

AI-Powered Summarizer

This is a lightweight, frontend-only web application that uses Google's Gemini API to generate summaries from meeting transcripts and PDF documents. It's designed with simplicity, elegance, and functionality in mind.

What It Does

This web app allows you to:

- Paste a meeting transcript and receive:
 - A clear summary of the meeting
 - A list of key decisions made
 - Action items with assigned owners
- Upload a PDF document and get:
 - A concise, readable summary of its content

It provides a clean UI using Tailwind CSS and integrates PDF.js for text extraction from PDFs.

📁 How the Project is Structured

Everything is in a single HTML file (index.html), with embedded JavaScript and CSS. The design is responsive, supports tab switching between transcript and PDF modes, and includes dark-themed PDF interaction for better readability.

Tech Stack

- HTML5 + Tailwind CSS – for layout and styling
- Vanilla JavaScript – for all logic and interaction
- Google Gemini API – for text summarization (you'll need an API key)
- PDF.js – for client-side PDF text extraction

Getting Started

1. Clone the repository

```
git clone https://github.com/yourusername/ai-powered-summarizer.git
```

```
cd ai-powered-summarizer
```

2. Open the index.html file in your browser

🔗 Setting Up Gemini API

To use the app:

- Visit Google AI Studio and get your Gemini API key.
- Open index.html, scroll down to the line:
`const apiKey = "YOUR_API_KEY"; // Replace this`
- Replace "YOUR_API_KEY" with your actual Gemini API key.

Important: This app directly calls the API from the browser. In production, you should proxy the request through a backend server to keep your key safe.

🔗 How to Use

- For Meeting Transcripts:

1. Paste the meeting transcript in the text area.
2. Click the 'Analyze Transcript' button.
3. You'll see a summary, key decisions, and action items.

- For PDF Files:

1. Click the 'PDF Document' tab.
2. Upload a .pdf file.
3. Click 'Summarize'.
4. The extracted content will be summarized in the output box.

🔗 UI Overview

- Tabs to switch between transcript and PDF modes
- Responsive design
- Dark-themed PDF section
- Real-time loading spinner and error handling

Planned Features

- Download summary as .txt or .pdf
- Support for .docx files
- Summary tone customization (brief, formal, bullet-based)

- Multi-language summarization

Contributing

Want to improve it? Feel free to fork and submit a pull request!

```
git checkout -b feature-name  
# make your changes  
git commit -m "Added feature"  
git push origin feature-name  
.
```

Credits

- Tailwind CSS
- PDF.js
- Google Gemini API