1. OpenAI Account

We need an OpenAI account to access their API. We will use their API once at the beginning for the embedding model (turning our data into numeric vectors). We will then use their API ongoingly to access the language model responsible for taking in data and answering user queries within our RAG chatbot. This account provides access to GPT-4 and embedding models required for search and summarization functionality.

- *Plan Required*: N/A (It isn't a plan, just pay-as-you-go API usage)
- *Estimated Cost*: ~$10-25/month depending on usage (in the first month in which we embed all of our data, this cost may be higher).
  Billing: Linked credit card, charged monthly based on API calls.
- *Sign-Up Link*: https://platform.openai.com/welcome?step=create
- *Keys Linked to Account*: API Key

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2. QDrant Account

QDrant is our vector database, used to store and search over the text and image embeddings generated from our data. This is essential for fast, scalable retrieval of relevant information in response to user queries. We will need to create a single "collection" to store our embeddings.

- *Plan Required*: Hybrid Cloud
- *Estimated Cost*: ~$30-60/month
- *Billing*: Monthly subscription via credit card.
- *Sign-Up Link*: https://platform.openai.com/welcome?step=create
- *Keys Linked to Account*: API Key, QDrant URL

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3. AWS Account (For AWS s3)

AWS S3 will be used to store our images and some PDFs. This provides reliable, scalable file storage with public link sharing functionality. We will need to create a single s3 "Bucket" to put our photos into.

- *Plan Required*: Standard S3 Storage
- *Estimated Cost*: ~$0-$10/month, this will vary based on number and size of documents uploaded.
- *Billing*: Monthly subscription via credit card.
- *Sign-Up Link*: Sign Up here
- *Keys Linked to Account*: Secret Access Key, Public Access Key