

revzen

GROUP 28

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Remember Justin?

University student with an exam the next week that he is struggling to revise for

Easily distracted by his phone- less than half of his study time is productive due to procrastination



Problem: Justin can't stay focused on revision because he keeps getting distracted by his phone

Justin needs a solution to reduce the amount of time he spends distracted by his phone, and to motivate a marathon approach to revision instead of a last minute sprint

95%

of students surveyed claimed to get **distracted** whilst studying

>50%

of these students believed **mobile phones** to be their main distraction



Sarah struggles to study on her own and likes to study with friends.

She wants an app that allows her to see when her friends are revising so she can join them.

Jeremy enjoys playing video games, sometimes to the detriment of his studies.

He wants an app that can keep him entertained in a way similar to games

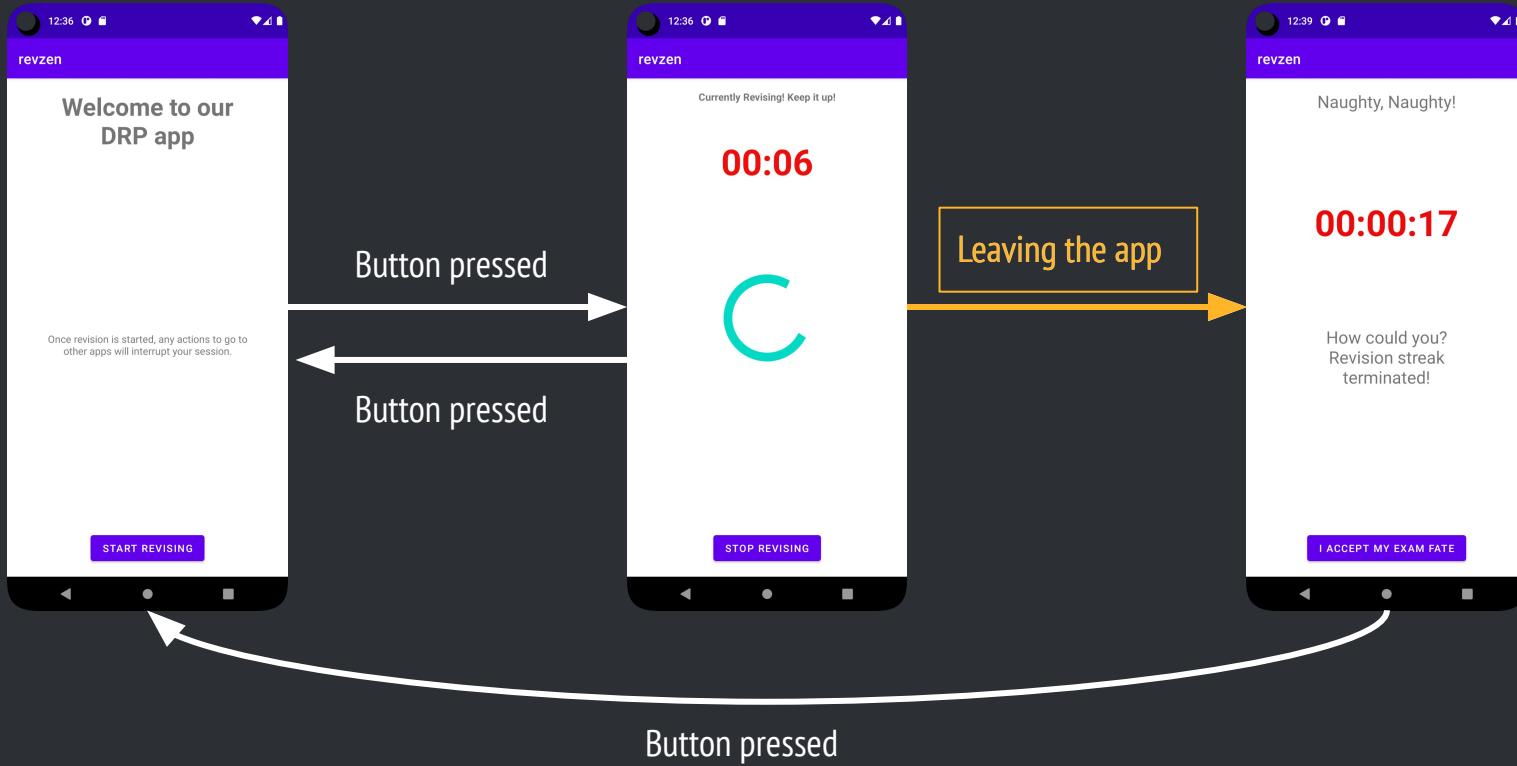


Opportunity Statement



“How might we increase the efficacy of study time by **reducing the temptation of mobile devices** for students in order to achieve **better grades** and promote **better time management**.”

Earliest proof of concept



Working the Problem

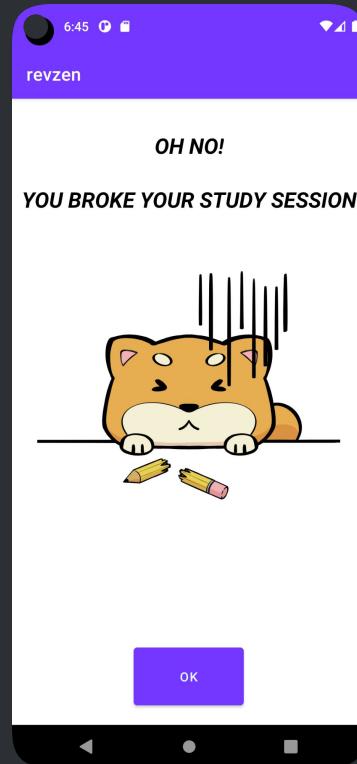
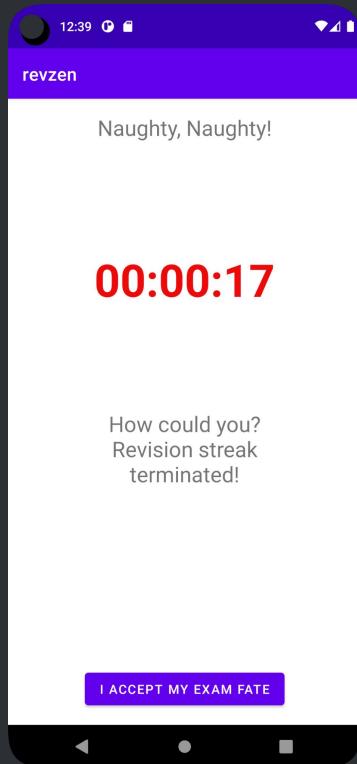
Social Media

- Fear of missing out
- Social interaction is rewarding
- Short dopamine burst
- Easy to endlessly scroll
- Keeping up social appearance

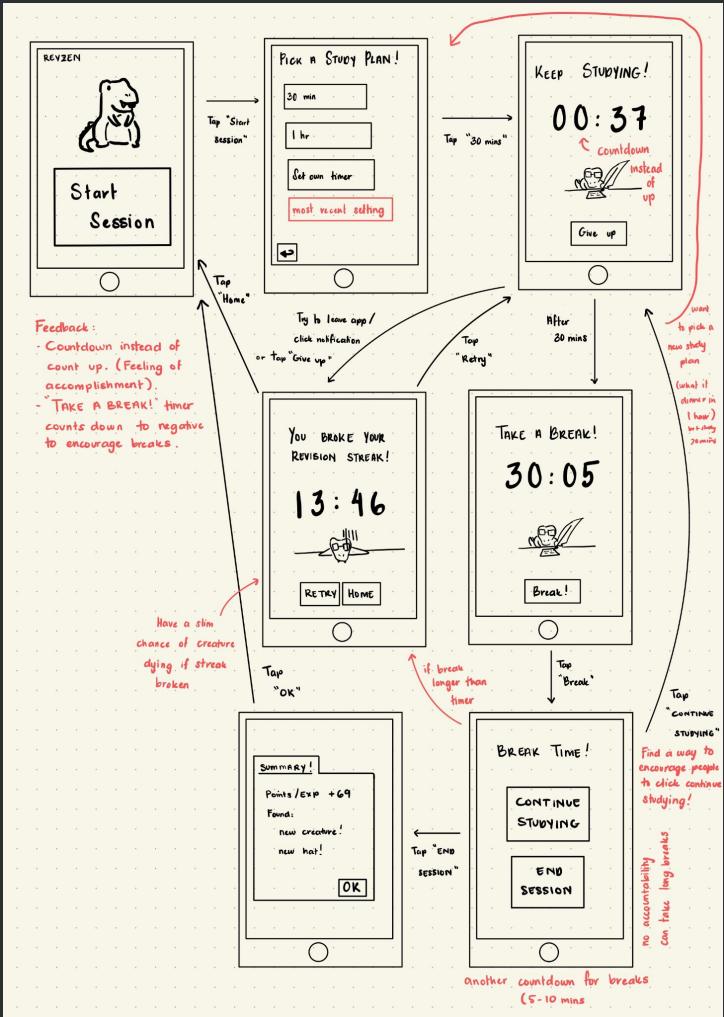
Mobile Games

- Streaks/Login rewards
- Collectables (cosmetics)
- In app purchases (feel invested)
- Probabilistic rewards (loot box)

Which is More Impactful?

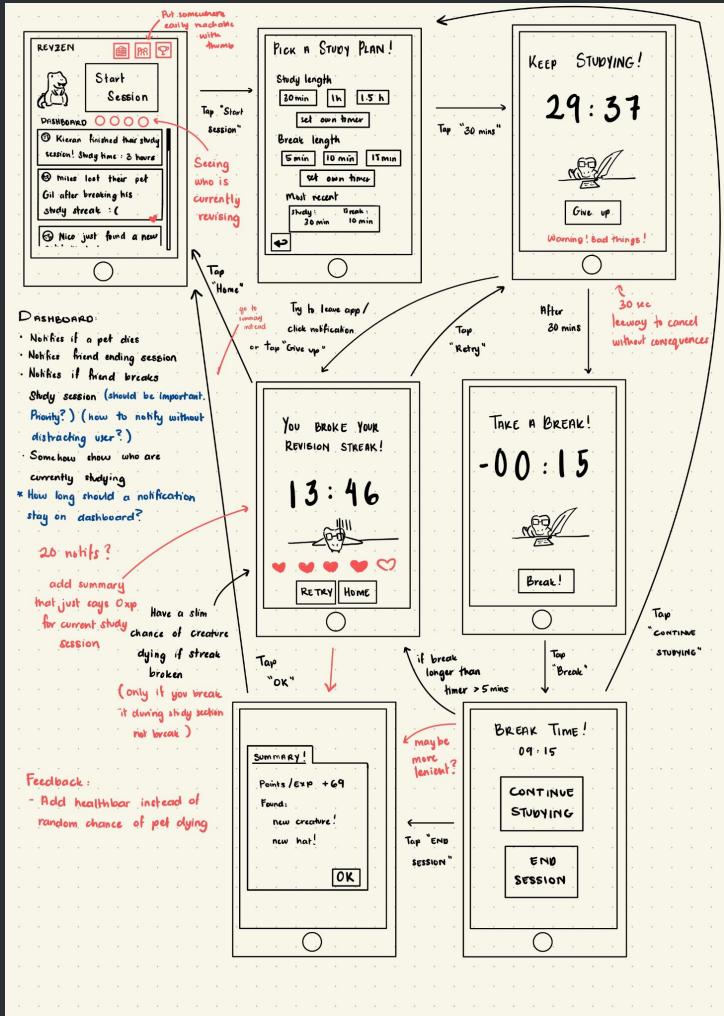


Our Development Process



Iteration #2

- A countdown timer instead of counting up.
- A most recent time setup
- Adding a timer for breaks

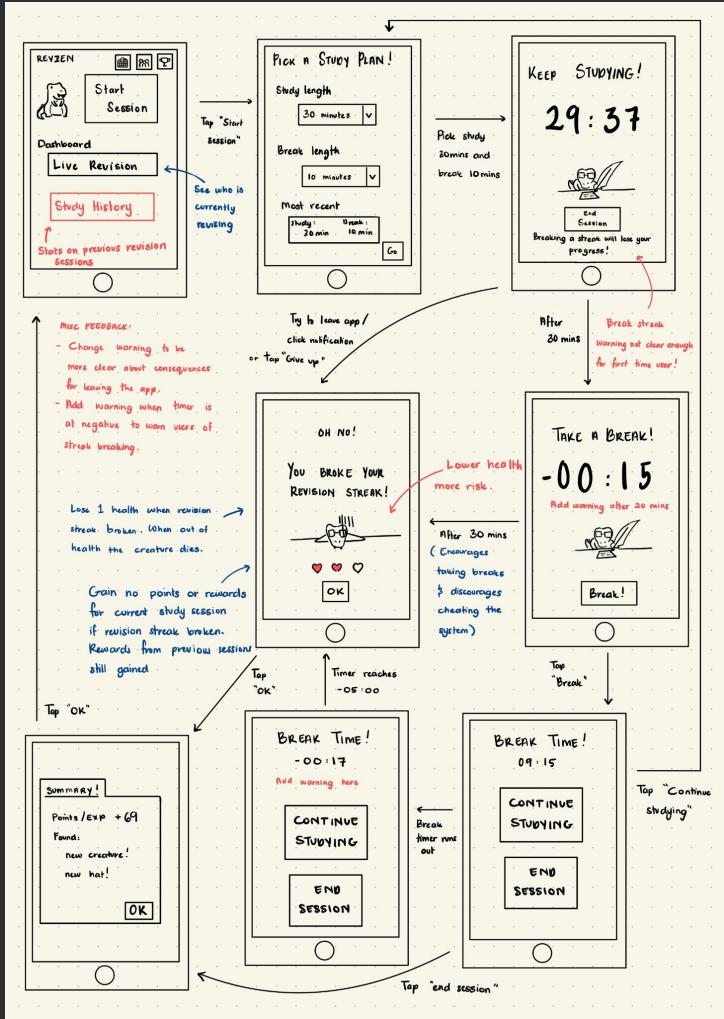


Iteration #7

- Showing users who are currently studying (Live revision status)
- Health bar on pet

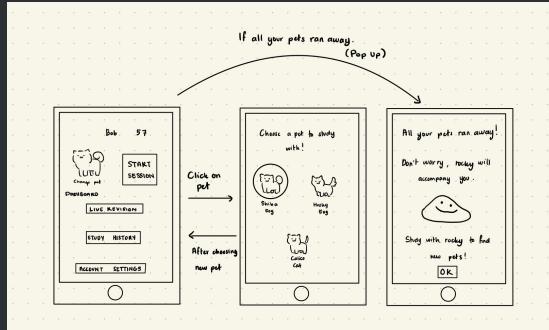
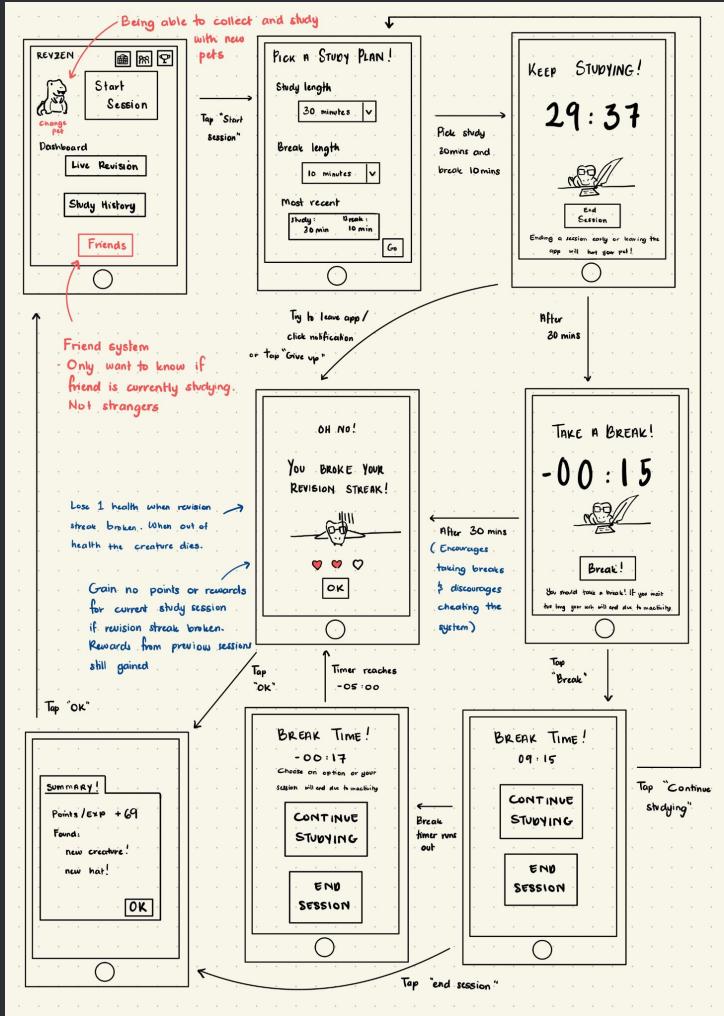
"Just seeing other people study makes me feel guilty about myself..."





Iteration #13

- Study history
- Meaningful warning signs
- Failures for studying or taking a break for too long



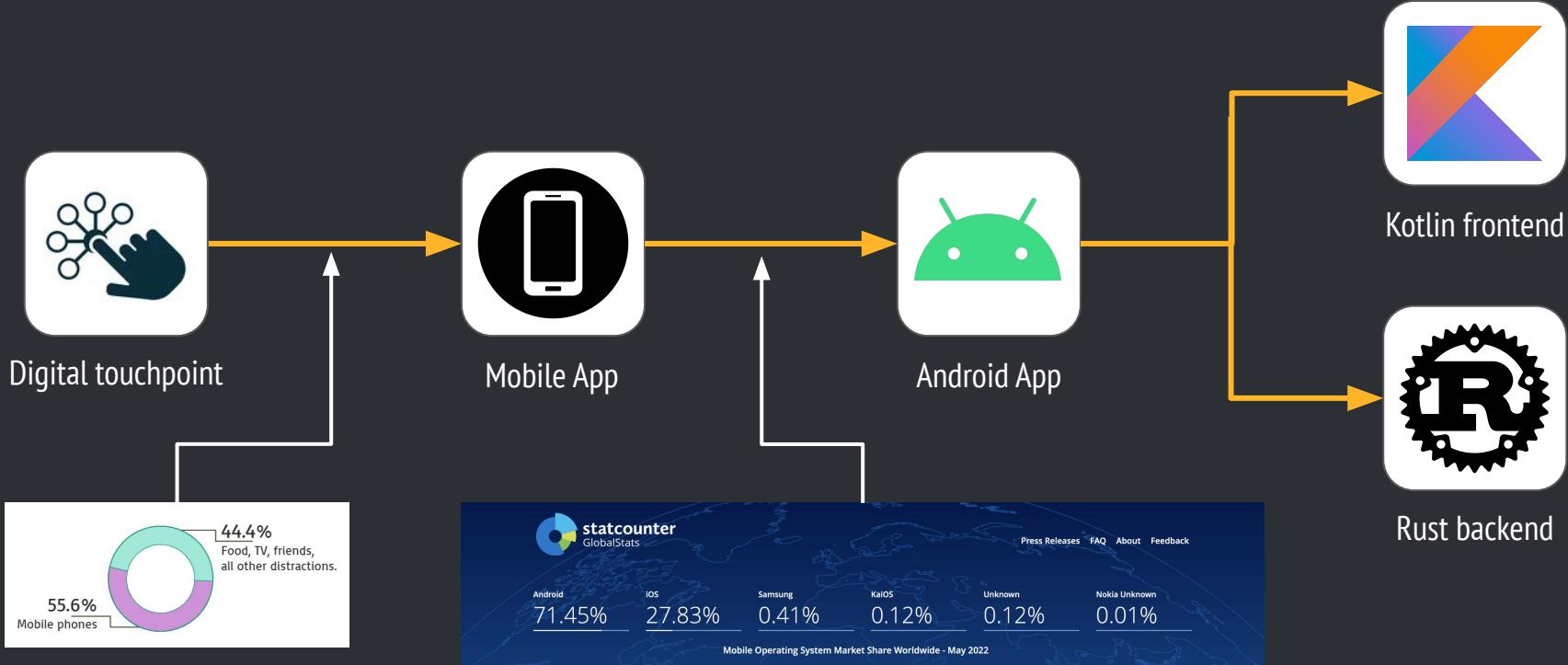
Iteration #17

- Collect new pets
- Adding friends

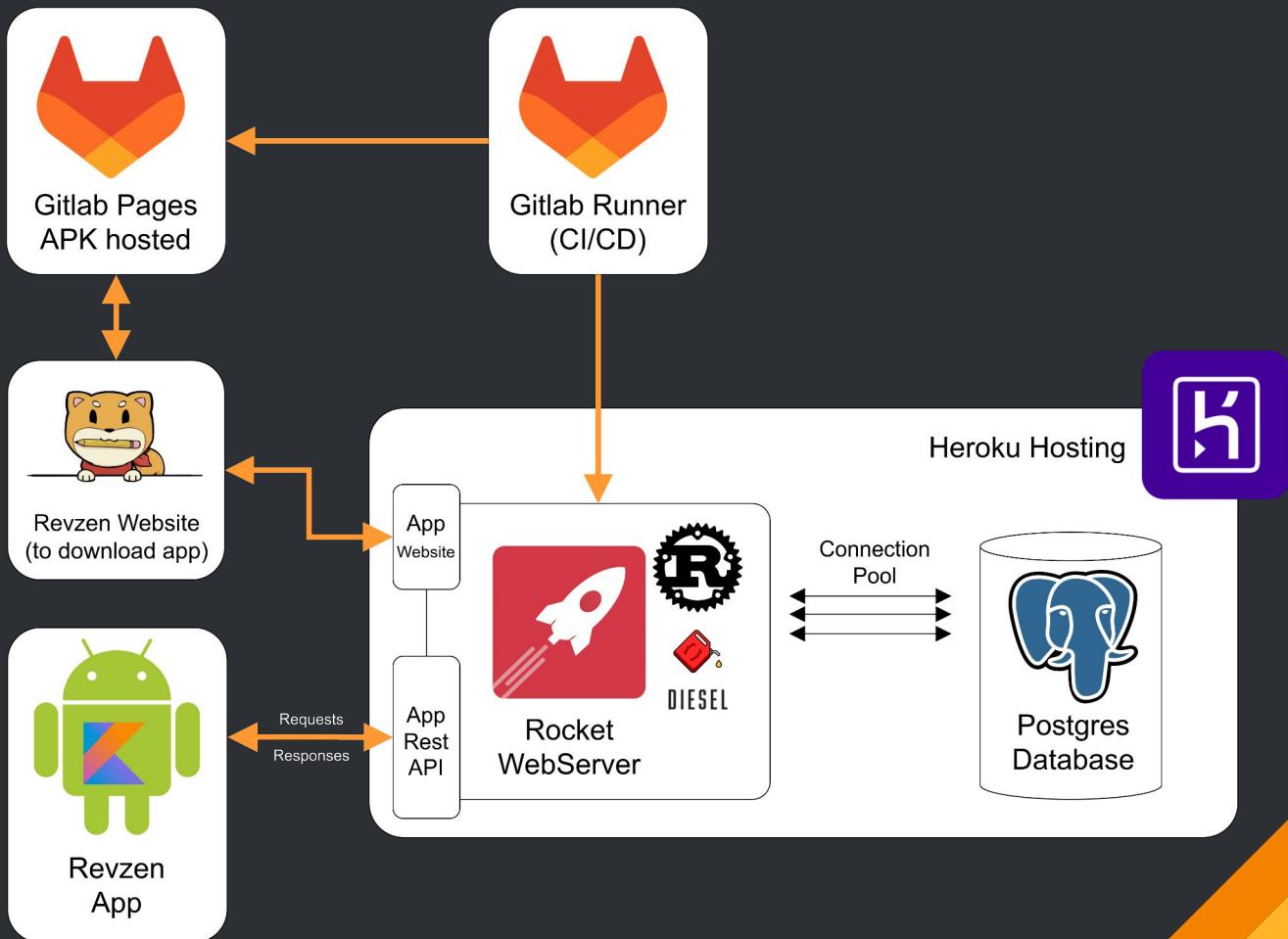
"Have you thought also about making it sort of like tamagotchi..."



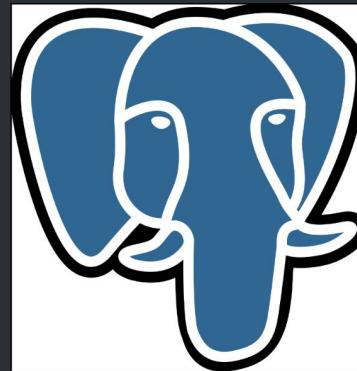
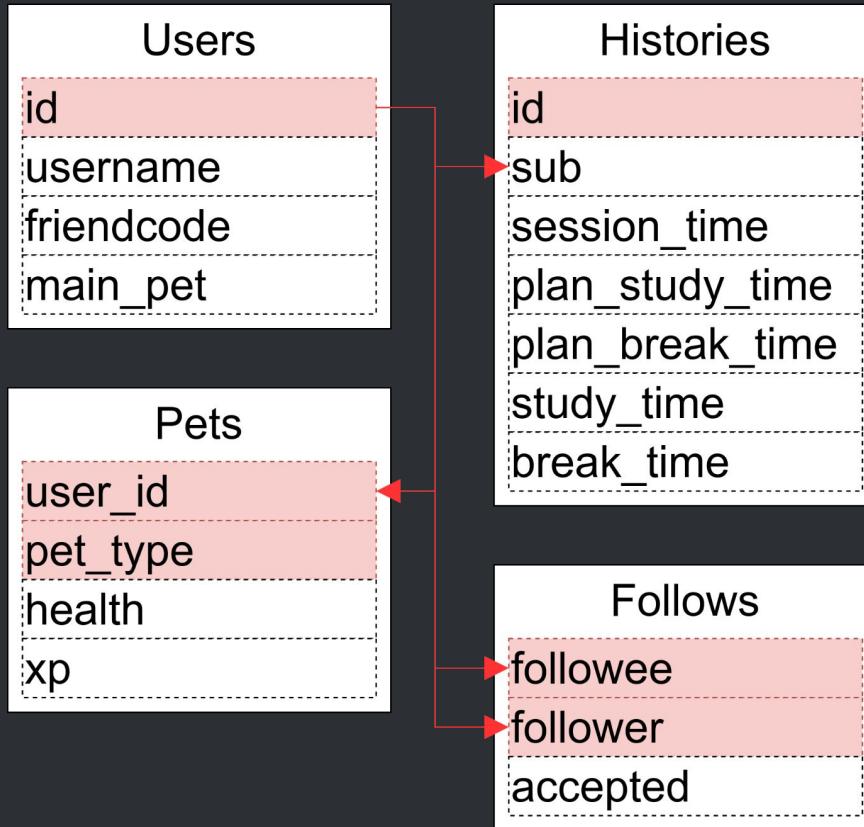
Development Decisions



System Architecture



Models



Has our project actually helped solve the problem?

INTERVIEW VIDEO

The screenshot shows the pgAdmin 4 interface. In the left sidebar, under 'Servers (2)', 'PostgreSQL 14' is selected. Under 'Databases (1)', 'Revzen-Dev' is selected, showing a list of objects: Casts, Catalog, Event Tr, Extensio, Foreign, Languag, Publicat, Schema, and public. The 'Schema' node is expanded, showing 'Ag', 'Co', 'Do', 'FT', 'Aa FT', 'Bb FT', 'Cc FT', 'Full', 'Me', and 'Op'. In the center, the 'Query Editor' tab is active, displaying the query: 'SELECT * FROM histories WHERE sub = 45'. Below it, the 'Data Output' tab shows the results:

	id [PK] integer	sub bigint	session_time timestamp without time zone	plan_study_time integer	plan_break_time integer	study_time integer	break_time integer
1	284	45	2022-06-20 15:22:14	1800	300	1854	273
2	285	45	2022-06-20 15:57:41	1800	300	1821	12
3	286	45	2022-06-22 19:42:36	3600	600	4337	728
4	287	45	2022-06-23 14:12:06	7200	600	4886	0
5	288	45	2022-06-23 15:51:27	1800	600	2271	47
6	289	45	2022-06-24 09:05:12	1800	300	1994	156
7	290	45	2022-06-24 09:41:02	900	300	1008	75

User Impact



More effective study
time



More time for other
activities



Better grades

What went well?

- Effectively used agile development, centred around user feedback and justified with user generated data (KPI)
- Clear communication and delegation of tasks
- Good git hygiene throughout
- A functional, polished end product we're proud of

What would we do differently?

- A wider variety of student age groups
- More research in balancing positive and negative reinforcements
- Making a more robust pipeline from the start of the project by using a different build tool than Gradle

Future Features



More social features



Secure login feature



Animations/Customisations



Google Play Store
deployment



iOS support

Thank You For Listening!



Visit our website to download our app
and try it for yourself!

<https://revzen-backend-dev.herokuapp.com>

