



Experience Lab

Sprint 3 Recap

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Sprint 3 goals & accomplishments



- ~~Set our workspaces up so we can record both keyboard and camera input to a bag simultaneously, and see if playback works and the timeline is synced~~
 - Had to be suspended because of usb_cam node's instability, which was prioritized and solved this sprint.
 - Brandon needed to essentially reinstall his whole workspace and start everything from the ground up as installing ROS2 from source cascaded into lots of other issues.
- **Screen capture is almost finished**
 - We have a working screen capture script that saves to a .mp4, but need to implement it as a ROS node for bag compatibility
- **Looked into making an easy to use GUI to activate nodes and bag recording**
 - We now have a bash script that allows you to start+stop camera AND start+stop bag recording with simple key inputs.

Code review feedback



- We received valuable feedback during the recent code review session from the Tag Team (Team 10). They commended the cleanliness and adherence to Python protocols in the code at the time, but they recommended incorporating more comments to enhance code clarity. In addition, they provided insightful suggestions for alternative approaches to meet our project objectives effectively. Our client also expressed satisfaction with our progress and encouraged us to focus on achieving simultaneous functionality for the project. This feedback has been instrumental in improving our development process and ensuring we meet our client's expectations.

Plans for Sprint 4



- Get 2 nodes running stable enough that we can record a bag with both, and see if timelines are synced properly. Either keyboard input + camera or kb + screencap
- Complete the launcher and fix its instability and fix file permissions so it doesn't have to be run as sudo
- Implement screen capture as a ROS2 node



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