CSIS 4495_050 – Progress Report 4

Student Name	First Wattanajungroj
Student ID	300371051
Course / Section	CSIS 4495_050
Project Title	Gluu Admin Dashboard

Work Date / Hours Log

Date	Number of Hours	Description of Work Done
Oct 23 ,2025	1	Meeting with Zane
Oct 23 ,2025	2	Designed synthetic PostHog event schema and mock-user personas for analytics testing; planned some user seed covering "registered-only", "registered+upload", and "near-quota" behaviors.
Oct 24, 2025	4	Debugged 'no data after login' issue; added posthog.identify() on auth; verified autocapture and enabled masked session recordings. Implemented Upgrade Plan button and fixed Reset button on dashboard
Oct 25, 2025	1.5	Added 120-second active-session condition and cohorts for Registered-only, Uploaded-item, and Quota Near-Full (≥80%). Emitted quota_near_full event to support an alert/insight tile.
Oct 29, 2025	2.5	Added premium/free plan toggle and working Clear button on image upload. Enabled 'upload-during-register' path to compare cohorts. Created cohorts and a funnel (sign_up_submitted → onboarding_completed → file_uploaded) with time-to-convert. Simulated Stripe webhook and captured payment_succeeded/payment_failed events.
Nov 2, 2025	2	Prepared 5-10 minutes walkthrough script for using in video presentation, and also present to Zane as well.

Description of Work Done

Between October 23 and November 6, I moved the analytics from a proof-of-concept to a testable, insight-ready setup. I first designed a realistic mock dataset and personas, then built a small generator to import ~20 users with staggered journeys. The test set explicitly contrasts "registered-only" users with users who upload during or shortly after registration, and includes a near-quota cohort to validate the alerting logic.

I corrected the issue where new logins did not produce events by identifying users immediately after authentication and make sure autocapture and masked session recordings are enabled. On the UI, I added an Upgrade Plan button (with a simulated Stripe webhook flow) and verified reset/clear behaviors so instrumented events reflect the true state. I also introduced a premium/free plan toggle and allowed uploading during registration to enable a funnel-based comparison of early-engagement behavior.

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On the analytics side, I defined or refined the core funnel (sign_up_submitted → onboarding_completed → file_uploaded), attached time-to-convert, and created cohorts for Registered-only, Uploaded-item, Prospects (plan='free'), and Internal Testers (env='development'). I added a 120-second active-session condition to approximate "engaged" logins and emitted a quota_near_full event at 80% usage to support an insight tile/alert. Finally, I validated user timelines by drilling into funnel Persons, verifying that sessions and replays are linked to the identified distinct. I closed by cleaning or flagging synthetic data and documenting import/delete steps and cohort definitions for repeatable analysis.

My task is about working separately from the main part, I will invite you to join my PostHog so you can see my works there.
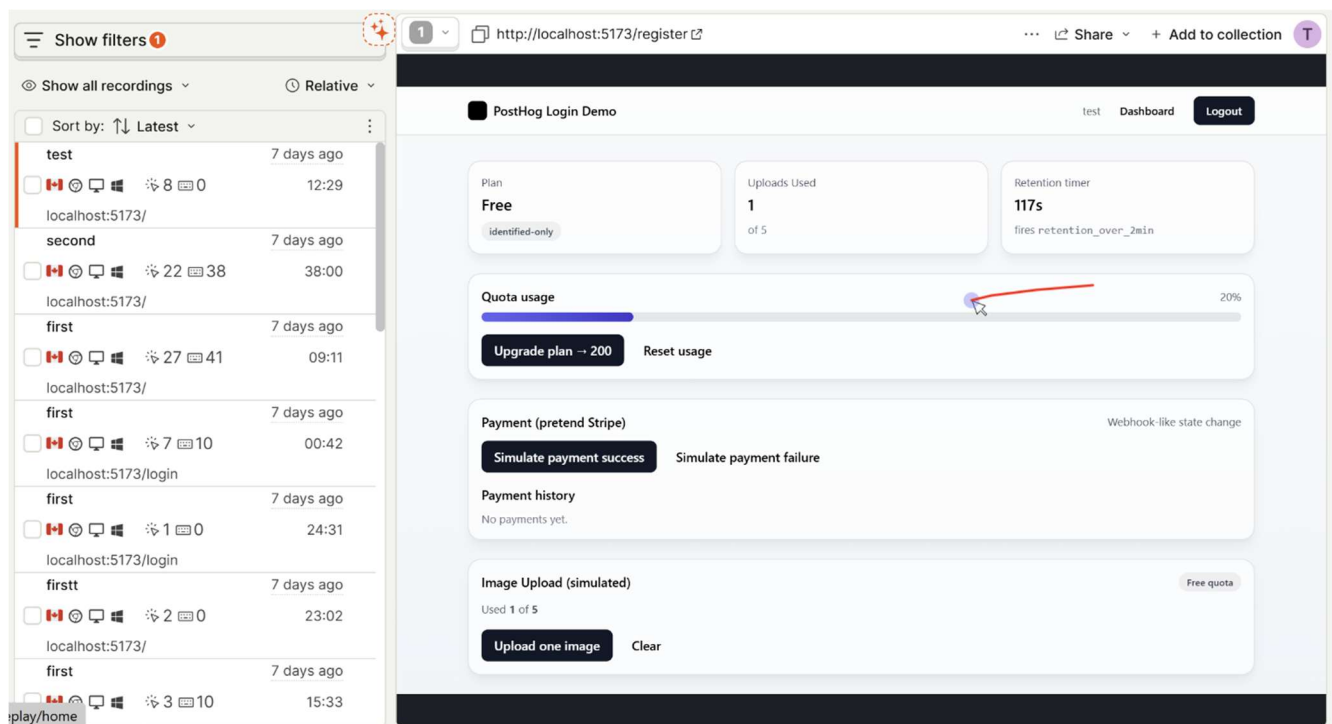

Figure 1. Session replay of users after login successfully.

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NAME ↑↓	USERS IN COHORT ↑↓	CREATED BY ↑↓	CREATED ↑↓	LAST CALCULATED ⓘ	
Payment Failed	2	F you	7 days ago	21 hours ago	···
Payment Success	2	F you	7 days ago	20 hours ago	···
Free User	5	F you	7 days ago	21 hours ago	···
Premium User	3	F you	7 days ago	21 hours ago	···
Register with Upload	3	F you	7 days ago	a day ago	···
Free User	5	F you	7 days ago	a day ago	···
Plan Upgrade	3	F you	7 days ago	a day ago	···
Quota Reached	1	F you	8 days ago	a day ago	···
Near Quota	1	F you	8 days ago	a day ago	···
Registered only	2	F you	8 days ago	a day ago	···
Uploaded at least once	4	F you	8 days ago	19 hours ago	···

Figure 2. Cohorts that I have created and configuration.

Activity

	EVENT ···	PERSON ···	URL / SCREEN ···	LIBRARY ···	TIME ···	
⌄	retention_over_2min	T test	http://localhost:5173/	web	7 days ago	···
⌄	Web vitals	T test	http://localhost:5173/	web	7 days ago	···
⌄	Web vitals	T test	http://localhost:5173/	web	7 days ago	···
⌄	Pageview	T test	http://localhost:5173/	web	7 days ago	···
⌄	Pageleave	T test	http://localhost:5173/	web	7 days ago	···
⌄	retention_over_2min	T test	http://localhost:5173/	web	7 days ago	···
⌄	payment_failed	T test	http://localhost:5173/	web	7 days ago	···
⌄	Set person properties	T test	http://localhost:5173/	web	7 days ago	···
⌄	clicked button with text "Simulate payment f...	T test	http://localhost:5173/	web	7 days ago	···
⌄	payment_succeeded	T test	http://localhost:5173/	web	7 days ago	···
⌄	clicked button with text "Simulate payment ...	T test	http://localhost:5173/	web	7 days ago	···
⌄	payment_succeeded	T test	http://localhost:5173/	web	7 days ago	···
⌄	clicked button with text "Simulate payment ...	T test	http://localhost:5173/	web	7 days ago	···
⌄	plan_upgraded	T test	http://localhost:5173/	web	7 days ago	···

Figure 3. Activities from user collected when user have some important activities will be recorded and uses in Cohort and analytics.
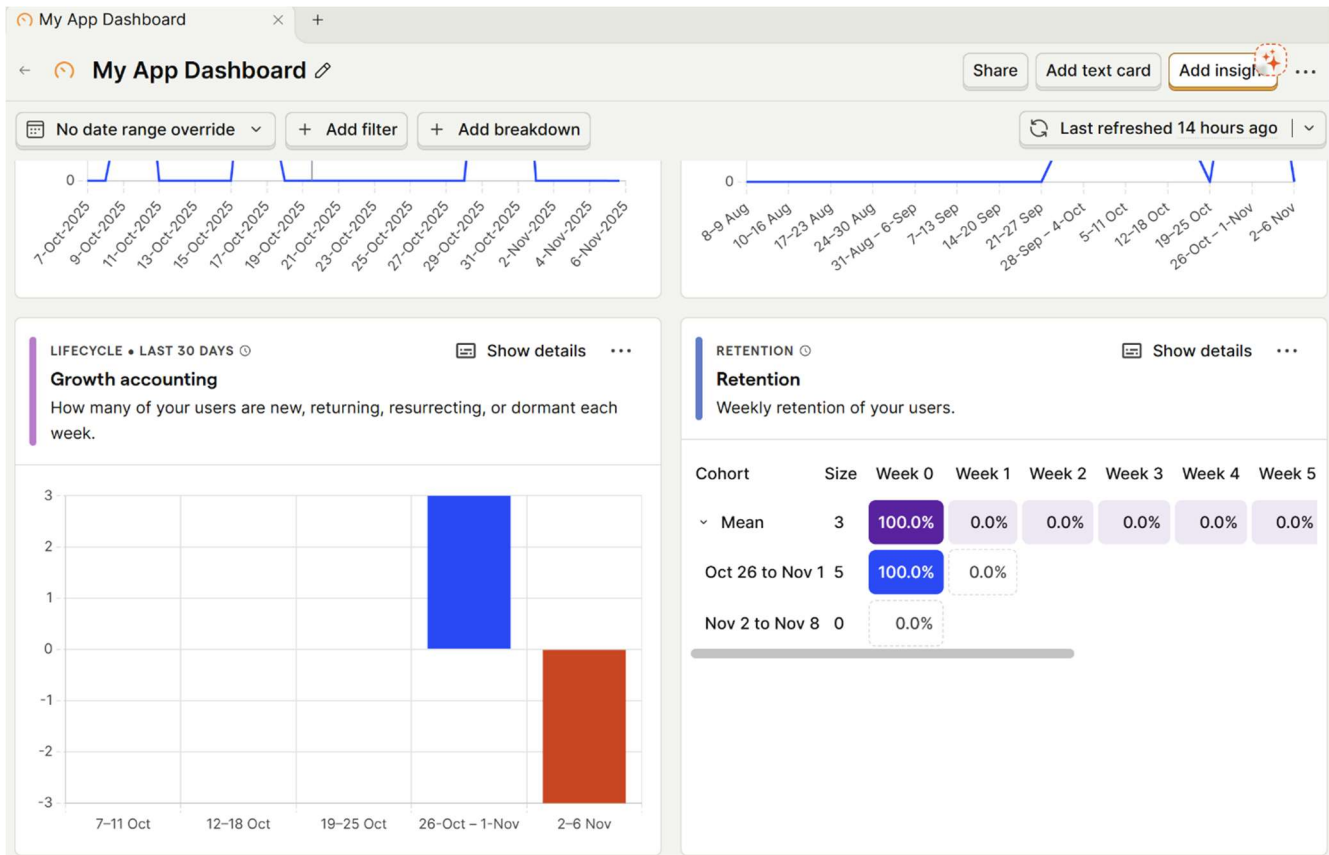
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Figure 4. The dashboard that Can shows in Gluu Admin Dashboard.