

PodClass

AI Idea Presentation

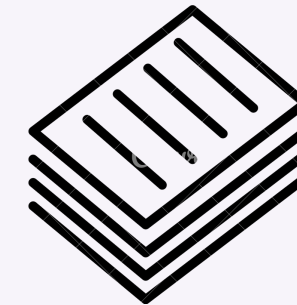
Alon - Timo - Alex - Jakob

Motivation

What pains do we want to solve?

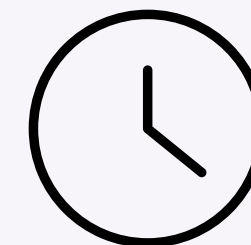
Overwhelming amount of study material

Many students struggle with the abundance of study materials and the limited time they have for learning



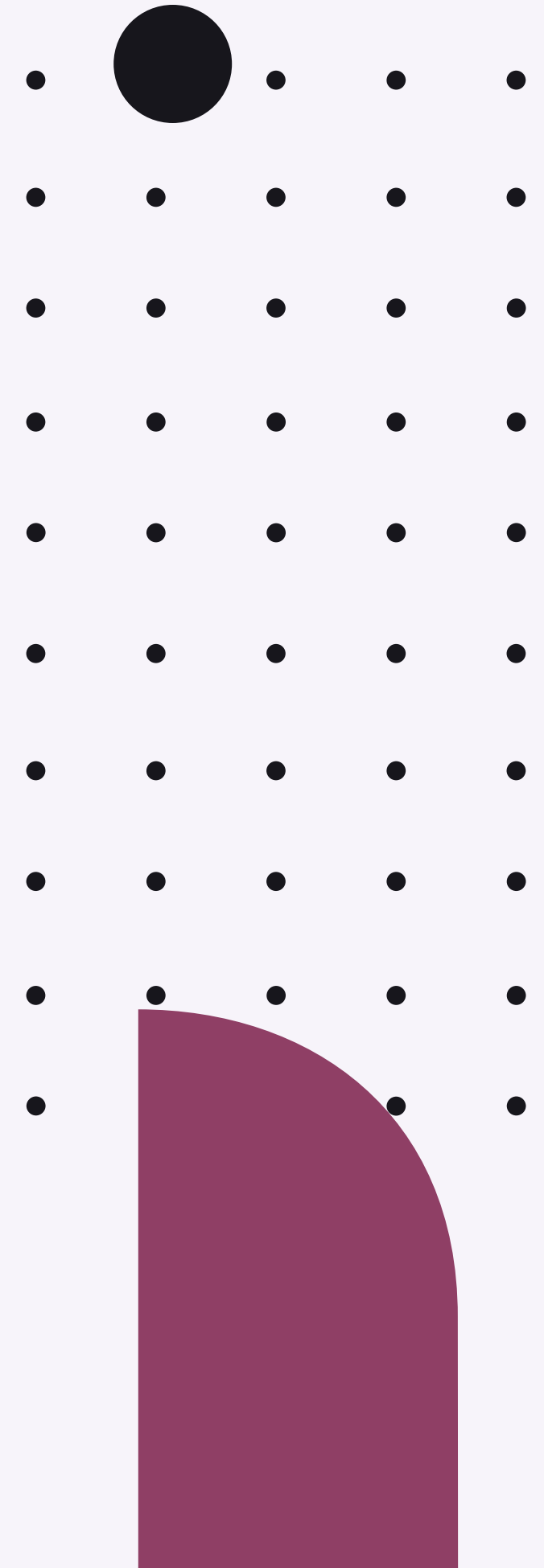
Time consuming reviews

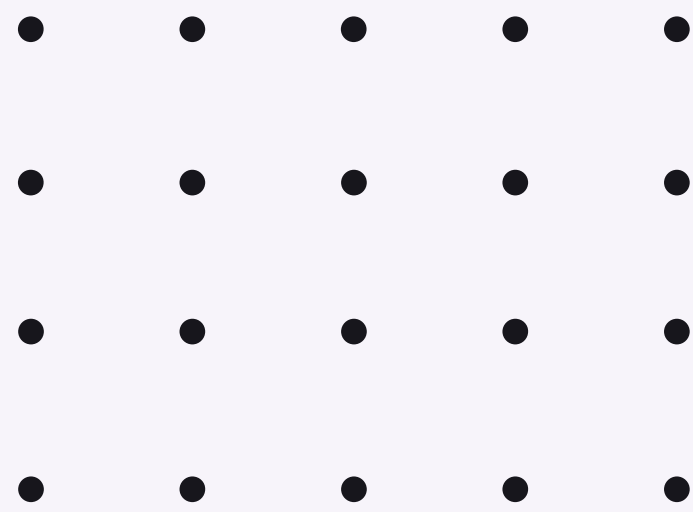
Reviewing extensive slide decks often comes with a significant mental barrier that must be overcome before you one starts this time-consuming task



Strain on attention and focus

Monotony of study routines really puts a strain on concentration and focus, making it difficult for students to stay engaged





Introducing...

the smart way to learn – our AI-powered solution turns lecture slides into engaging, easy-to-listen podcasts, making studying efficient and accessible anytime, anywhere.



Concept

- Users upload PDF files, set parameters (e.g., language, speed), and submit them to our backend.
- The system extracts and formats the text, sending it to an LLM for content generation.
- The output is converted to an MP3 file by an AI, ready for download.

PodClassAI

Load up your lecture notes, convert them into a podcast and listen to them on the go!

Load up your lecture here



How does it work?

Just convert your lecture slides or your notes into a PDF and load them up on this website. You can then choose specifics as language or length of podcast. With the help of AI, your notes will be converted into a podcast you can listen to whenever you want, wherever you want.

What is it good for?

"Learning by listening" is one of the six types of learning. Some people process information better by listening, instead of reading your lecture again and again. Transforming them into a podcast rather than just letting them be read out loud by a program helps you to engage with them more and create an easy listening experience.

Impressum

Alexander Kunn
Alon Niemeyer
Timo Heyn
Jakob Strade

From slides
to sound



Concept

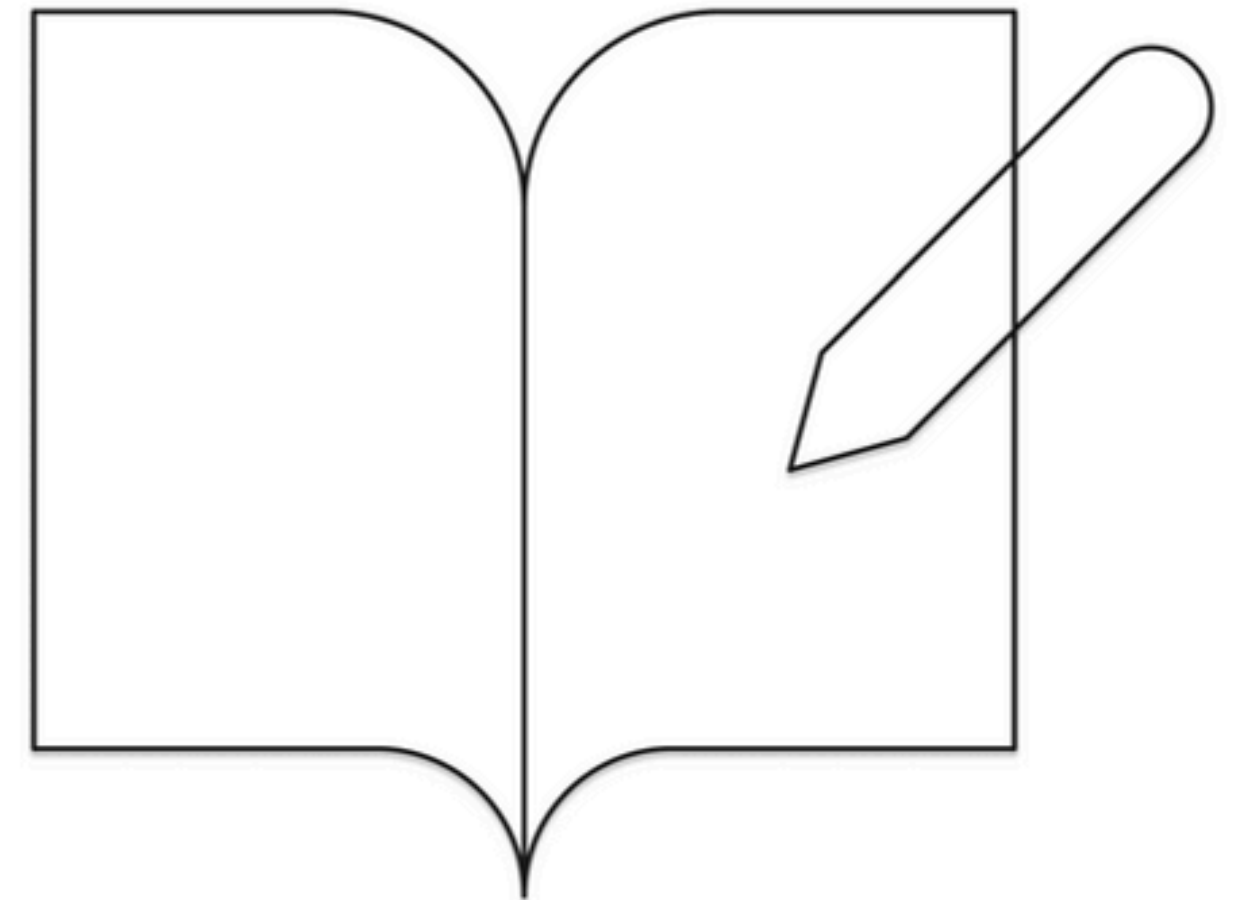
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Your Podcasts

Podcast 1

Podcast 2

Podcast 3



Select Length of podcast

Select Language

Select Speed

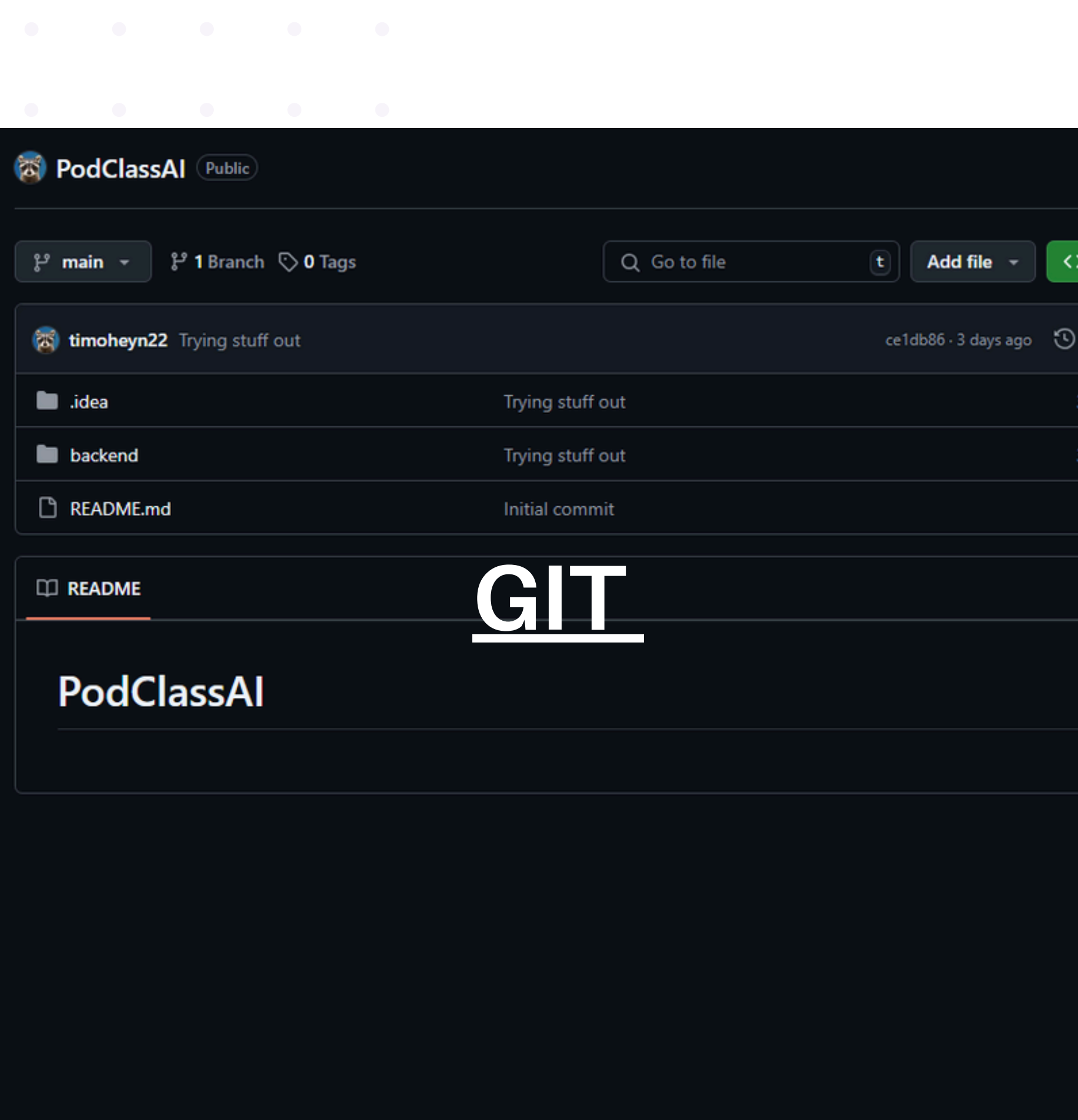
Create Podcast

Impressum

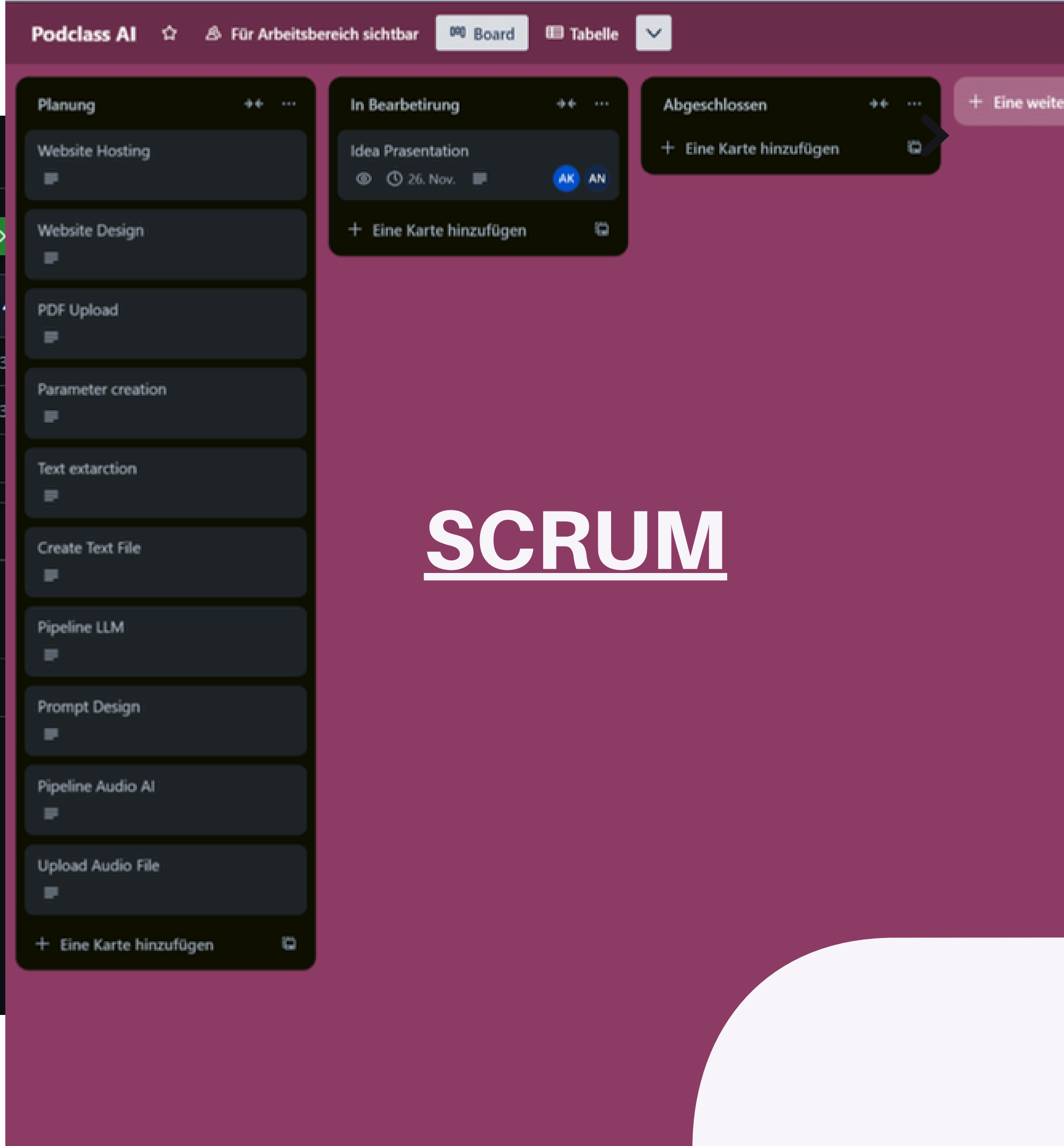
Alexander Kunn
Alon Niemeyer
Timo Heyn
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back to landing page

upload new pdf



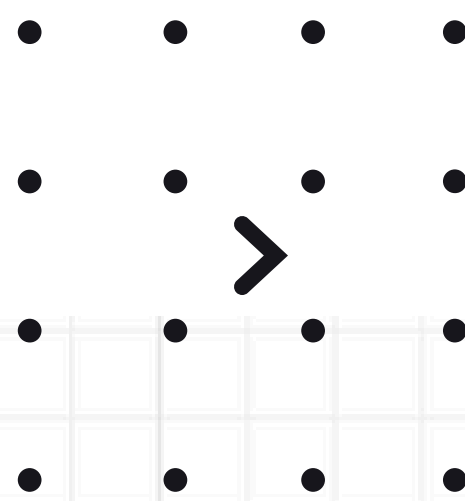
GIT



SCRUM



system architecture



1

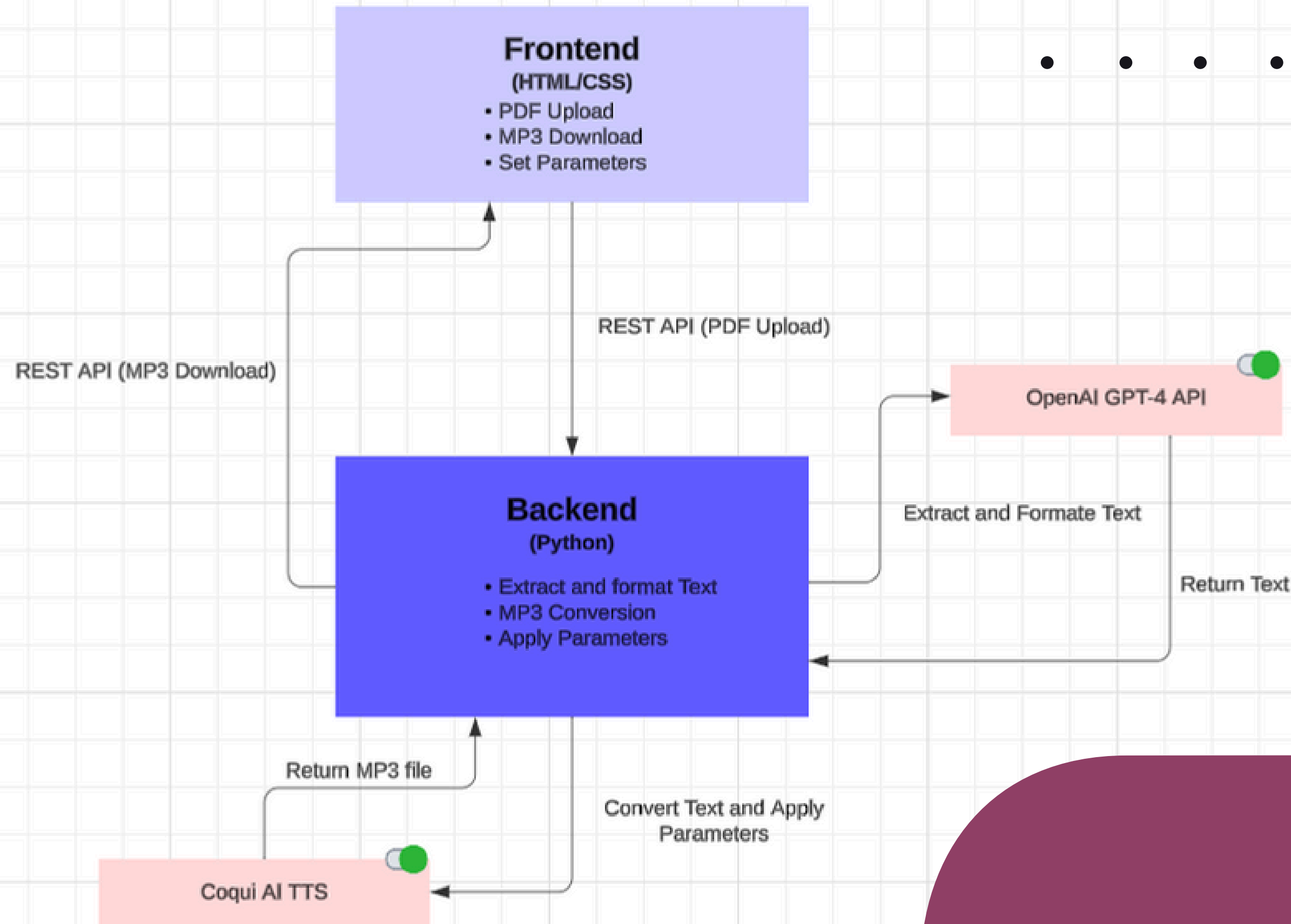
Frontend (HTML/CSS)

PDF Upload,
MP3 Download
Set Parameters

2

Backend (Python)

Extract and format Text
MP3 conversion
Apply Parameters



AI Applications needed

1

OpenAI GPT-4 API

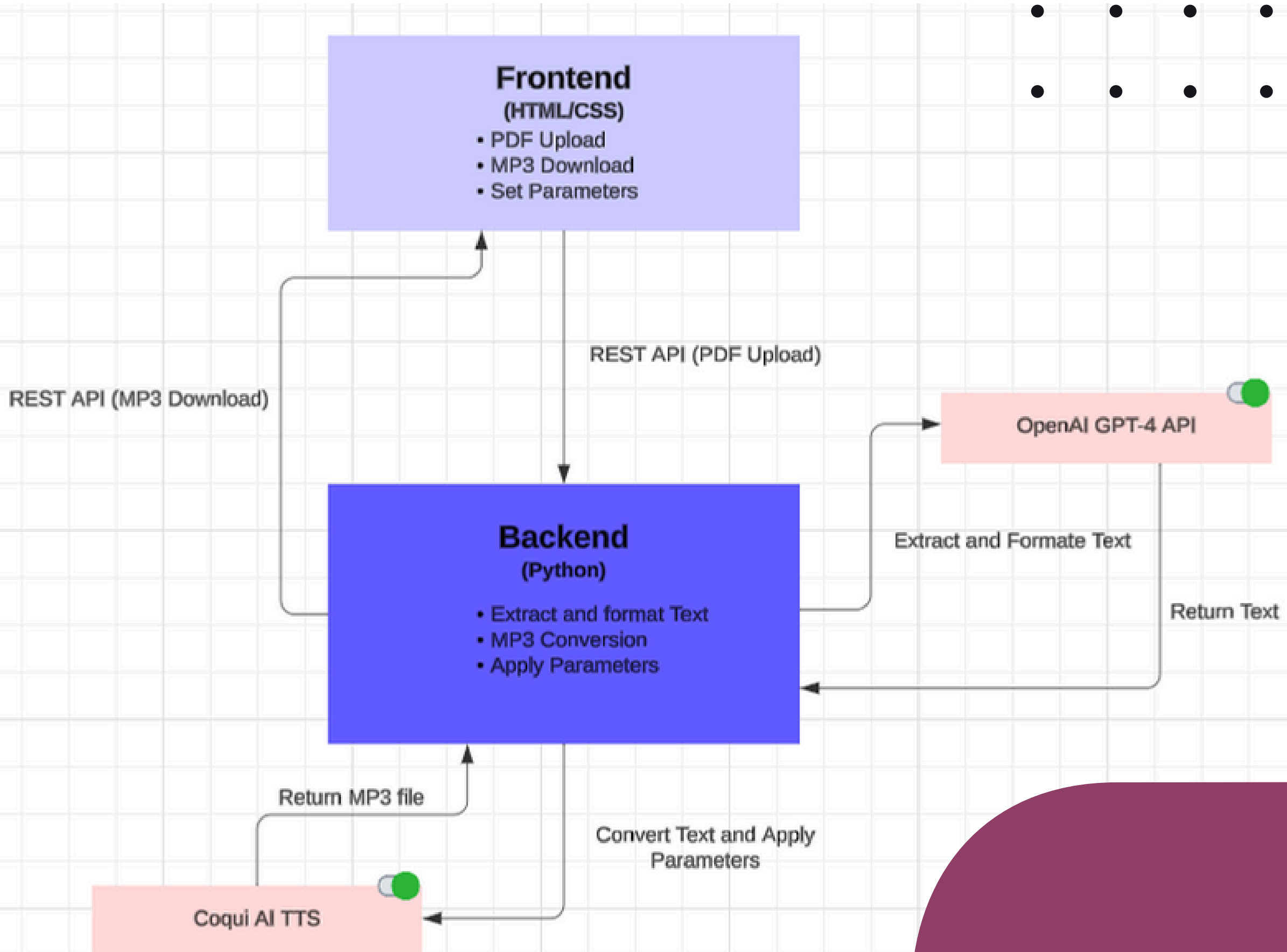
API used for Text extraction and formation

2

Coqui AI TTS

API used for text to speech conversation

system architecture





Timetable

16th of December 2024	Found optimal prompt for script creation
6th of January 2025	DEMO: Completed implementation of website with all features
20th of January 2025	Finished survey and feature review
End of January 2025	FINAL product