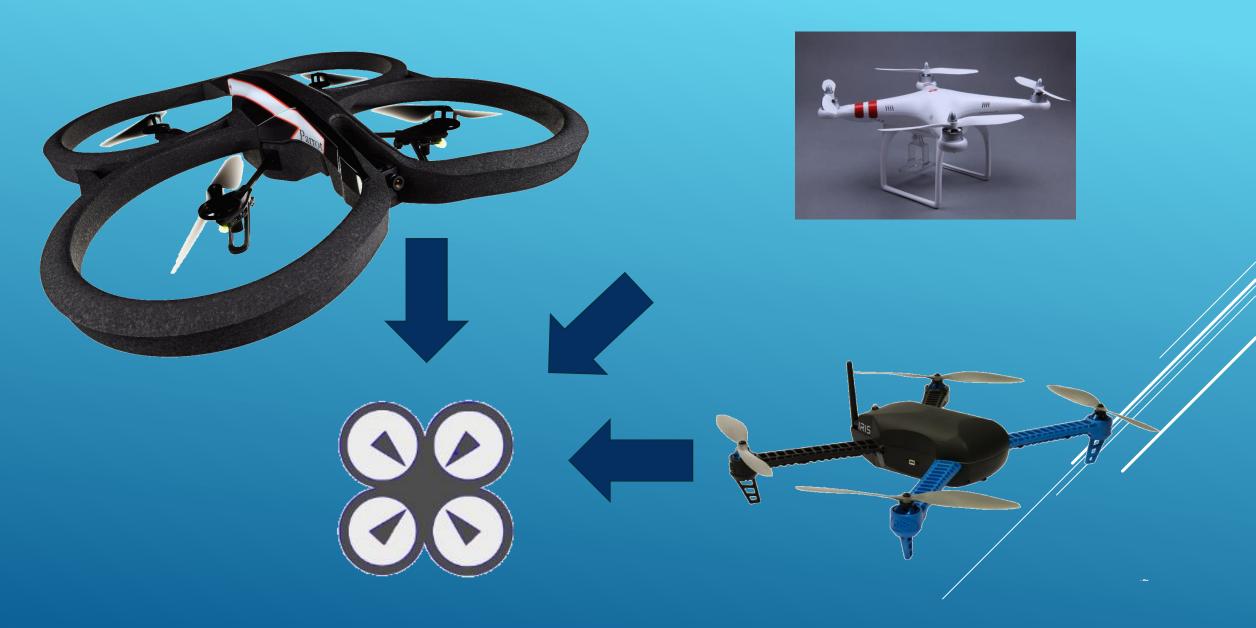
DRONE TRACKING OPERATION

Duke Humans and Autonomy Lab

TABLE OF CONTENTS

- Beginning Tracking
- Option 1: From Drone icon (on screen)
- Option 2: From Drone icon (in sidebar)
- Option 3: From Animal icon (in sidebar)
- ► Creation of Route
- Operation proximity of animal
- ► Video operation
- Returning Home
- ▶ Loitering



OBJECTS

CONTROLS





Home (Location of User)



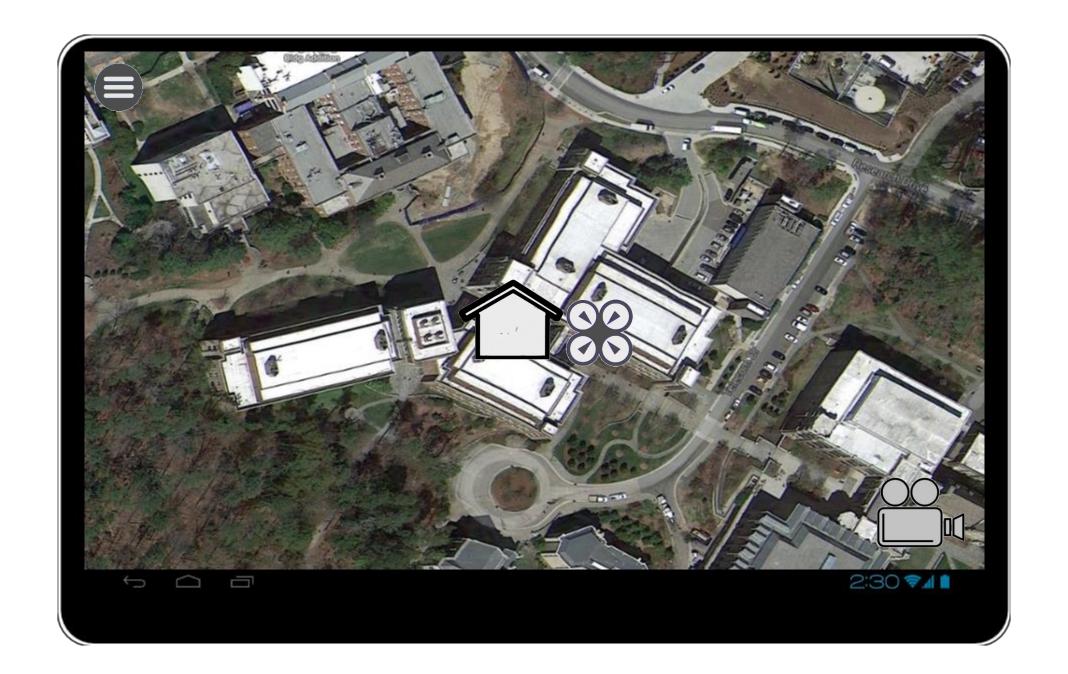
Tracking UAV

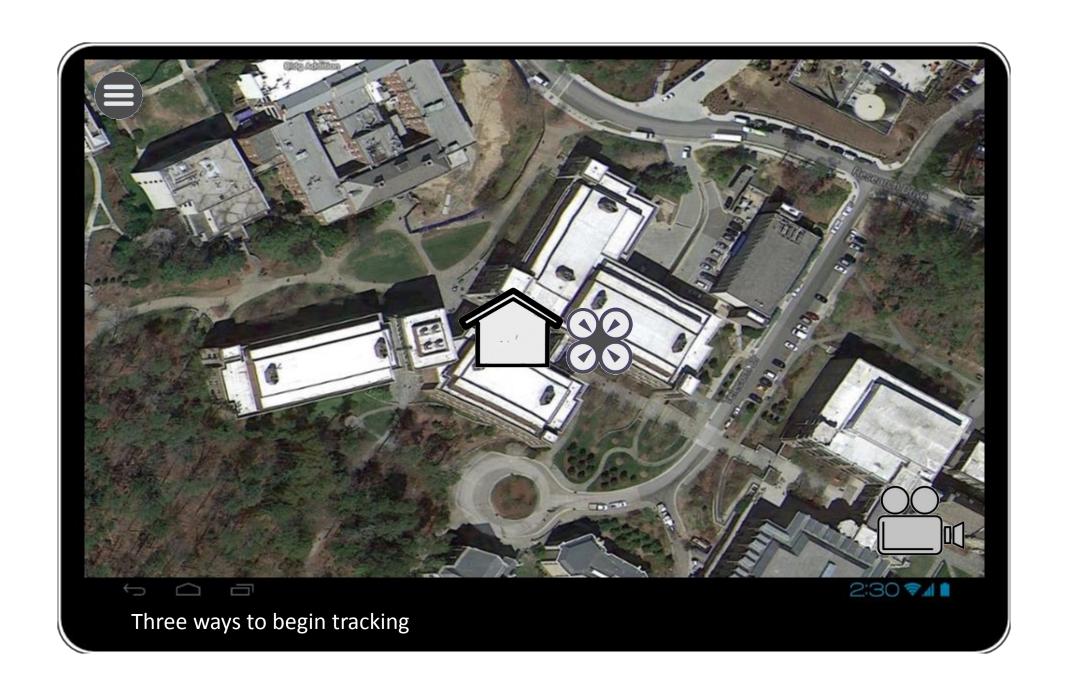


Animal (Target for Tracking)

Loiter (Hover in Place) Take Off Land Return Home Display Video Feed

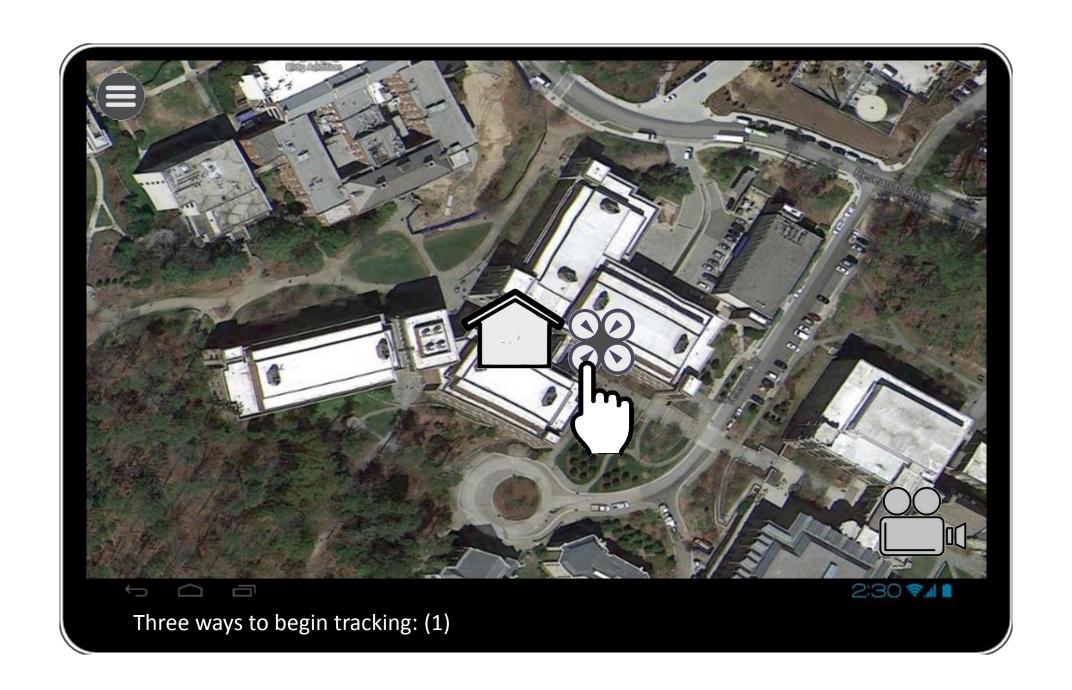


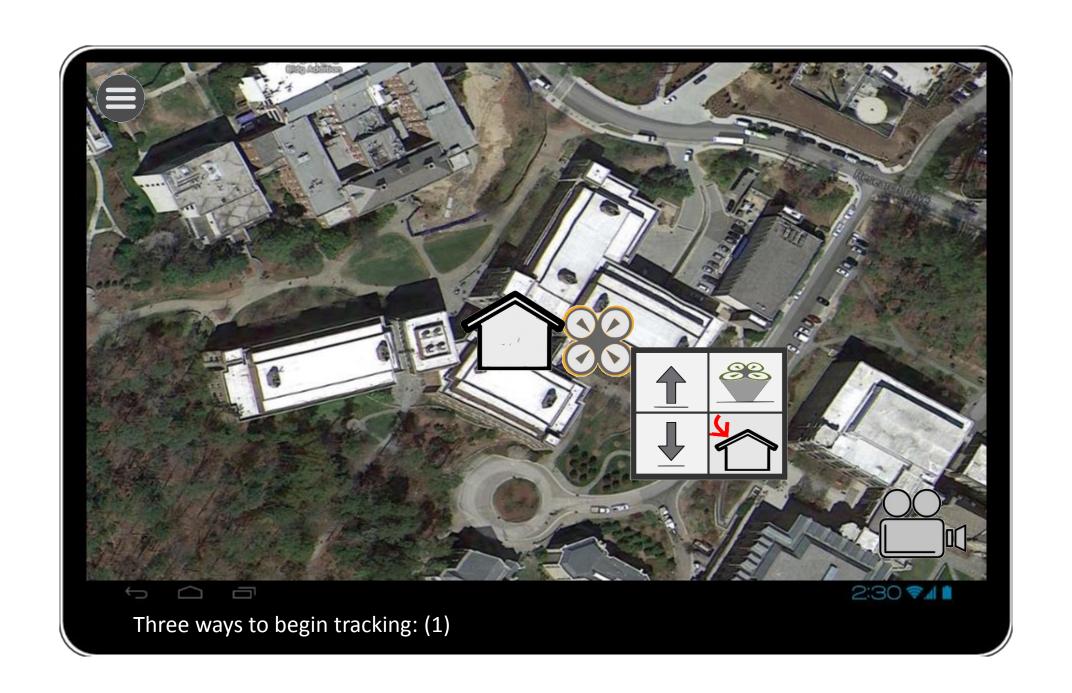




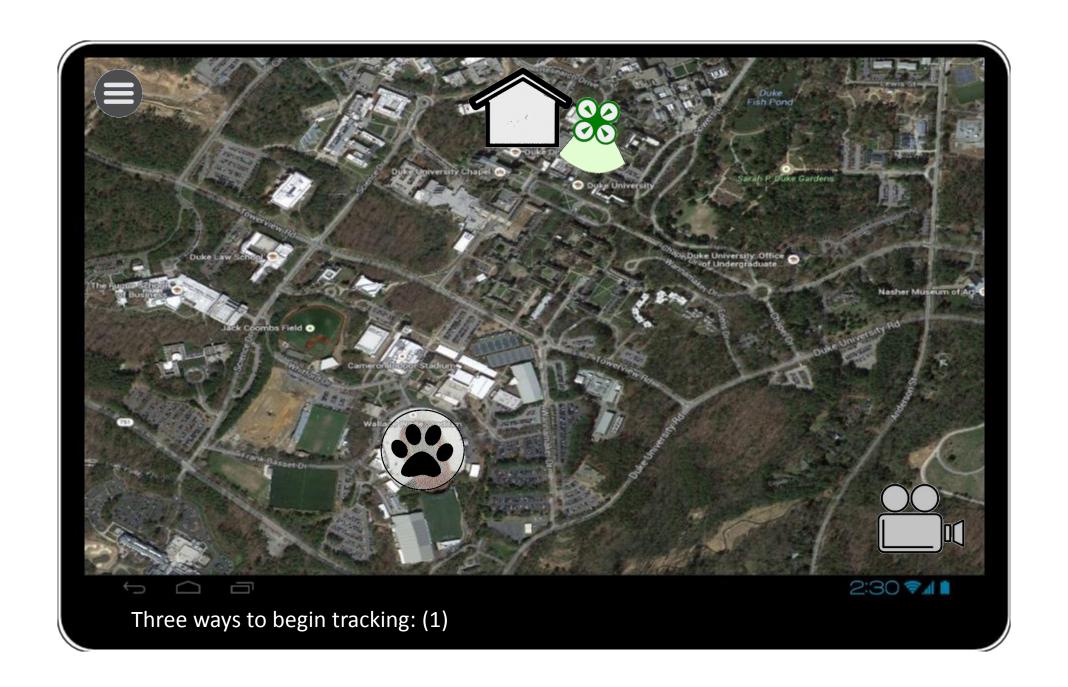
OPTION 1

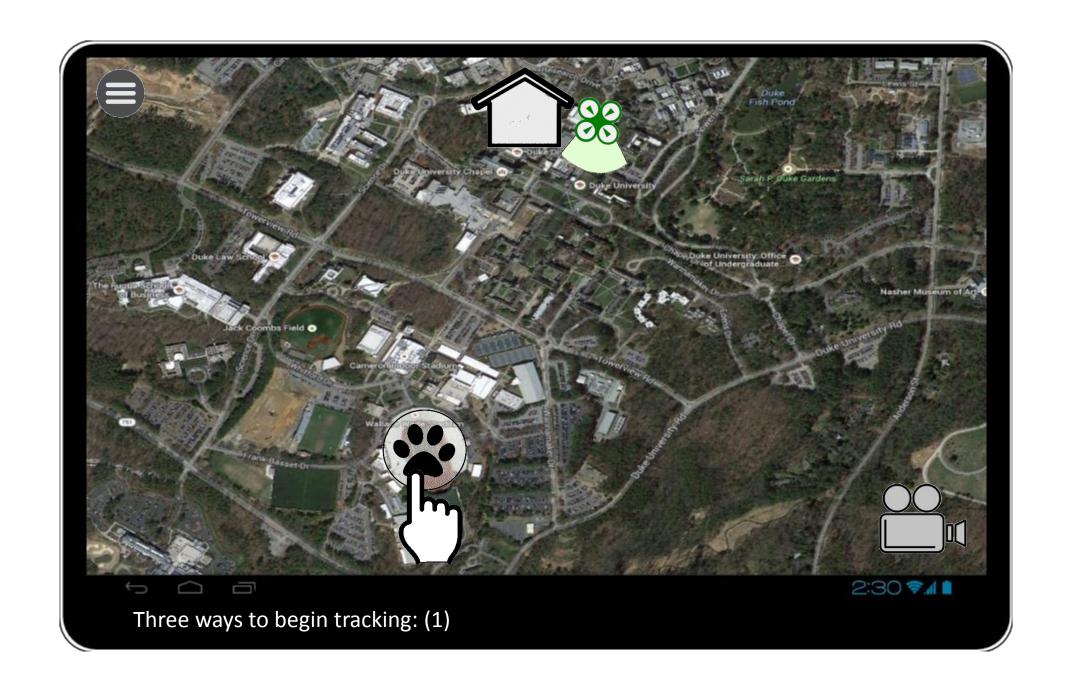
From Drone icon (on screen)

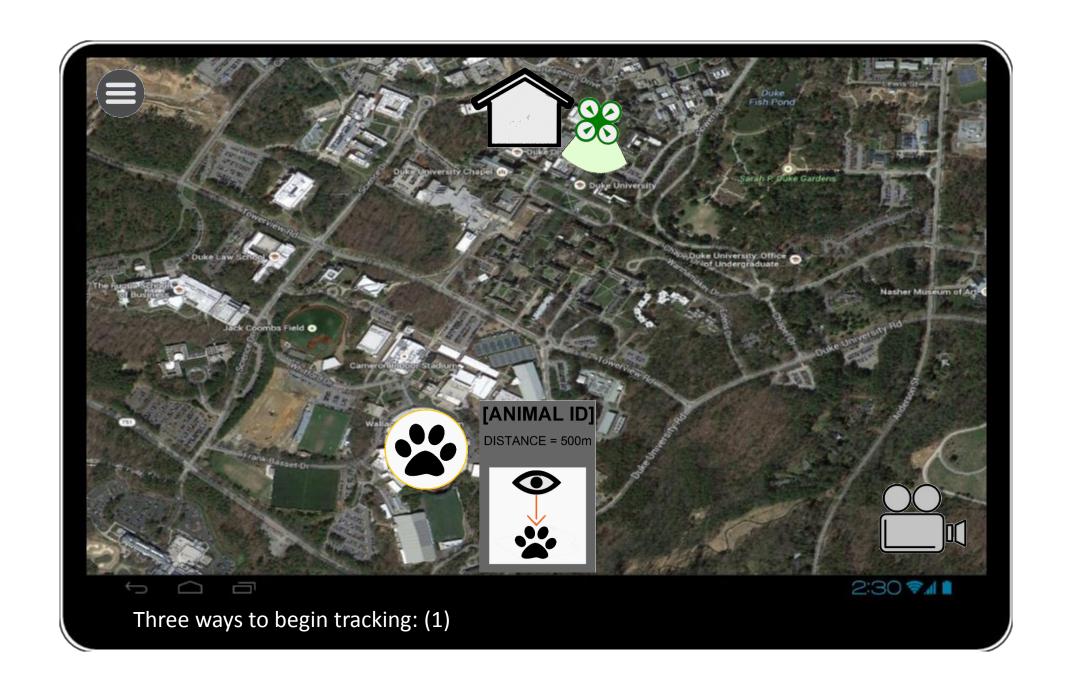










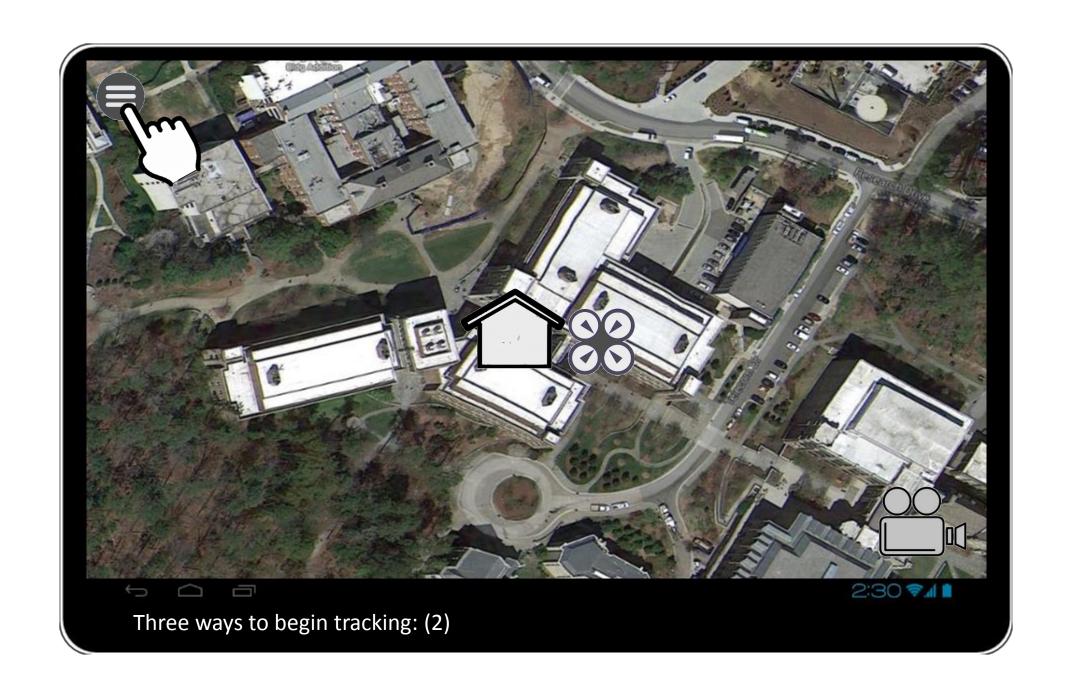


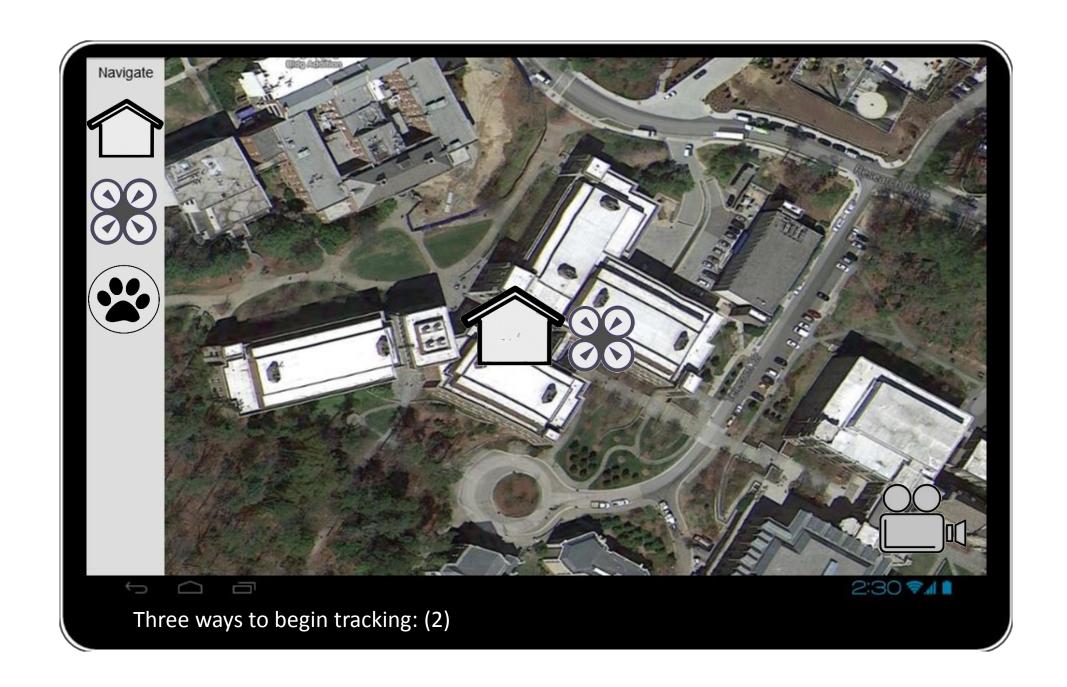


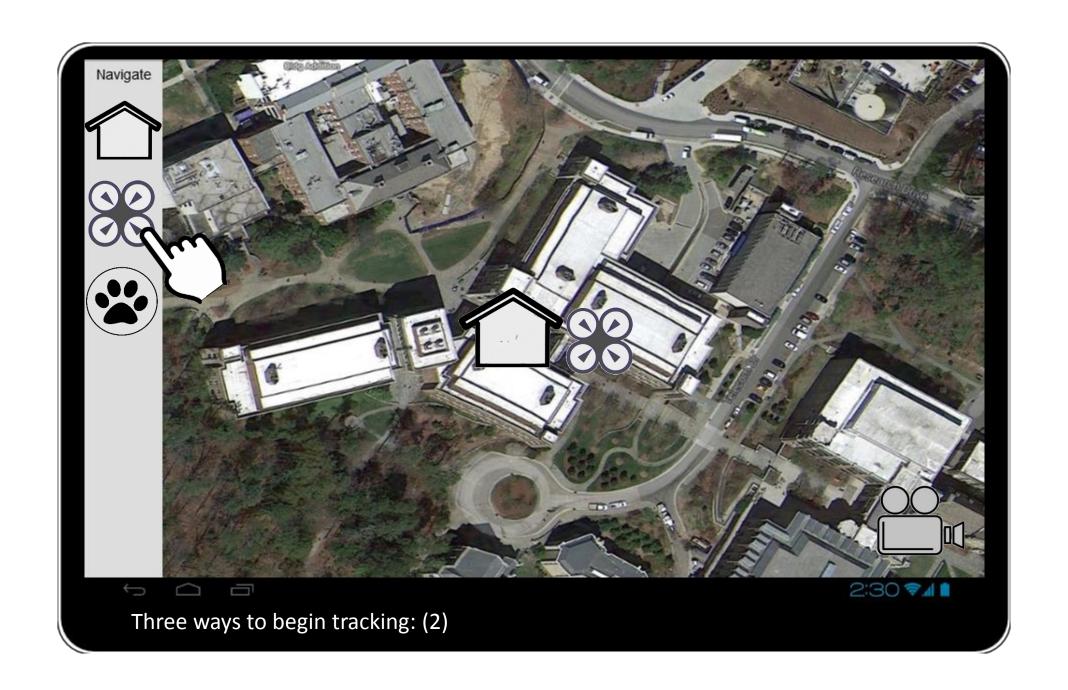
OPTION 2

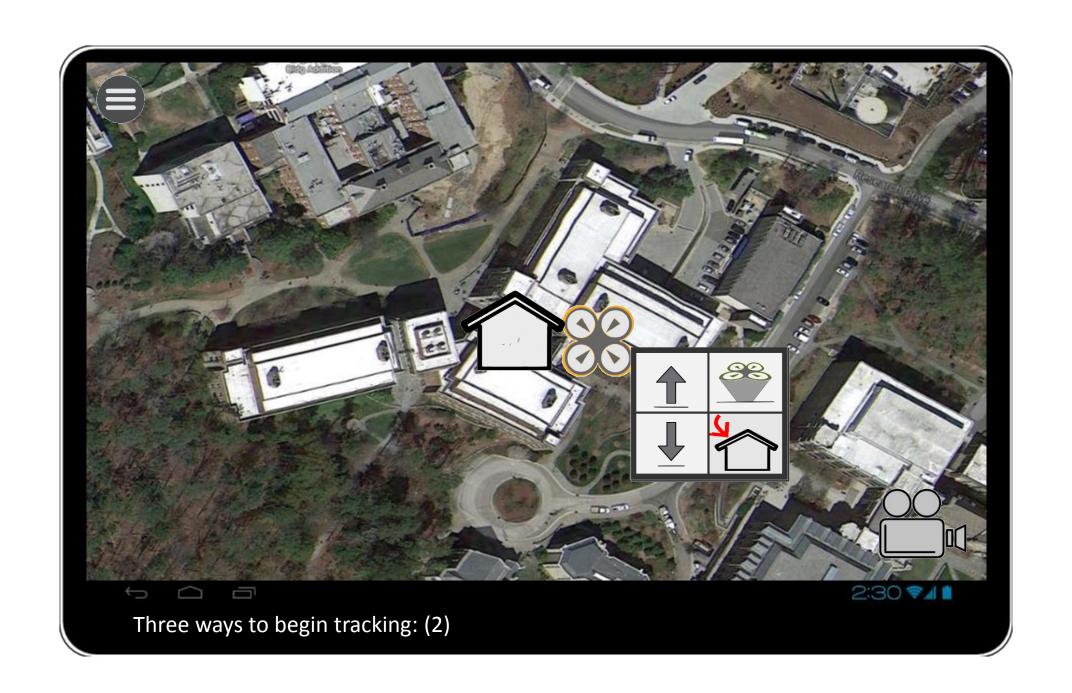
From Drone icon (in sidebar)



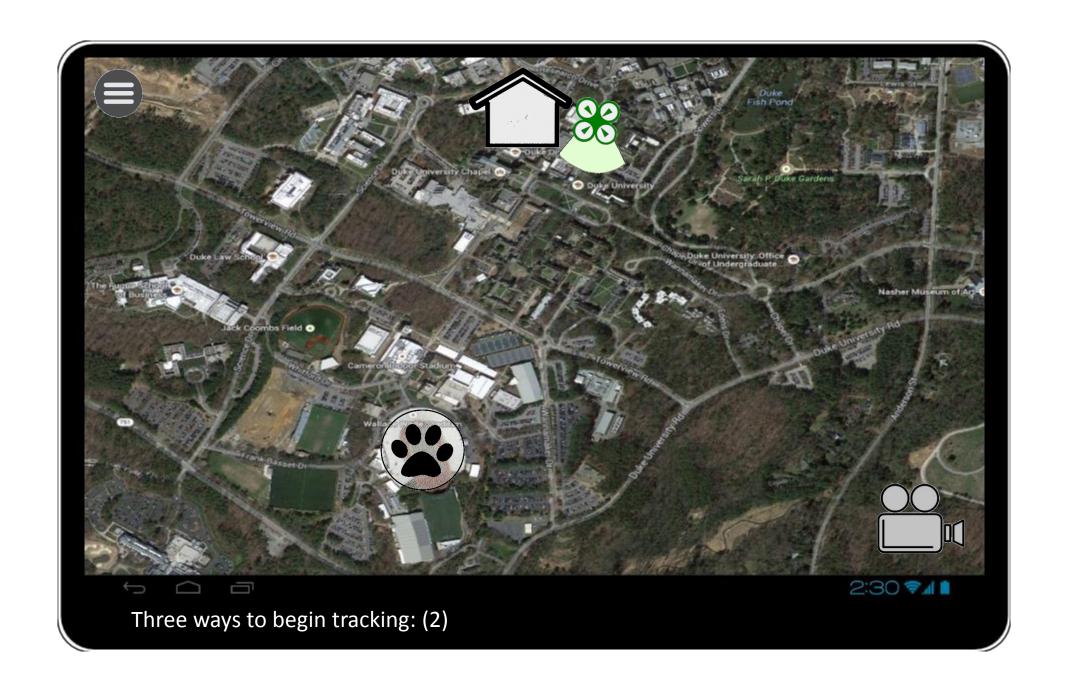


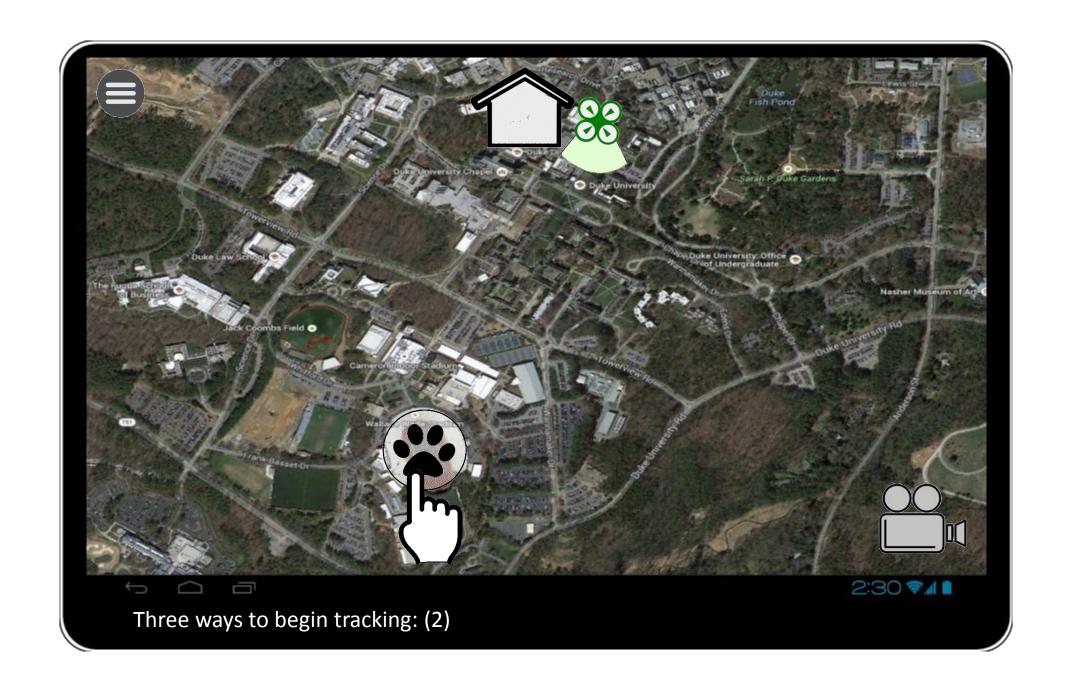














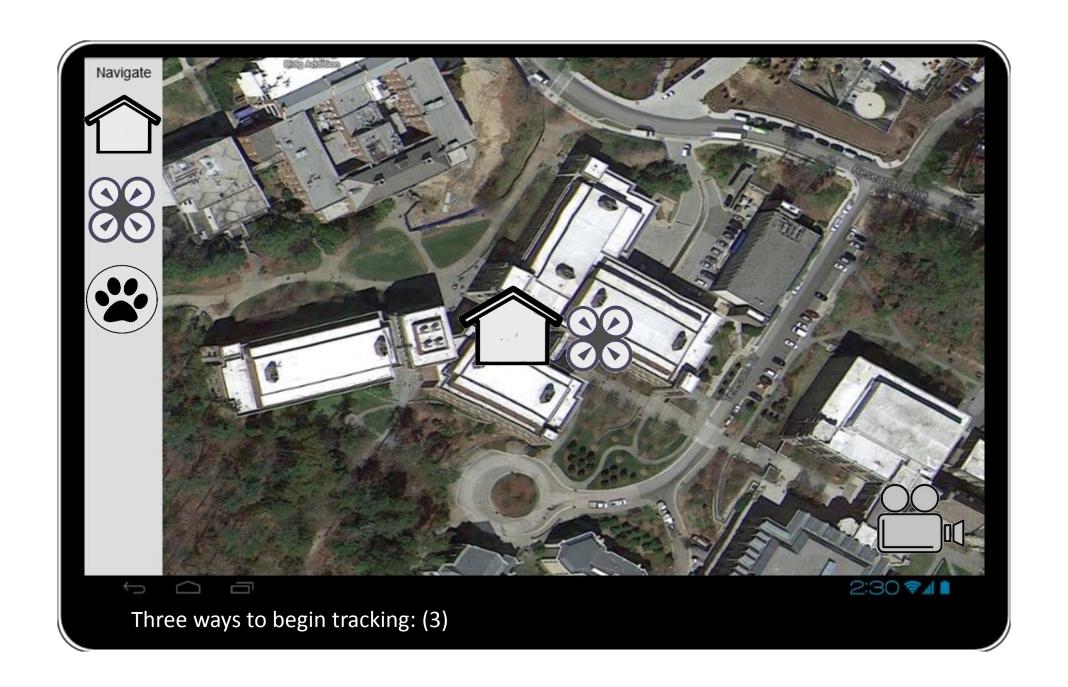


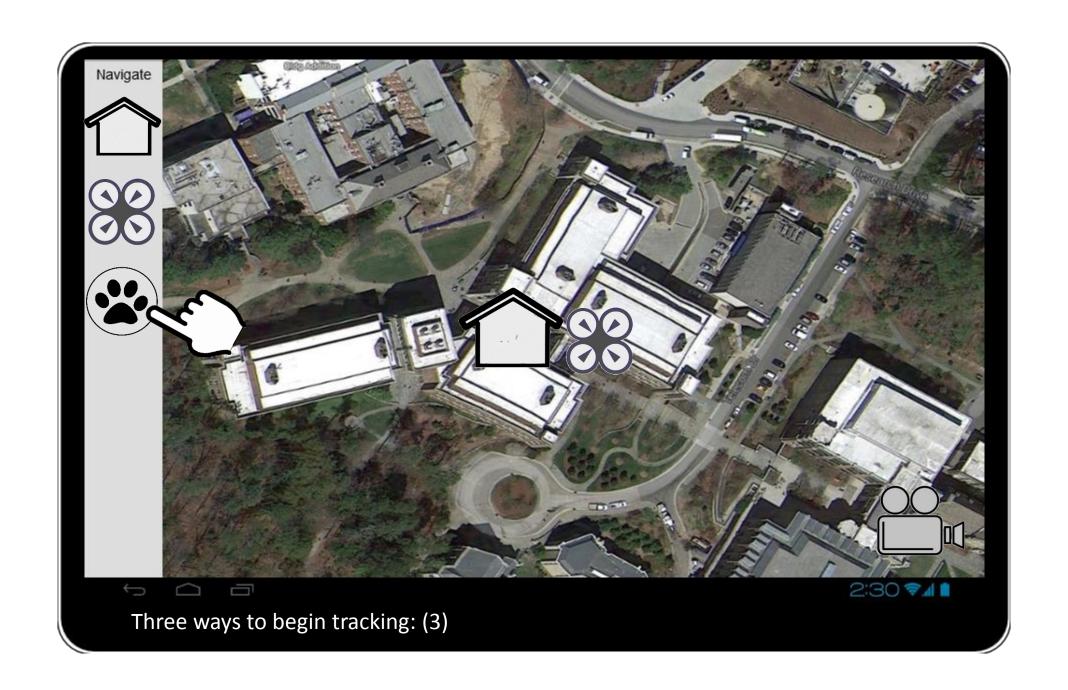
OPTION 3

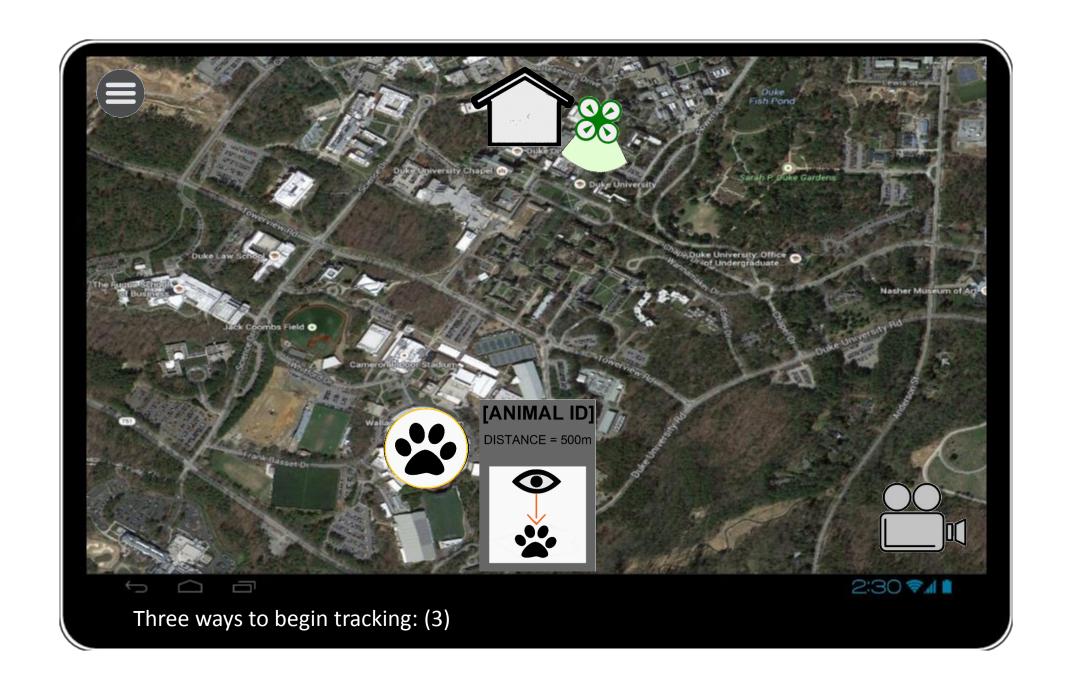
From Animal icon (in sidebar)

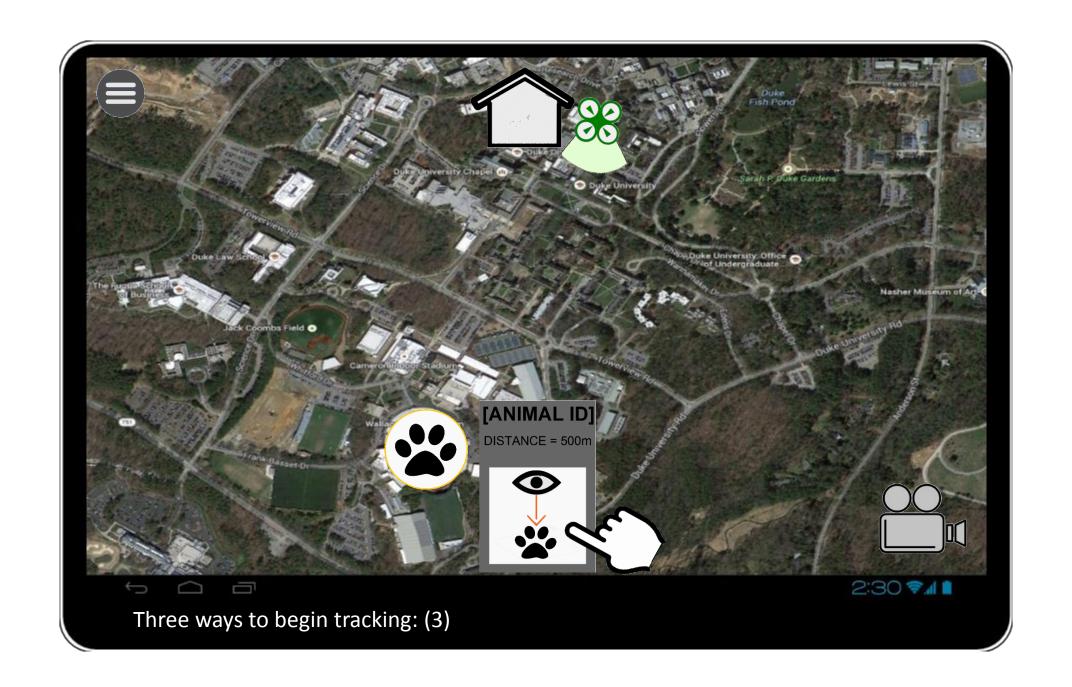




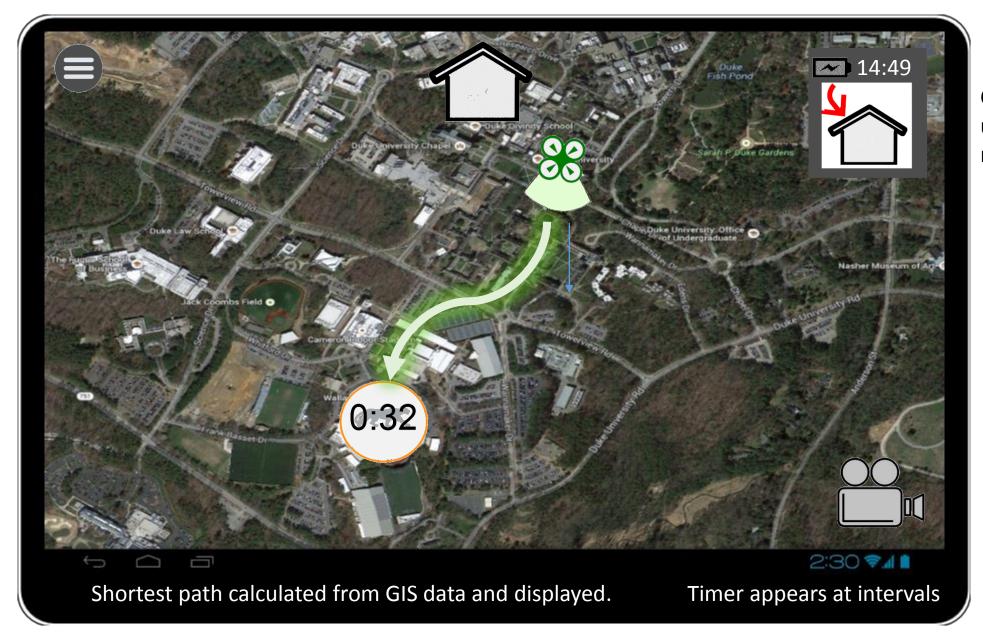








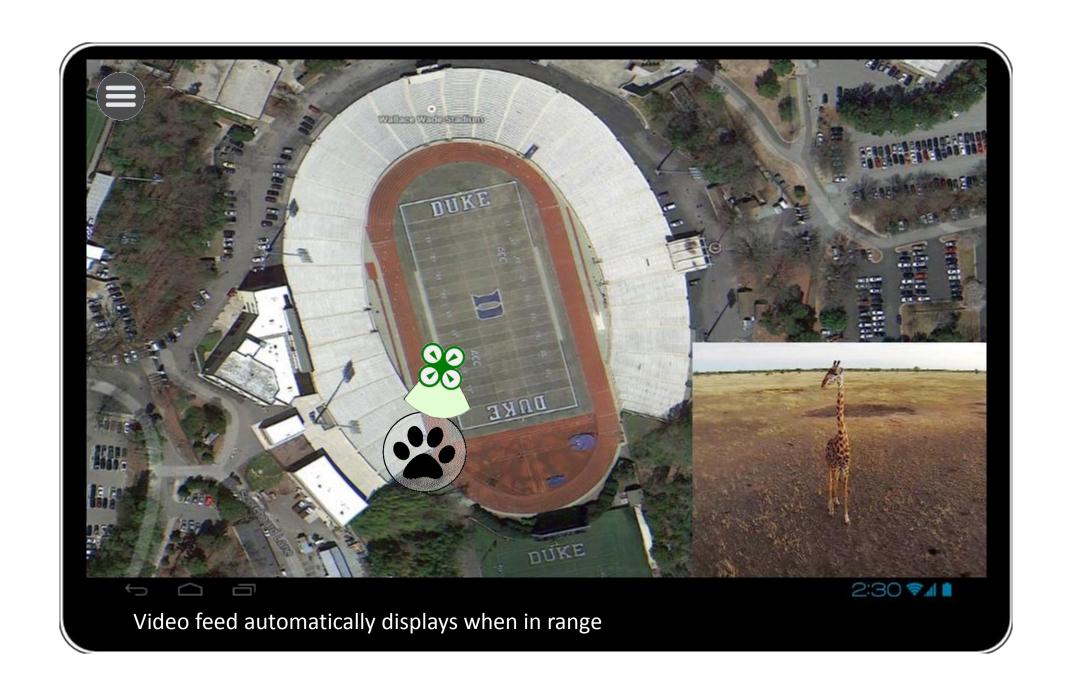
CREATION OF ROUTE

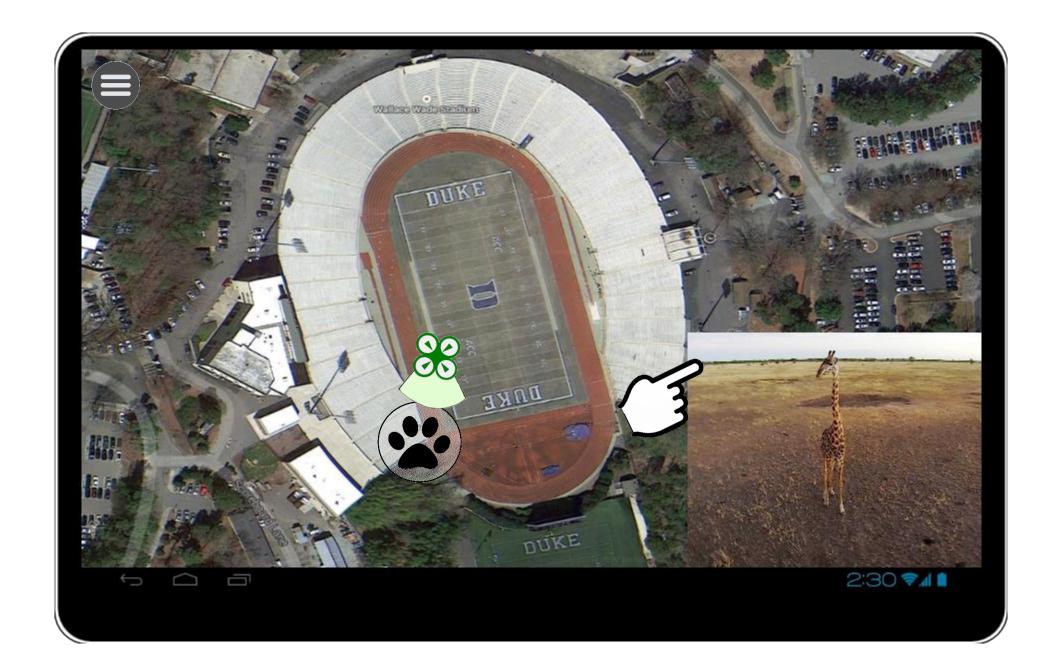


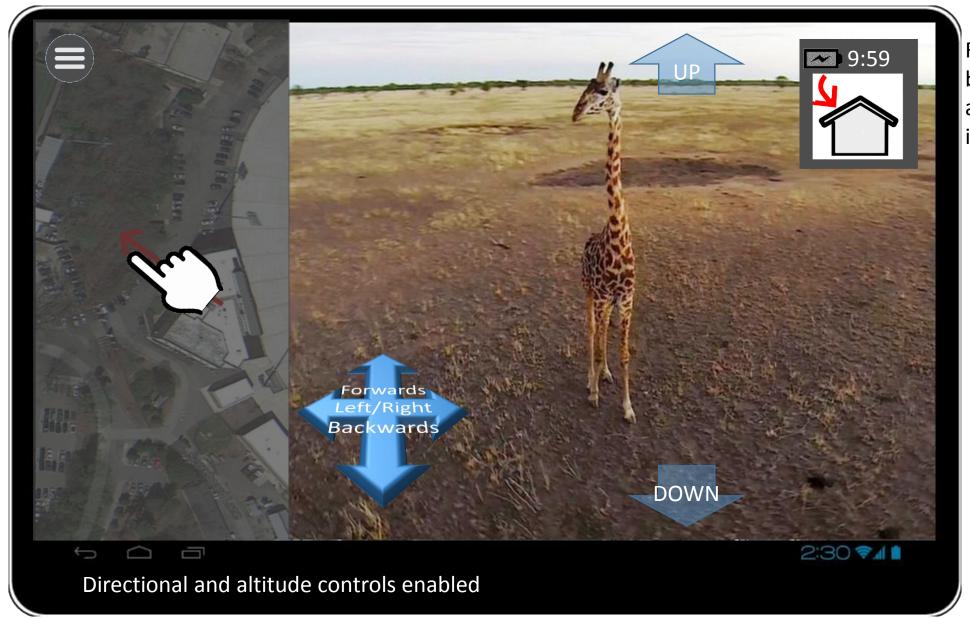
Countdown until need to return home

OPERATION - PROXIMITY OF ANIMAL

Video operation



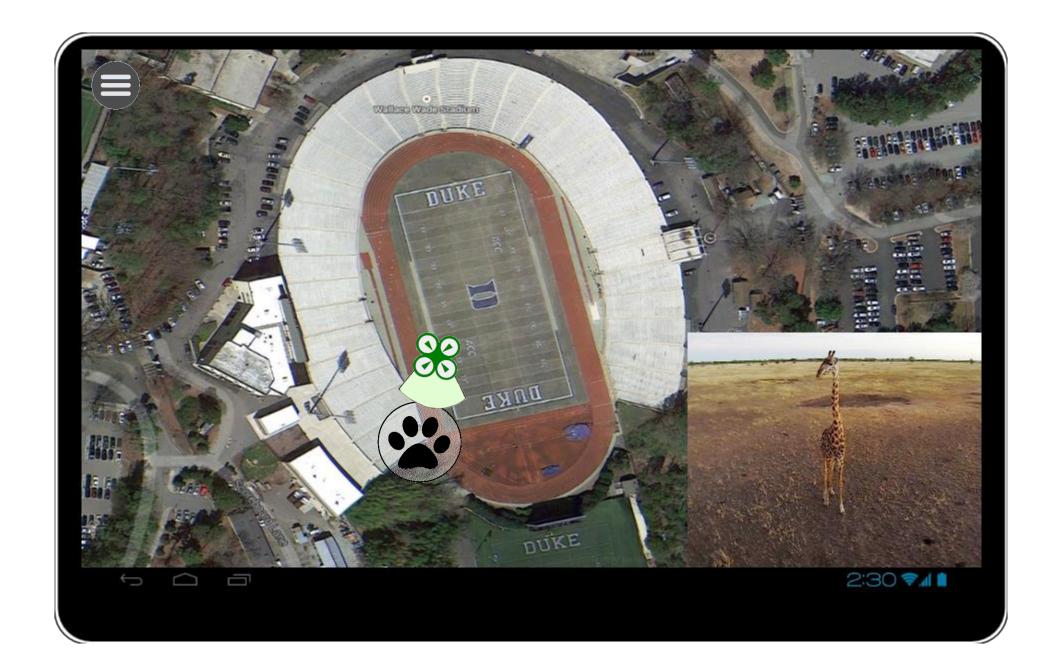


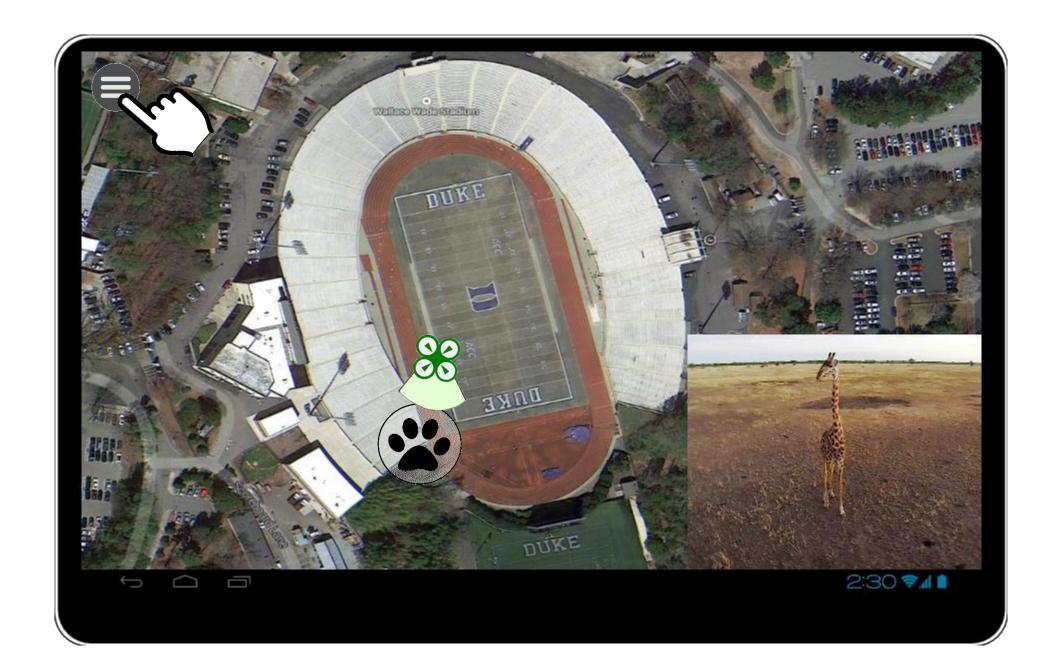


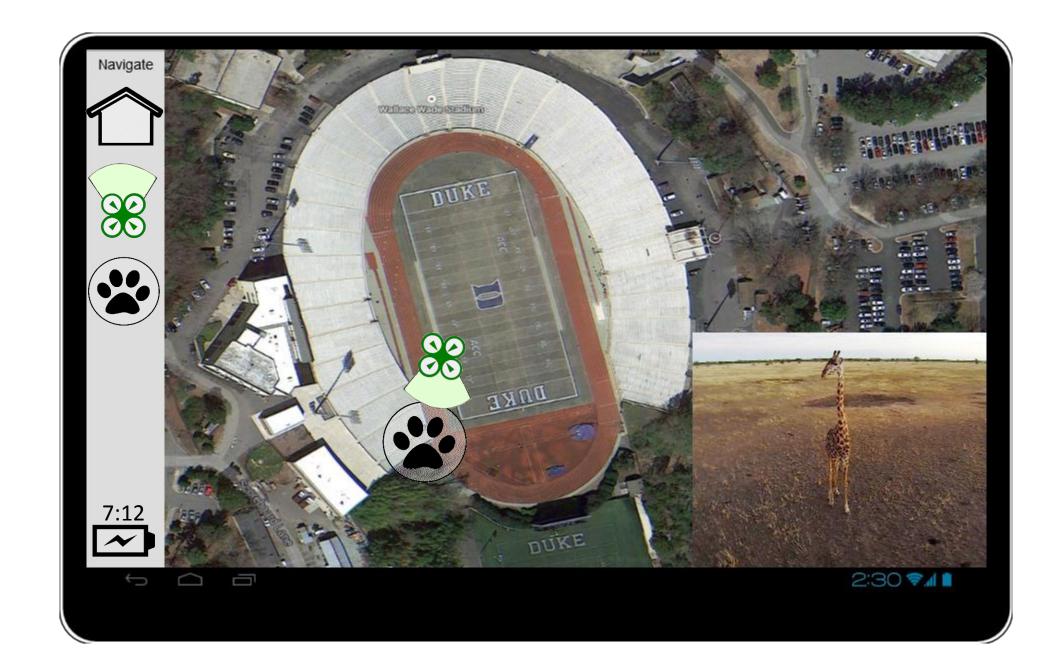
Return home button appears at select intervals

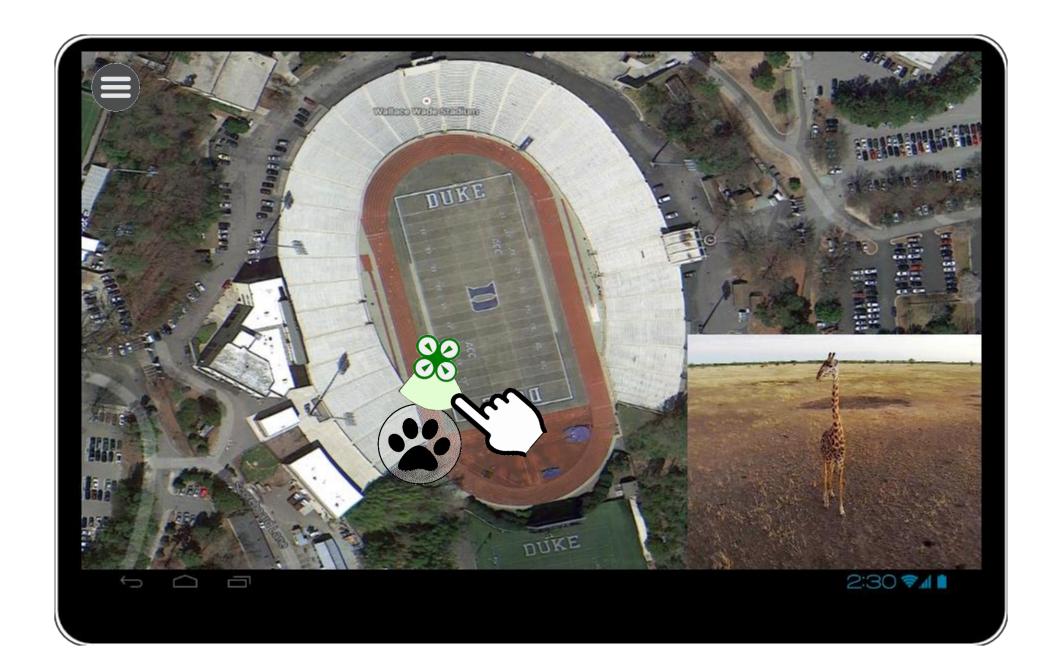
OPERATION - PROXIMITY OF ANIMAL

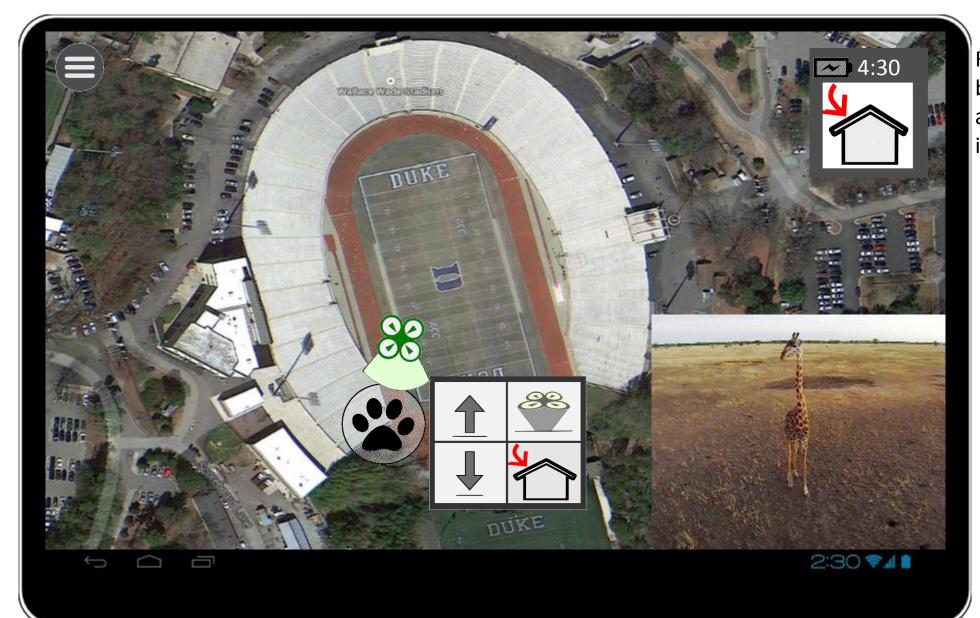
All menus accessible





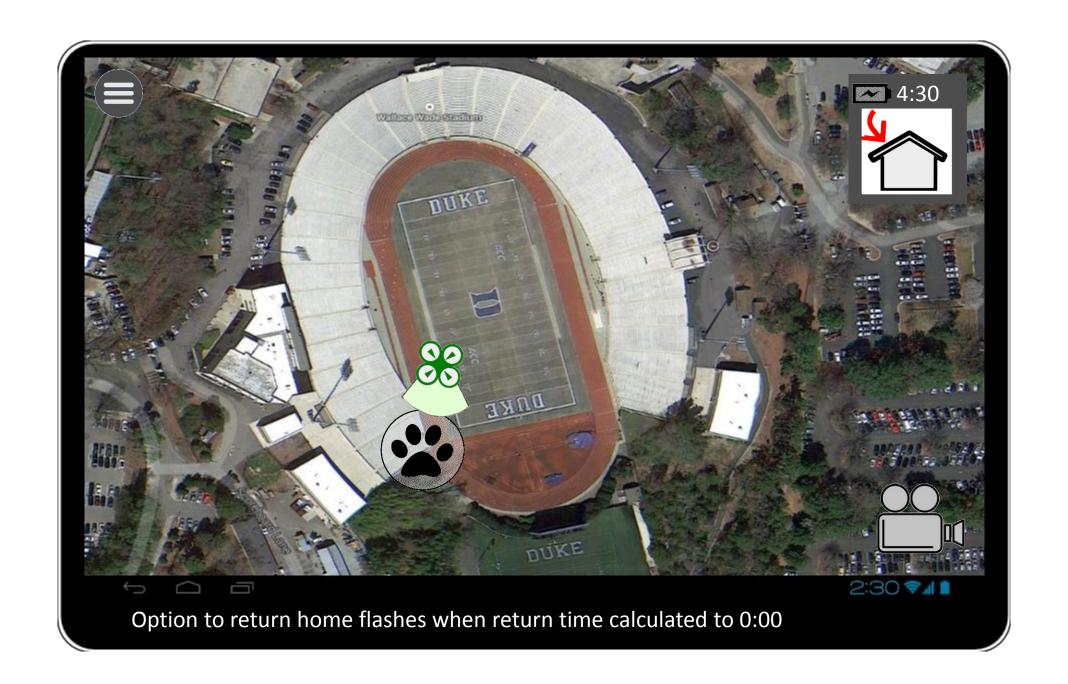


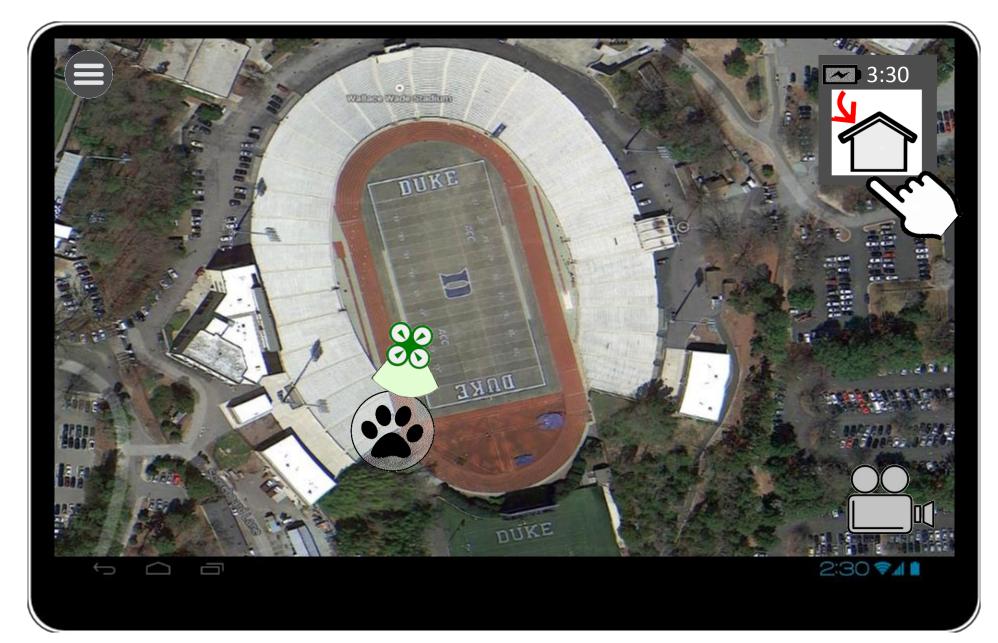




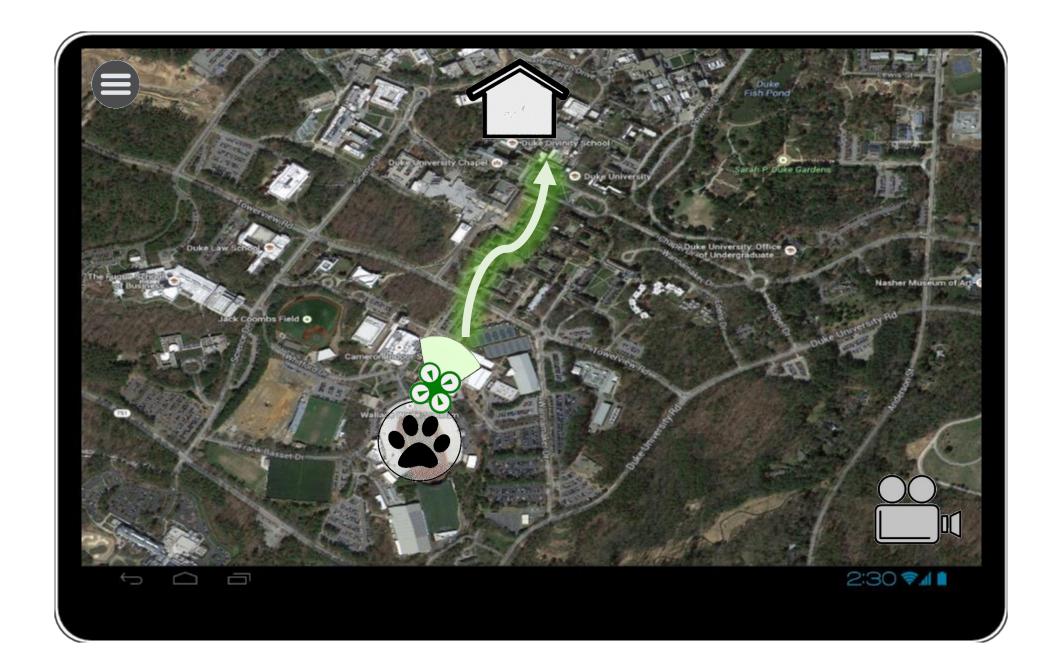
Return home button appears at select intervals

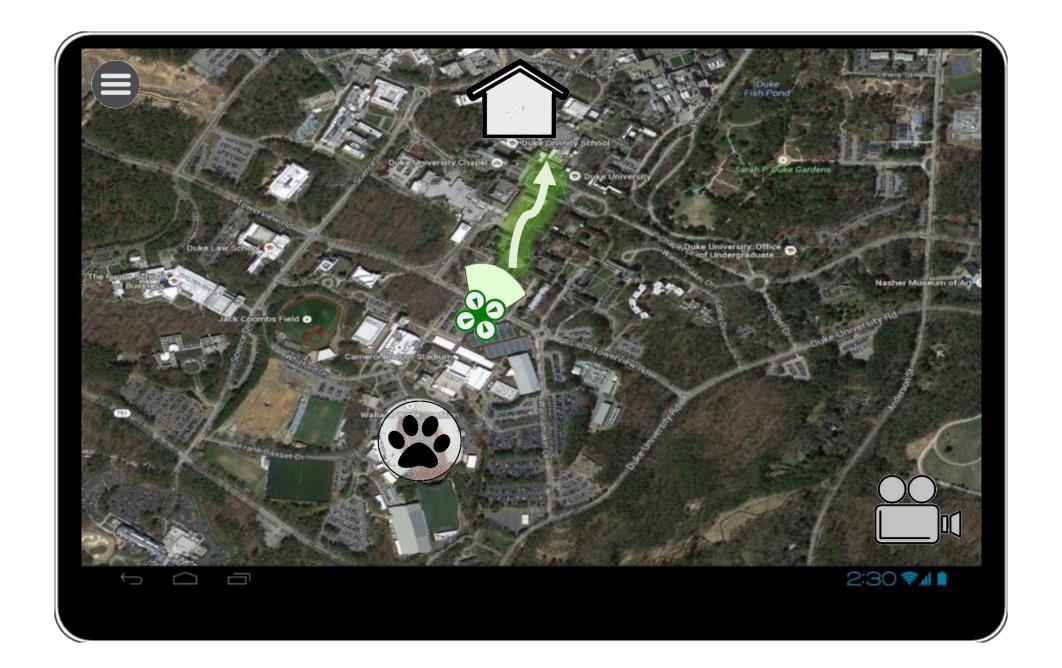
RETURNING HOME





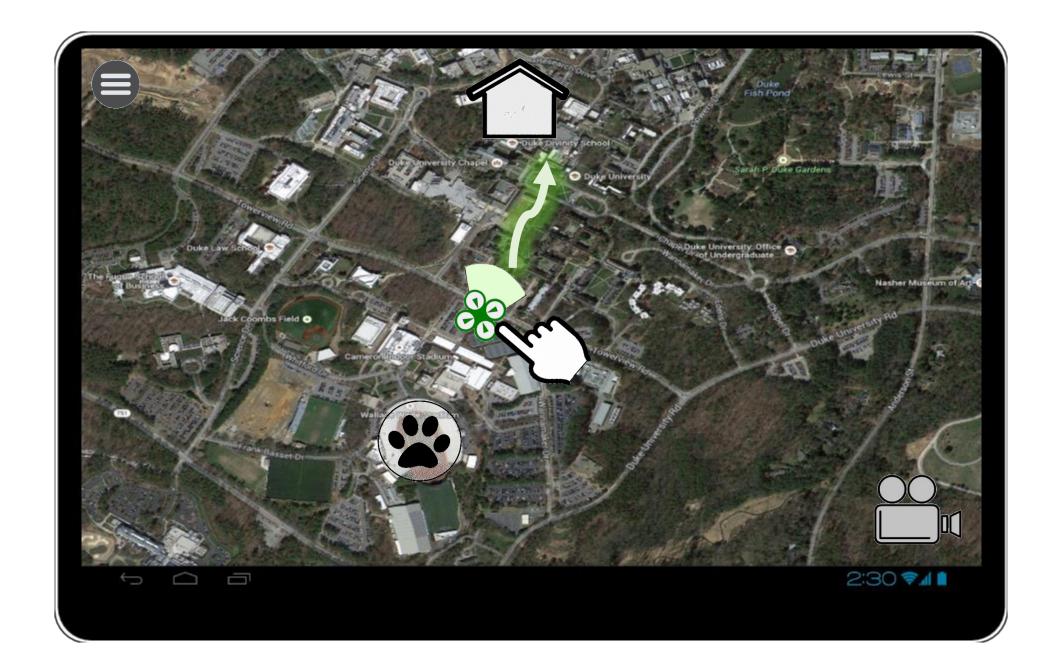
Flashes As time Becomes Critical

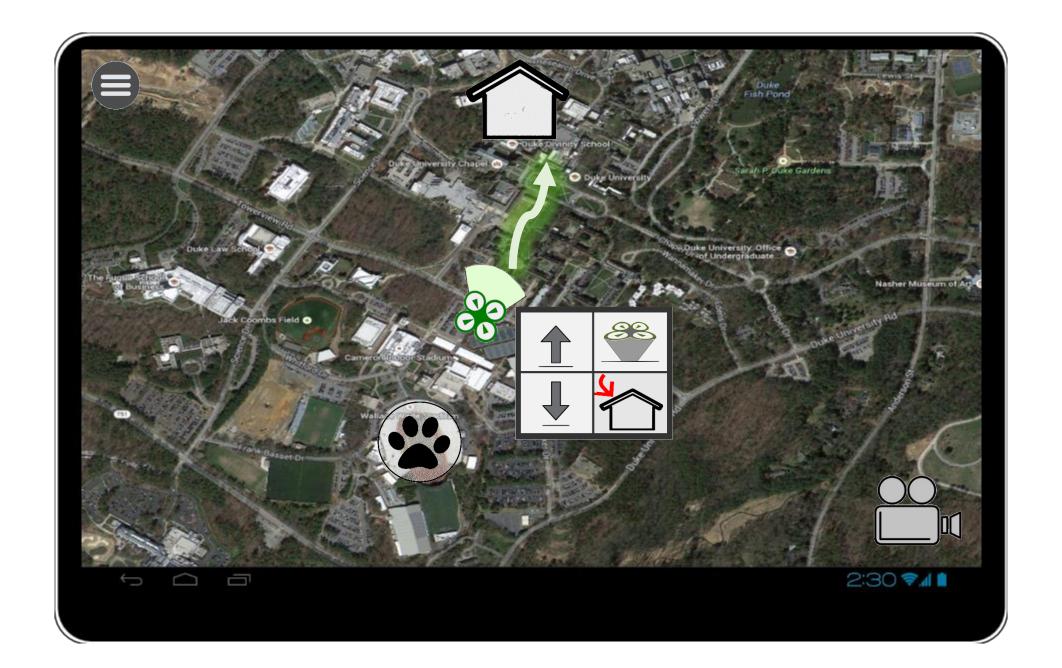


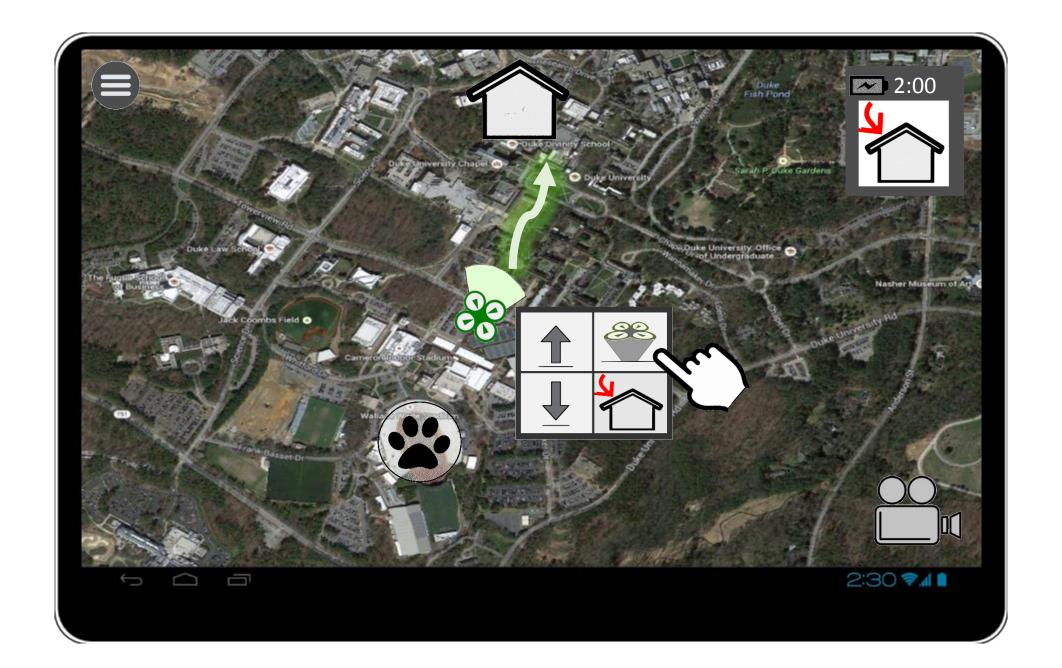


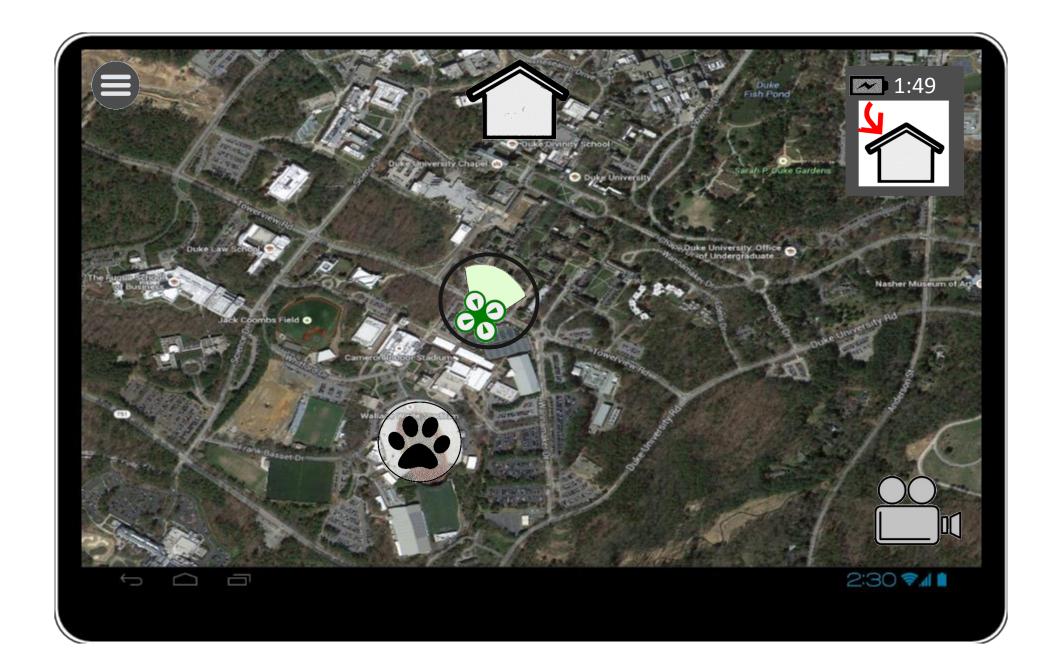
LOITER CONTROL

(Always Accessible, Including In-Flight)

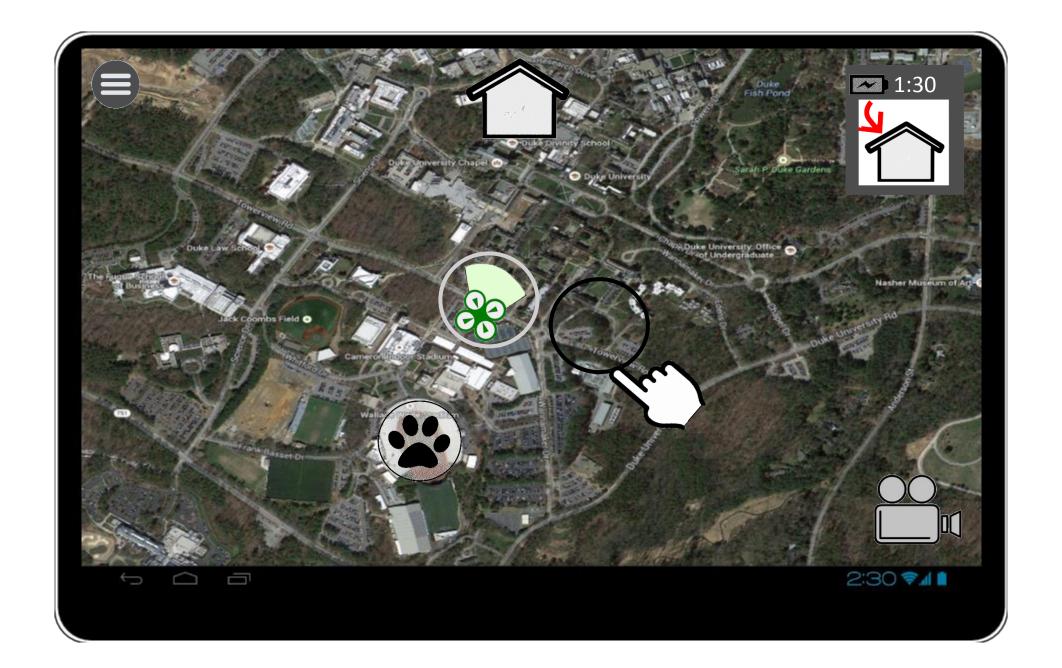


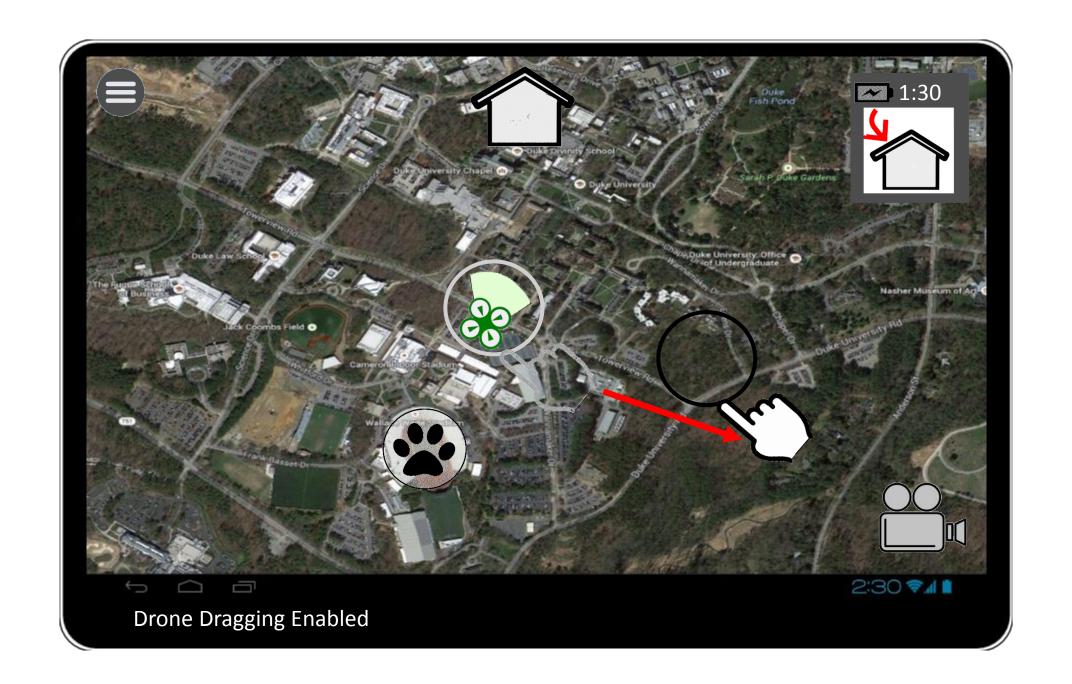






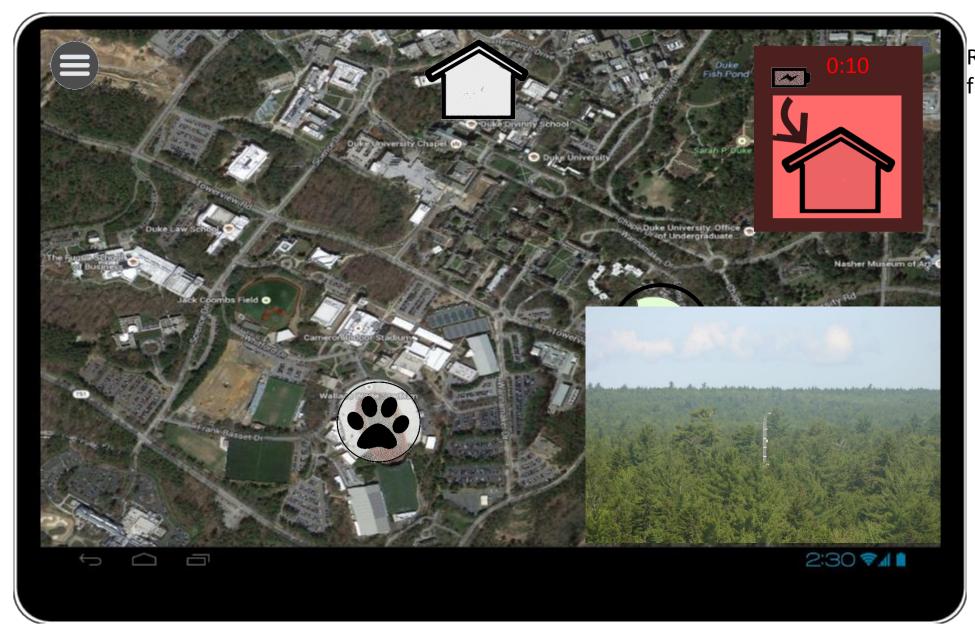












Return button flashes at critical



Return button flashes at critical

