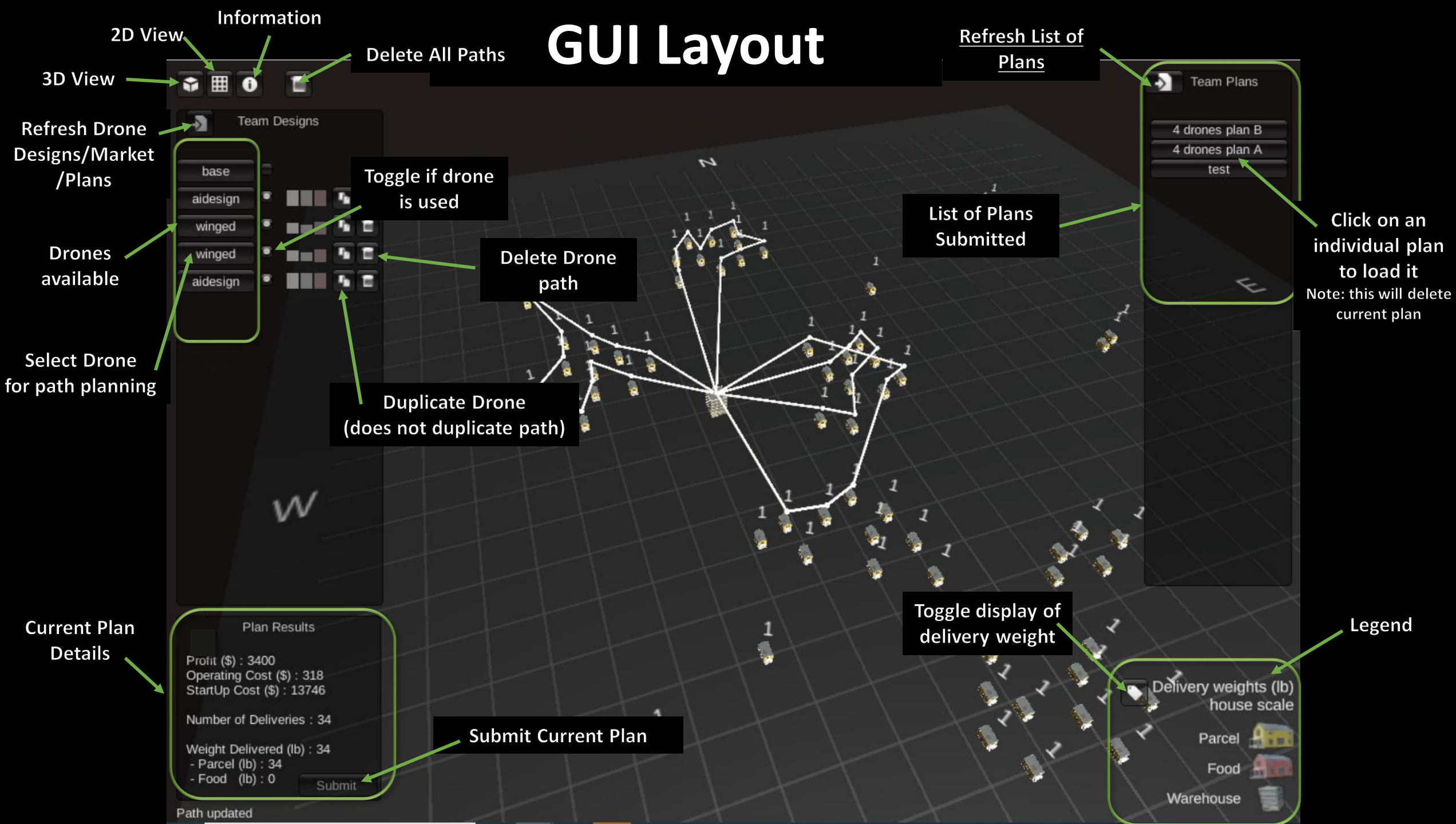
Operations Team

Help

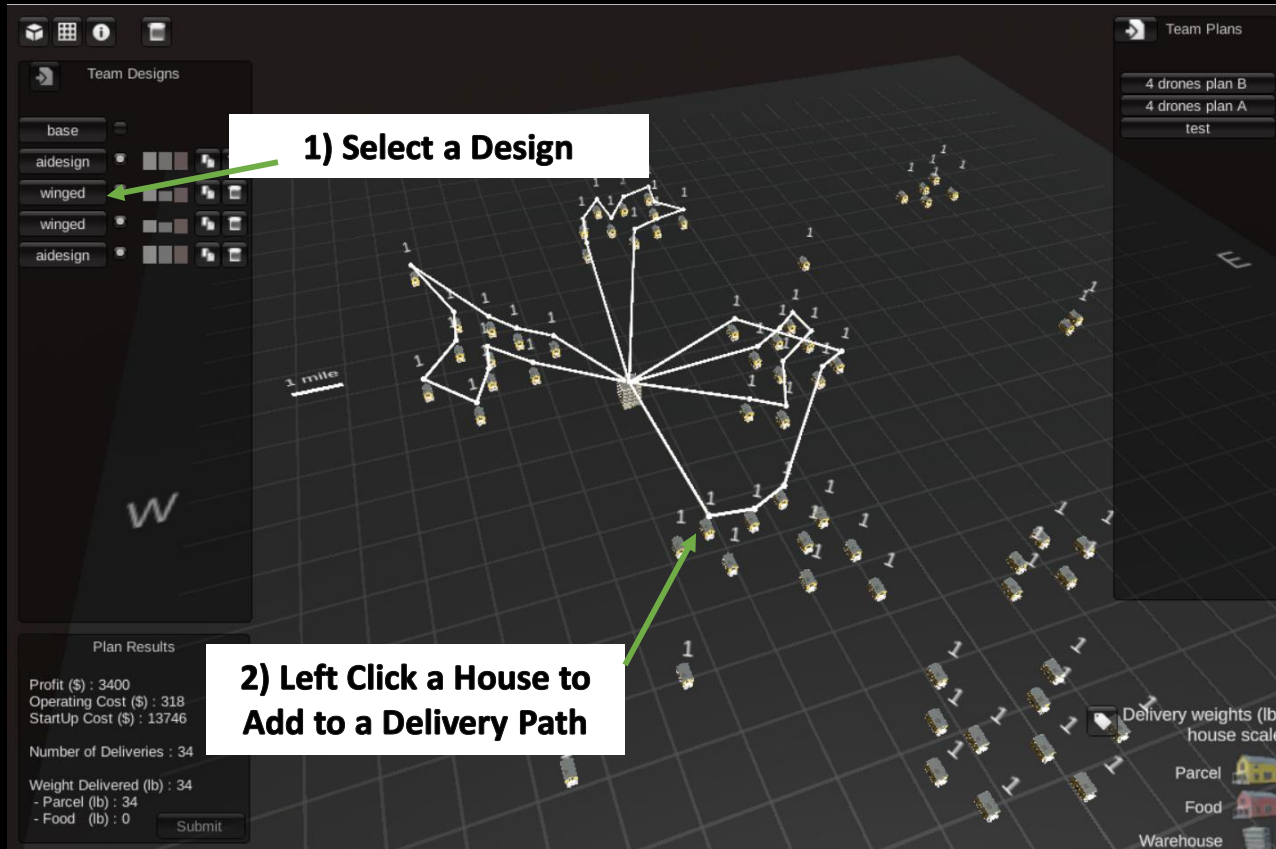
Type Here Send

logout

GUI Layout



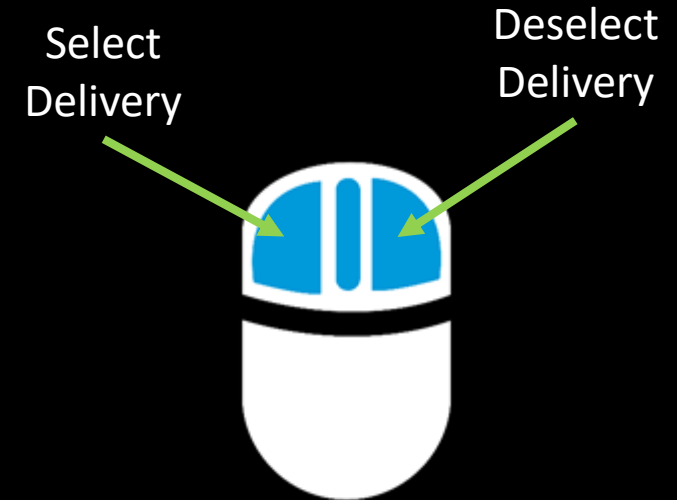
Manual Path Planning



Larger Houses indicate higher demand weight

Path planning:

Hover the cursor over a delivery location

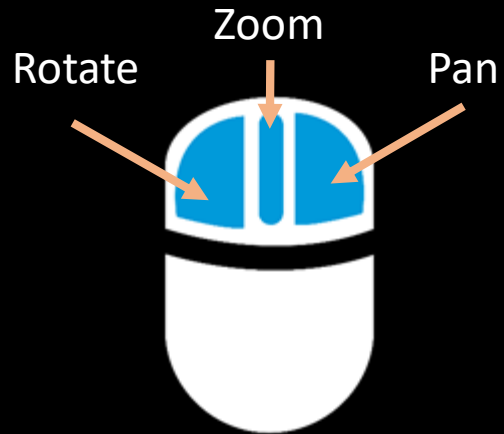


Note: Deliveries must be added to the path plan in the order they will be made. Deliveries can be removed from the plan in any order.

3D Scene Movement

Mouse

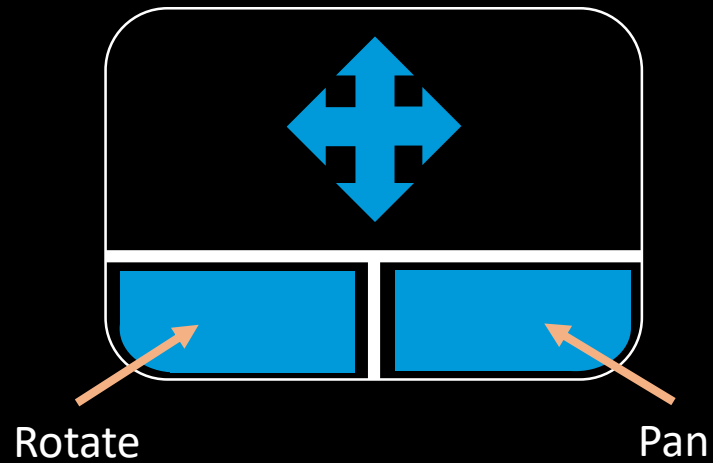
Click + drag



Zoom: **Shift** + drag

Laptop Touchpad

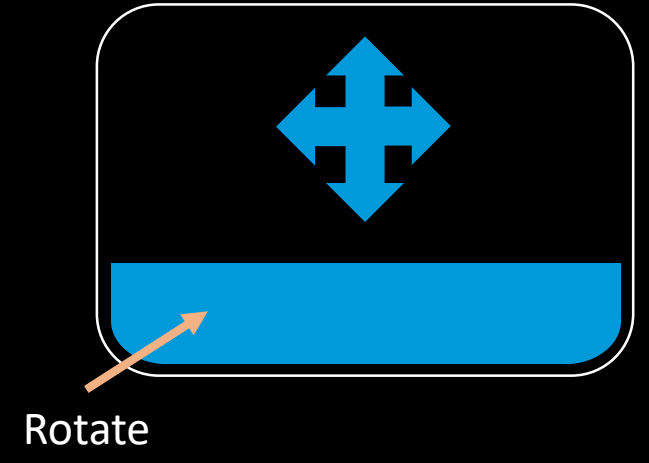
Click + drag



Zoom: **Shift** + drag

Mac Tracpad

Click + drag



Zoom: **Shift** + drag