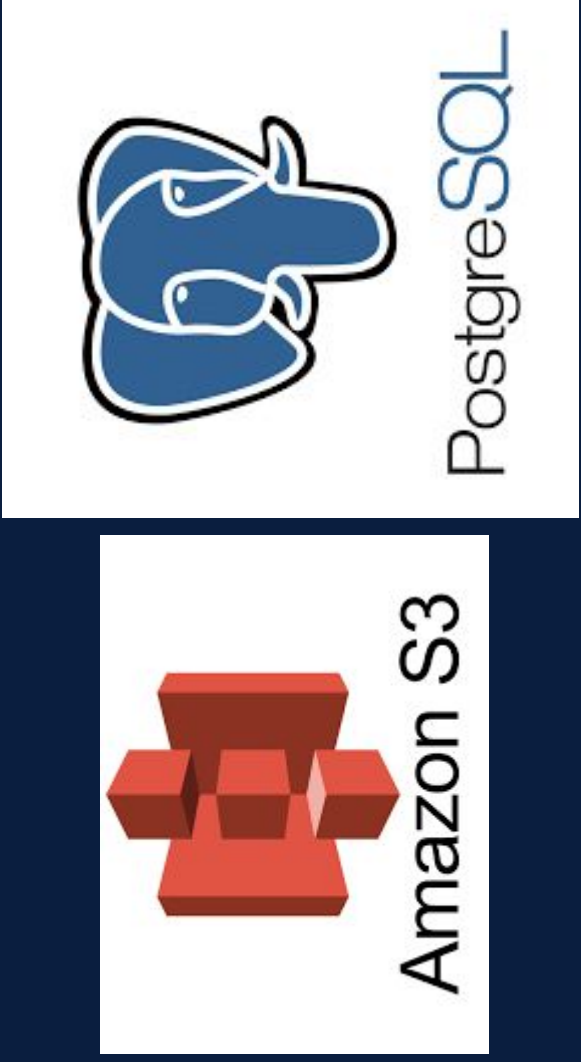
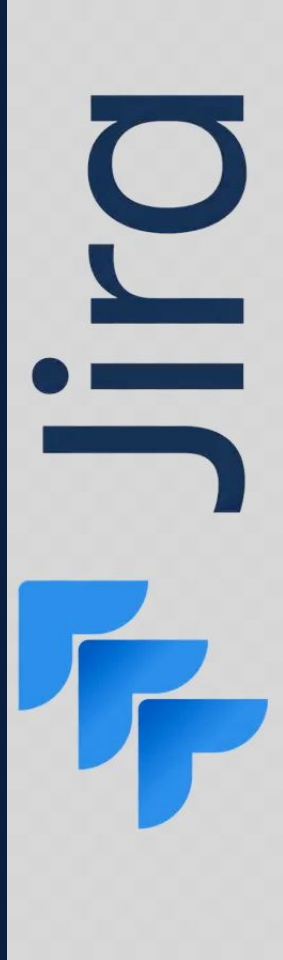
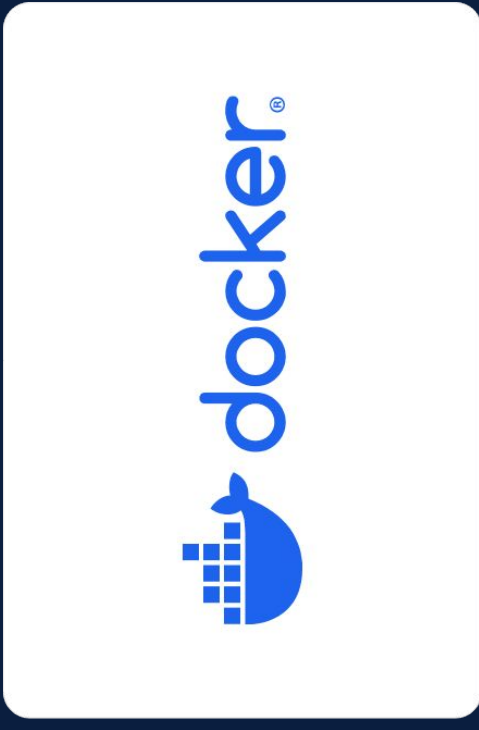




CLMS - Question Generator using Google Gemini

Students: Anabella Amanau, Sebastian Abarca, Joshua Lopes, Nicholas Donahue

Instructor/Faculty: Professor Seyedmasoud Sadjadi, Florida International University

PROBLEM

In order to create suitable assessments it takes time and effort from an individual to look at the material and create individual questions/answers for students. This is on top of a teacher's already very busy schedule. With our system, teachers can now use informational videos/ self-recorded lectures to create assessments for their students using Google's Gemini AI. This can efficiently cut down the time needed for creating assessments.

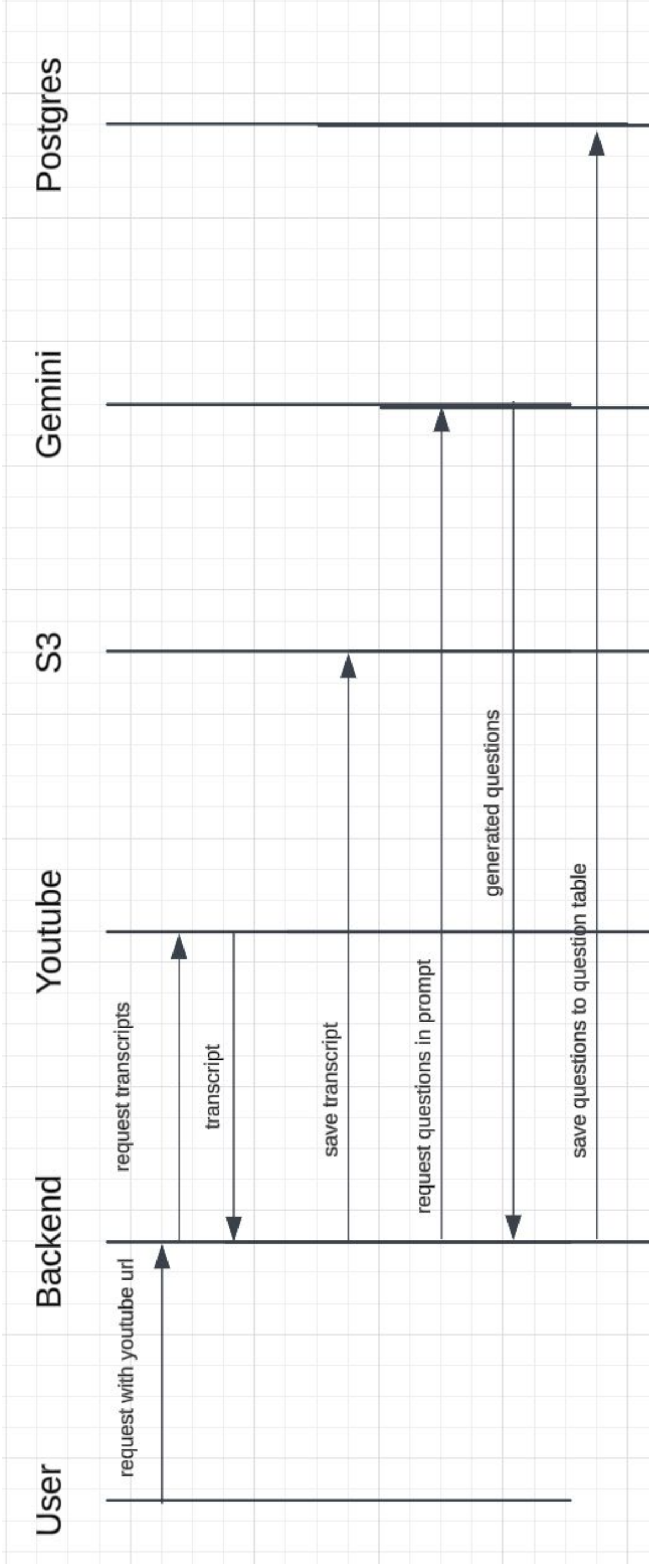
Solutions

We have created a subsystem to help educators to create questions from videos hosted on YouTube using Google's Gemini AI. This allows educators host videos on YouTube and using its link, create a question set.

REQUIREMENTS

- Educators can:
- Use a YouTube link to generate questions
 - Edit generated questions
 - Add these questions to their Question Bank

SEQUENCE DIAGRAM



SUMMARY

In conclusion this system helps tutors create questions quickly and efficiently. Allowing for tutors to spend more time, helping students learn, improving their knowledge on a subject, setting up lesson plans. This in turn will also help speed up the rate at which assignments can be made, since they are made of questions.

Object Design



IMPLEMENTATION



REFERENCES

- Google AI (2024) Gemini API *documentation*. Available at: <https://ai.google.dev/gemini-api/docs>