Work on “Use Case Document”, verify with Dr.Zhang

What exactly is Dr.Zhang's role in this project? What expectations does he have for us?

Walk us through the project, what should a prototype look like? What should our final delivery look like?

**Technologies**

* TensorFlow is better for development, PyTorch is generally used in Research.
* Use 3D Simulation to be processed by local application (Android library)
* Use OpenCV for image processing
* Use Android as a mobile application platform
* Android Studio IDE with Kotlin Programming Language
* Use figma for wireframes

**Tasks**

**1-** Make a use-case document based on our understanding and present to him during the meetings.

**Determined Expertise Areas**

* **3D Simulation:** Soham, Alan
* **Machine Learning:** Zaynab, Alan
* **Image Processing:** Soham Naik, Alan
* **Android App Development:** Deniz, Alan, Zaynab

Technologies to use (tell him what exact technologies we prefer)

Prototype expectations in December (what realistic goals to set for ourselves)

Exact deliverables by the end of the year

Ask about use cases

Walk us through the project step by step

Division of project tasks

Resources for research

Meeting times

Tell him we need an email/document of confirmation confirming agreement of scope/timeline

* Hardware
  + LED Gloves
  + Android Phone
    - Camera
* Android App
  + Image Capture
    - Camera2 API
  + 3D Tracking
    - 2D
    - Depth
  + 3D Representation

Meeting 1:

**Deniz Availability ->** Monday (after 2 PM)

Meeting 2:

**Deniz Availability ->** Wednesday (after 2 PM), Thursday (All Day), Friday (All Day) and Entire

Weekend

* Soham
  + Monday: 11am+
  + Tuesday: 2-4pm, 6pm+
  + Wed: 4pm+
  + Thur: 2-4pm, 6pm+
  + Fri: free
  + Sun: free
* Zaynab
  + Mondays after 3:15pm
  + Tuesdays before 3pm and after 6pm
  + Wednesdays after 3:15pm
  + Thursdays all day
  + Fridays all day
* Alan:
  + Mondays before 4:30pm
  + Tuesdays after 4pm
  + Wednesdays after 2pm
  + Thursdays after 4pm
  + Fridays all day
* SHARED DAYS:
  + Tuesday: 6pm+
  + Wednesday: 4pm+
  + Thursday: 6pm+
  + Friday: All Day
  + Sunday: All Day