

Post-Interview Notes

1/20/2026

Attendance:

- J.P. King
- Connor Schneider
- Ethan VanderLugt
- Penn Roberts
- Mark McArdle
- Chris Morrison
- Jake Rundle
- Greg Waite

Questions:

- Any feedback on the App Design Document?
 - What do you like?
 - What needs to be changed?
- Should the website be in Spanish with an English translation or vice-versa?
 - Any other translations we should watch out for?
- How will the stand account for different phone sizes?
- Do you have a name in mind for this project?
 - Is the name associated with MTU?
- Just as a refresher, you mentioned you wanted this to be a single page website for ease of use?
 - Could be cleaner to use 3 pages: landing (hazards, etc.) page, upload page, timelapse page
 - Timelapse on its own page might help increase usability of the website
- Could you send us the test photos of the volcano?
 - Main use is testing
 - If all are from the correct angle, we could train a model with it for image analysis.
- How do you want us to ensure that the user gets their photo back at the end of the timelapse?
 - Just grab the most recently uploaded photo?
 - Add the photo as a part of the request to make the timelapse and append it to the end?

- Run time of timelapse might affect our ability to get the timelapse back to the user in time. (example: it might take 4 minutes to process and return the timelapse)
- Do you have a team you are working with?
 - For the admin page, do you want one account or an individual account per person?
- You mentioned you were interested in dynamic timelapse options.
 - Are there some preset options you might be interested in?
 - 1 year, 6 months, 1 month, 1 week, current day
 - Since eruptions are frequent do we care if there are eruptions in the timelapse?
- Security concerns?
 - This is going to be hosted on our Colossus server during the class. (CS department's test server)
 - If we complete it in time, it will be transferred to a different school run server that is supposedly more stable. (IT support after the course is over)
- Since this is on the school's network, we need to be wary of malicious actors.
 - If the admin page is showing photos hosted on the server, we need to make sure that page is limited to viewing photos in a specific directory
 - IT may not like admins being off-campus (admins might need VPN?)
 - Verify that uploads are jpg/png.
 - Might need to trim photos if the database gets too large.
 - Manually back up old photos
 - Is this functionality something you'd like in the UI we provide, or is file transfer off of the school server something you would be comfortable with on your own.

- Primary language should be spanish with english translation
- Corner bracket stand, phone size doesn't matter
- Brainstorm app name ideas
- Separate pages -> landing - upload - admin gui - timelapse
- After uploads are complete, display timelapse on the same page
- Append most recent image to the timelapse procedurally
- One single admin account
- Dynamic timelapses: options like all-time, year-long, month-long
- Keep eruptions in the timelapse
- Potential "bullseye" for image filtering
 - Put something easily recognizable in frame
- Alignment tool stretch goal

Notes:

- Spanish default language
- Come up with names for the project for next meeting
- Prioritize functionality, separating functionality with 4 pages on the website sounds good
- User getting timelapse as the response of a form submission would work best
 - Have a stored timelapse premade and append the user's timelapse to it.
- Timelapse dynamics
 - Options to view different timelapses
 - All time
 - 1 year
 - 1 month
 - Doesn't have to contain the users image
- Eruptions are fine in the timelapse
- Lock admin portal to only view a specific folder (can't get into any other folders on the server)
- Dr is comfortable managing the size of the DB himself, no need to add management features
- Should look into letting the user download their timelapse

CORE Features

- Website
- Landing page
- Static timelapse
- Image upload

EXTRA Features (in priority)

1. Image filtering
 2. User seeing their own image in a timelapse
 3. Admin access page
- Unknown: User's ability to download the timelapse.
 - Unknown: image stacking/alignment. (I'm guessing this is something the grad student on his team would be doing)