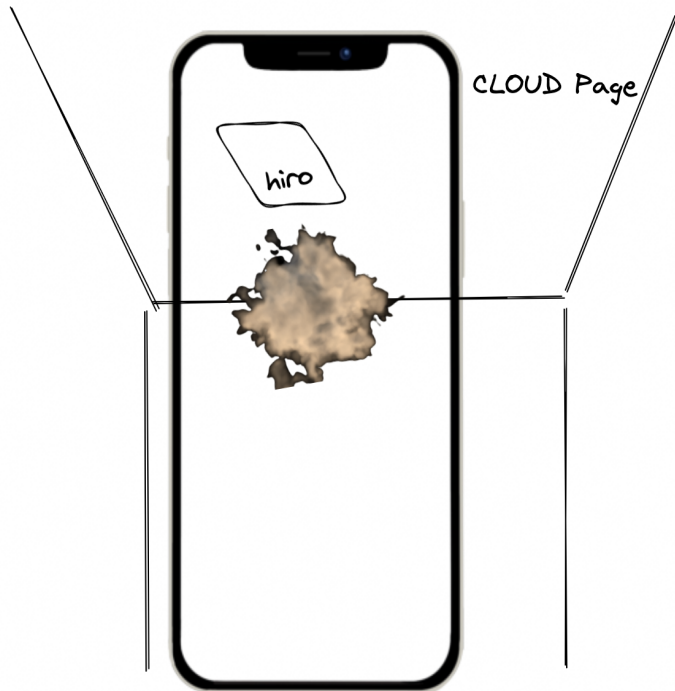


Applying AR technology for art exhibition on Mobile devices

Mid-term Progress Report 🏃

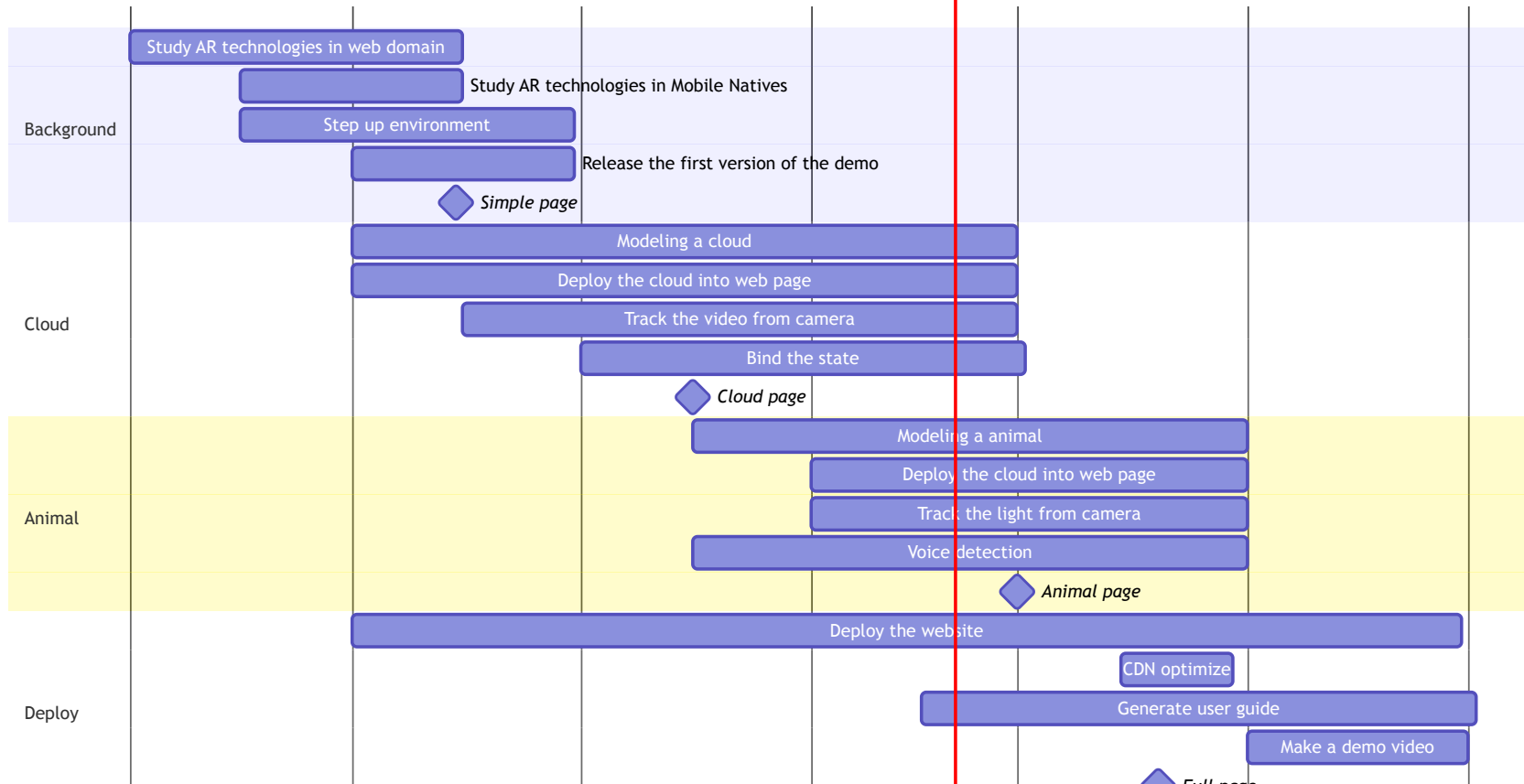
Wu Mingze

Exhibition Demo






Timeline

Final Project AR Timeline



Main Page

User select the page they want to go to by clicking the button in the main page

-  View by Motion Sensor
-  Scale by Finger Touch
-  Click the Button to Redirect to the Page

My AR Page

FOX

CLOUD

Cloud Page

Users scan the marker on the ceiling with their mobile phone to observe the cloud, and the cloud will change color according to the color behind the marker

✅ Finished

- ☁ Deploy the Cloud Page
- 🎨 Track the Main Color of the Screen and Change the Color of the Cloud
- ⚙ Orbit Control the Object and Scale by Finger Touch

🚧 In Progress

- 📐 Use shader to implement the cloud effect (volume ray cast effect)



Fox Page

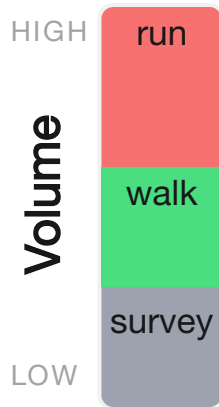
Users can observe the fox by scanning the signs on the ground, and change the fox's actions by talking and shouting.

✅ Finished

- 🦊 Deploy the Fox Page
- 🎧 Detect the level of the surrounding environment volume
- 🎬 Animation will Change when Volume Meter Changes
- ⚙️ Orbit Control the Object and Scale by Finger Touch

🚧 In Progress

- 🛠️ Use `tensorflow.js` to detect the voice by human
- 🎬 Create more animation for the fox



"Thanks for your listening!"