

UX/UI Case study

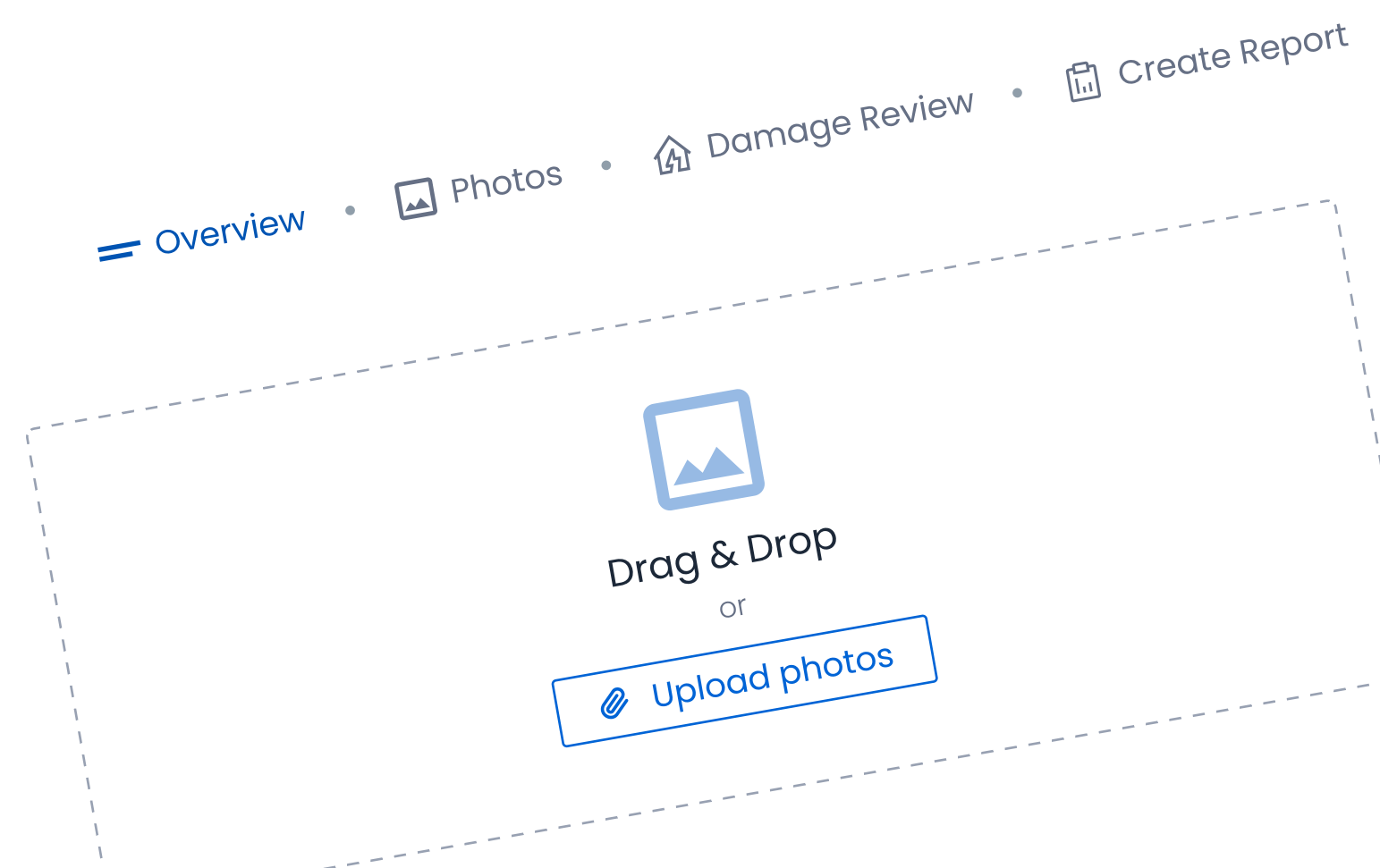
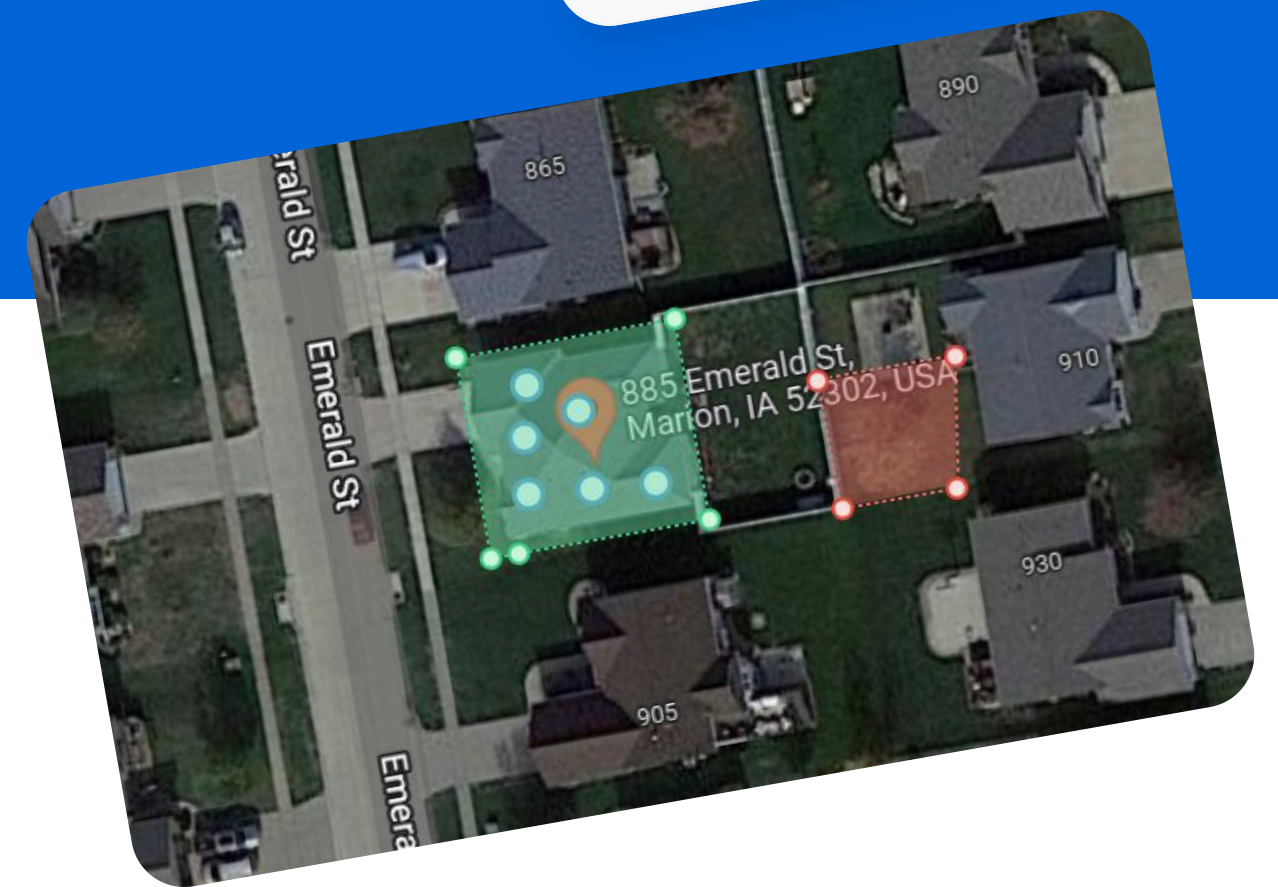
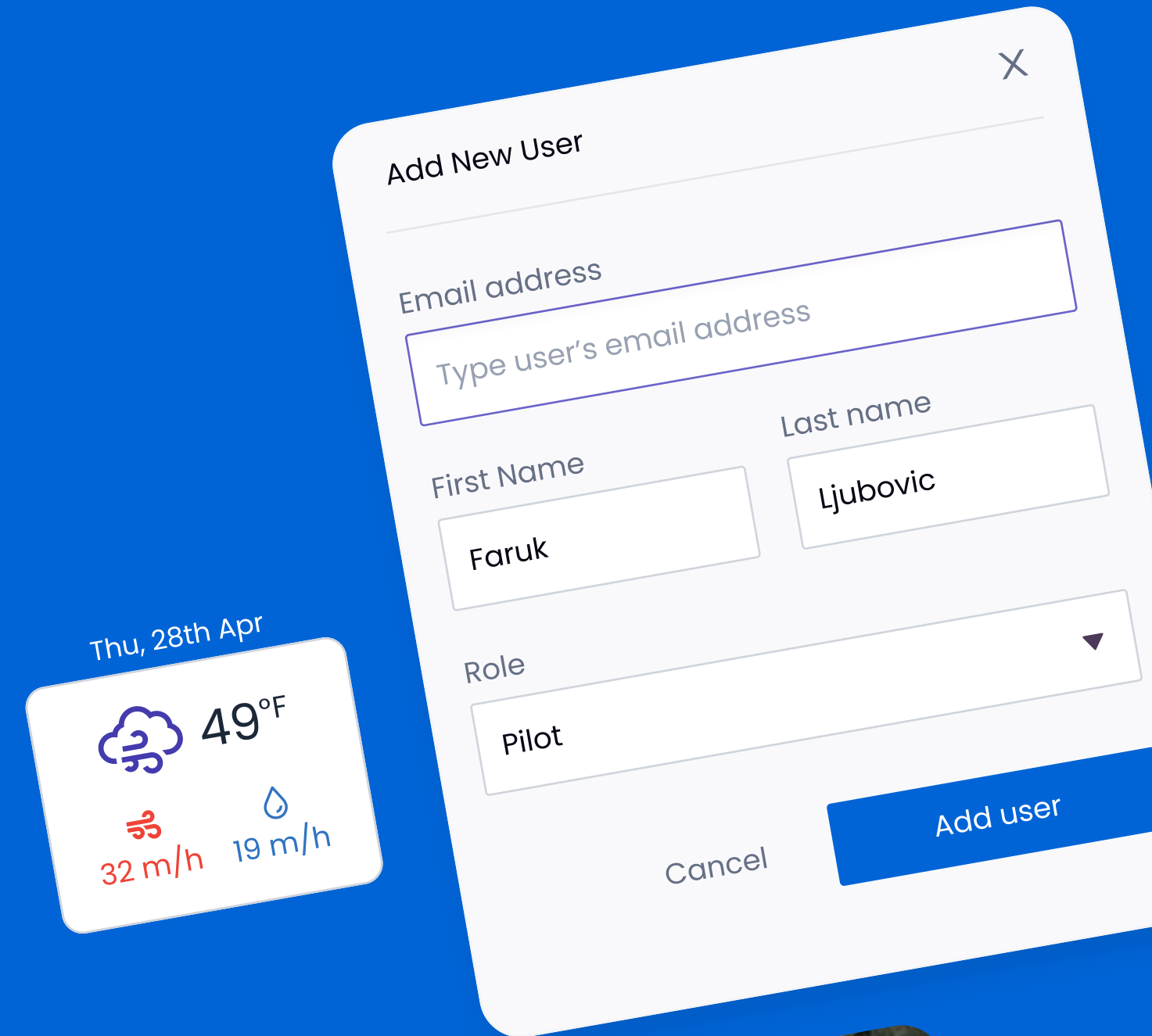
# Premier Plus Storm Team

Domain:

Storm restoration, AI damage detection

## About

Premier Plus LLC is a damage restoration company that specializes in exterior projects. We provide a detailed roof and ground inspection service that is performed by inspectors. These inspections are mainly done after a large storm in the nearby area. All of our inspectors are Part 107 FAA licensed, meaning they can perform drone inspections on the roof as well. We are looking to expand our drone inspection services to local insurance agencies in the area to help with their adjustment needs as well.





### Problem statement

Severe thunderstorms visit Iowa frequently each year. As a result of these storms, damage is caused to the exterior of the properties. But there is no safe way to detect these damages for the house owners as well as insurance agencies.



### Solution

Severe thunderstorms visit Iowa frequently each year. As a result of these storms, damage is caused to the exterior of the properties. But there is no safe way to detect these damages for the house owners as well as insurance agencies.

### Technology

Next JS, Material, Python,  
AWS AI training model



## Challenges

Using AI to detect the damages like hail hits, metal damages and missing shingles required deep domain and technology knowledge

## Tools used



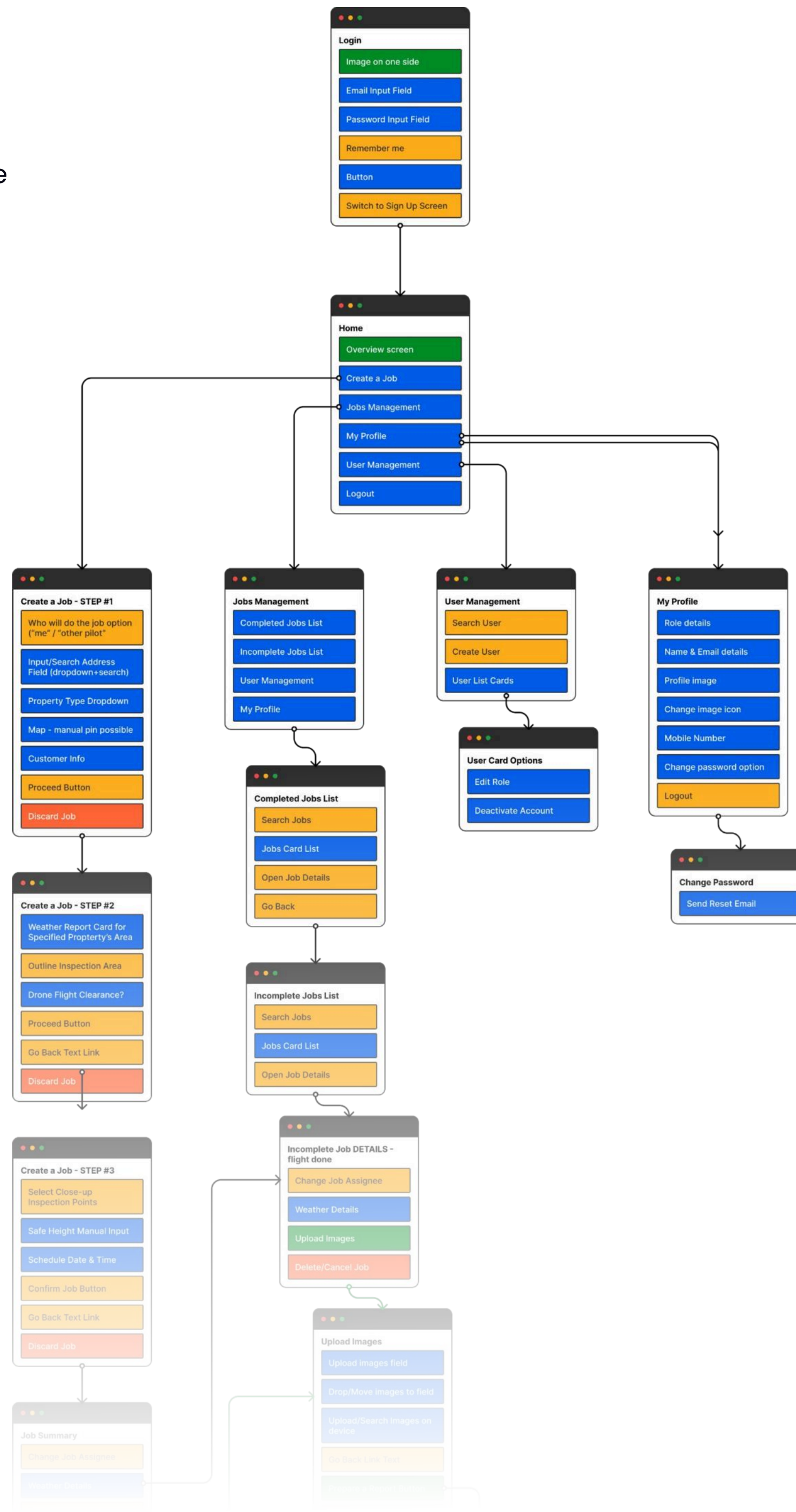
## Project timeline

This web application was delivered in a short timeline of 6 months.

# User Flows

We prepared our site map just after we completed our research to be sure we are following the right path.

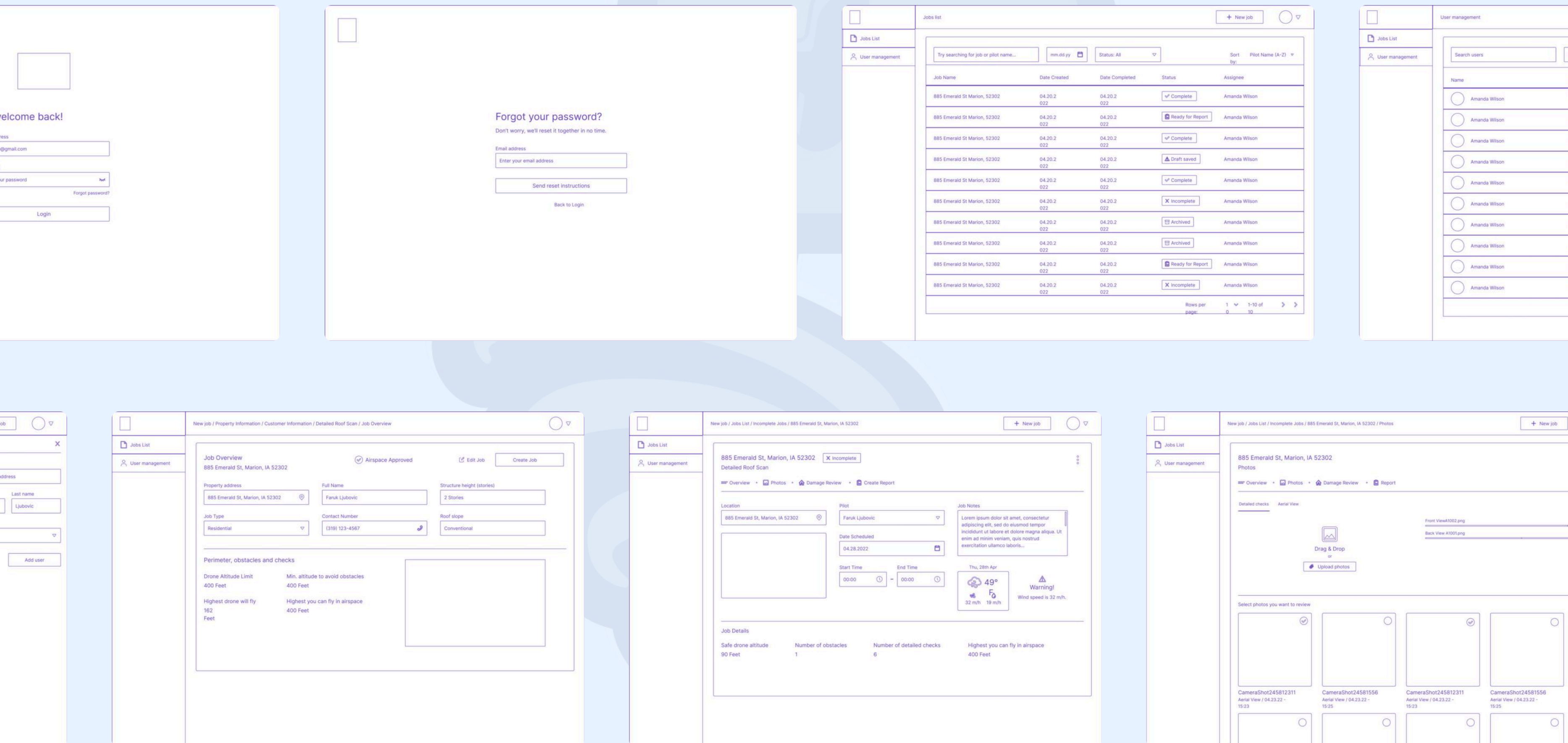
After that, we also created user flows and journeys to understand our users and flows they might be picking.



# Design wireframes

As always, we started our journey with low-fi wireframes.

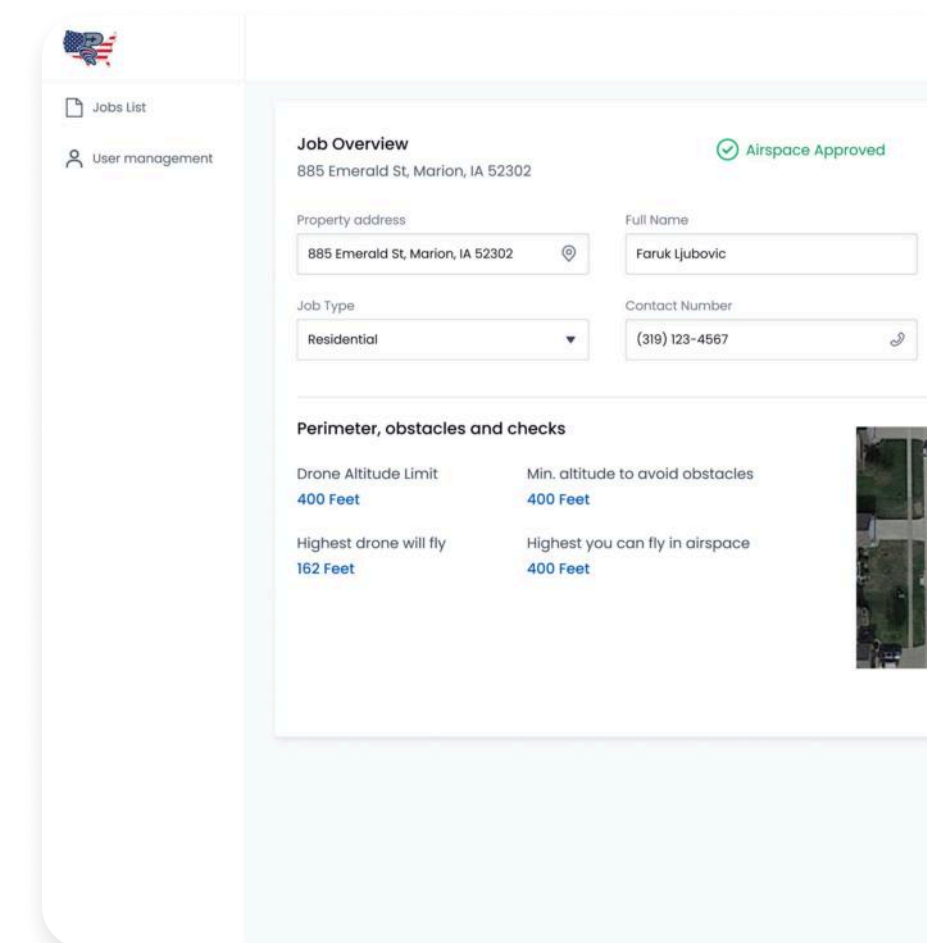
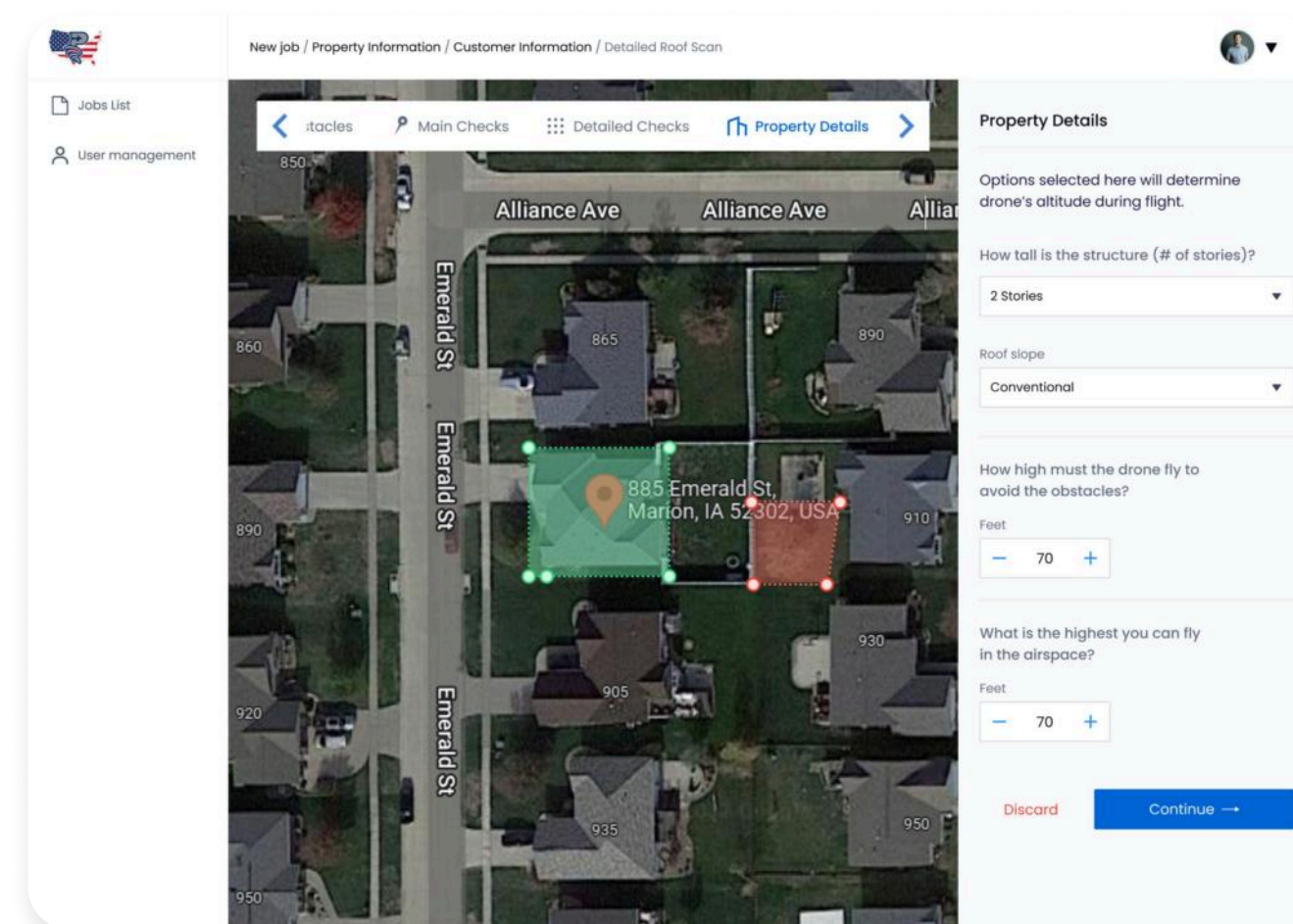
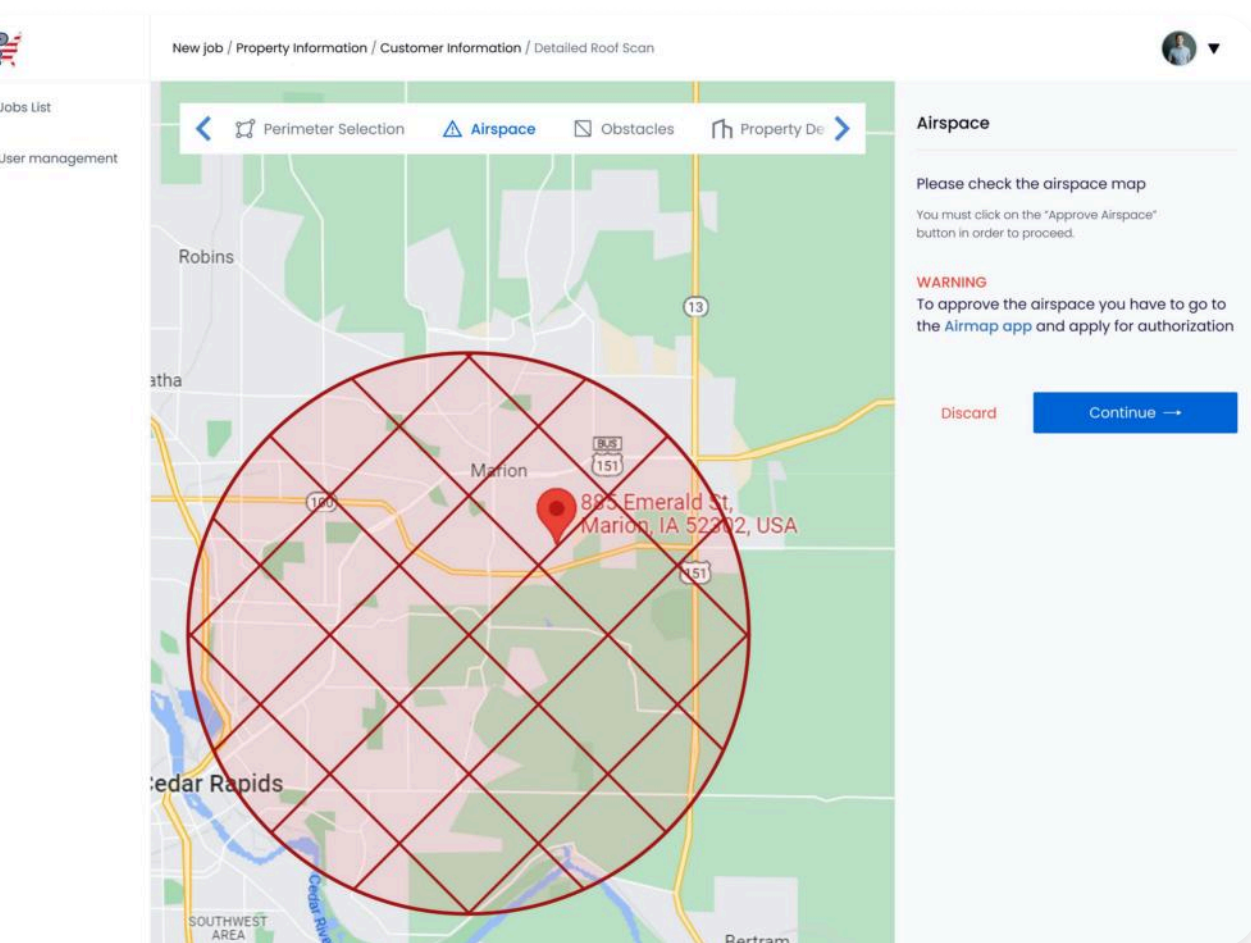
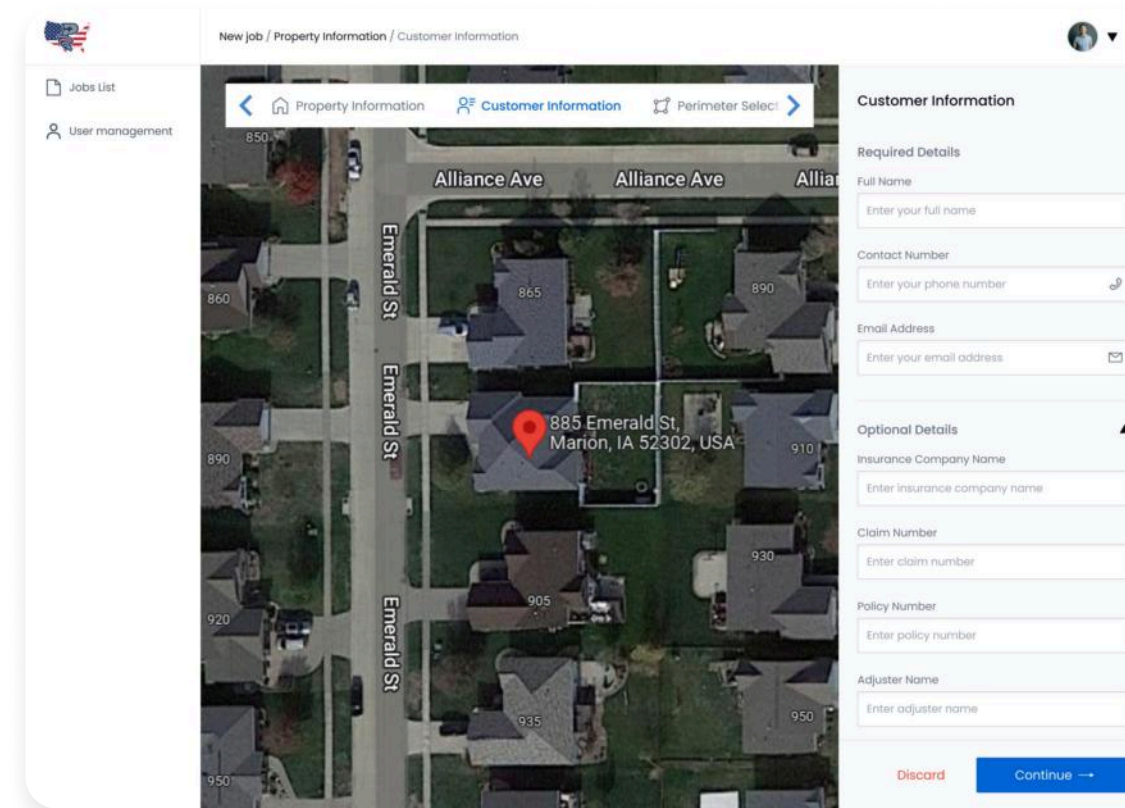
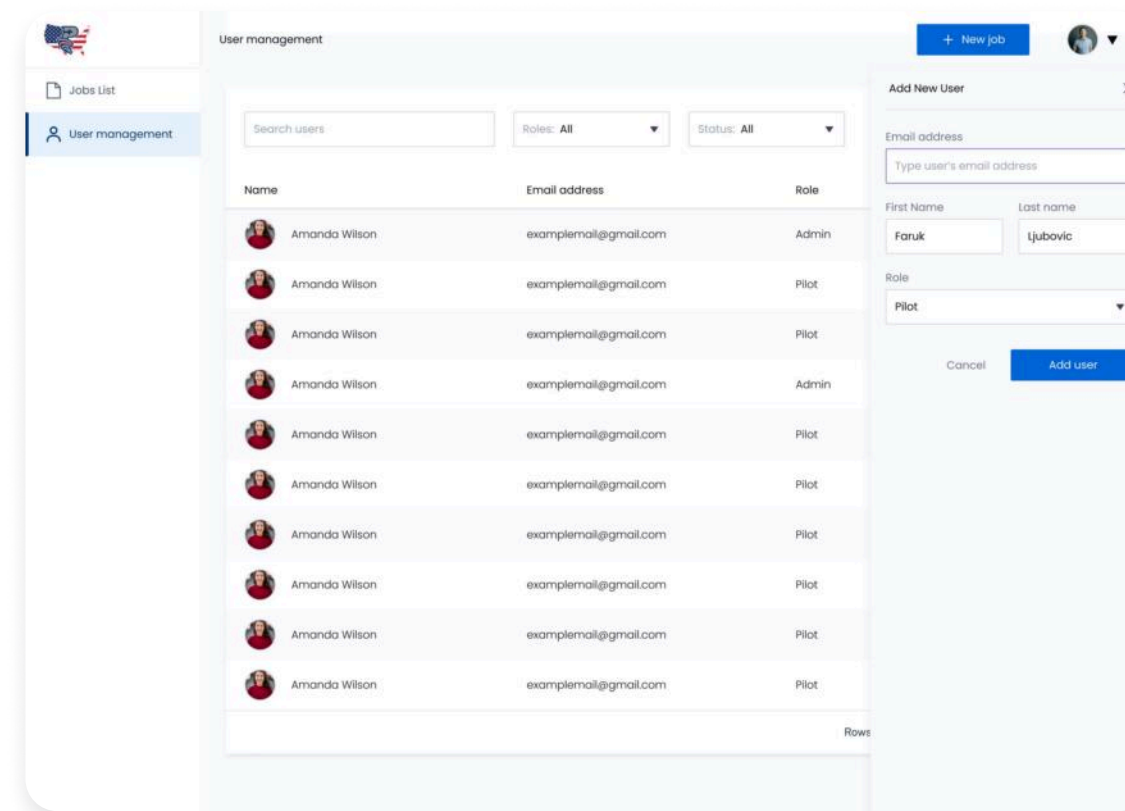
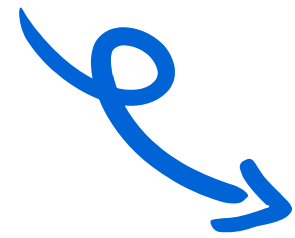
It was an easy process we took as we were very prepared from the research part through here.



# Pages

After we decided on a main look, low-fidelity, we started to build our pages one to another.

In this case, we focused on our key pages so we could implement adaptations and revisions easily.



New job / Jobs List / Incomplete Jobs / 885 Emerald St, Marion, IA 52302

Jobs List | User management

### 885 Emerald St, Marion, IA 52302 X Incomplete

Detailed Roof Scan

Overview | Photos | Damage Review | Create Report

Location: 885 Emerald St, Marion, IA 52302

Pilot: Faruk Ljubovic

Date Scheduled: 04.28.2022

Start Time: 00:00 | End Time: 00:00

Job Notes: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...

Thu, 28th Apr  
49°F  
32 m/h | 19 m/h  
**Warning!** Wind speed is 32 m/h.

Job Details

Safe drone altitude	Number of obstacles	Number of detailed checks	Highest you can fly in airspace
90 Feet	1	6	400 Feet

New job / Jobs List / Incomplete Jobs / 885 Emerald St, Marion, IA 52302 / Photos / Damage Review

Jobs List | User management

### Damage Review

Original Image: CameraShot245812311  
Added by: Faruk Ljubovic

Confidence level: 100%

Grid image 1.2

Hail Hit

X Deny ✓ Confirm

1/10

Grid images

Search for image by name | Status: Confirmed | Damage: Hail Hit

CameraShot245812311 Hail Hit	CameraShot245812311 Hail Hit	CameraShot245812311 Hail Hit	CameraShot245812311 Hail Hit	CameraShot245812311 Hail Hit

New job / Jobs List / Incomplete Jobs / 885 Emerald St, Marion, IA 52302 / Photos

Jobs List | User management

### 885 Emerald St, Marion, IA 52302

Photos

Overview | Photos | Damage Review | Report

Detailed checks | Aerial View

Front View A1002.png  
Back View A1001.png

Drag & Drop or Upload photos

Select photos you want to review

CameraShot245812311 Aerial View   04.23.22 - 15:23	CameraShot24581556 Aerial View   04.23.22 - 15:25	CameraShot245812311 Aerial View   04.23.22 - 15:23	CameraShot24581556 Aerial View   04.23.22 - 15:25

New job / Jobs List / Incomplete Jobs / 885 Emerald St, Marion, IA 52302 / Generate report

Jobs List | User management

### Generate report

Available photos (19)

Reviewed (6) | Add to report

CameraShot245812311 Hail Hit   Add note	CameraShot245812311 Hail Hit   Add note	CameraShot245812311 Hail Hit   Add note
CameraShot245812311 Hail Hit   Add note	CameraShot245812311 Hail Hit   Add note	CameraShot245812311 Hail Hit   Add note

Report Overview | Preview | Generate report

roof

Drag & Drop or Upload photos

Damage level: Moderate

Arrange added photos | Undo | Reset | Remove all

1	2	3

