*Nikhil Ranjan*

*\*If missing anything please add and put a small explainer in the group chat about it, thanks. We should be able to follow these steps to finalize a database good enough for our needs.\**

**Define data types:** Identify the types of data that your web app will handle, such as images, videos, audio, and other unstructured data. Determine how you will store this data in your NoSQL database and what kind of data structure is appropriate.

* Images
* Videos
* Audio files
* Structured – relational data
* Unstructured – storage of cracked captcha? Need clarity

**Database type:** NoSQL databases come in several types, such as document-oriented, key-value, column-family, and graph databases. Choose the type of database that is best suited for your data and application requirements.

* Mongo DB -

**Define data model:** defining the entities (e.g., users, products, images) and their relationships with each other, and defining the attributes and properties of each entity.

**Determine access patterns:** Determine how your application will access the data in your NoSQL database. Consider the types of queries your machine learning models will execute and design your database schema to optimize those queries.

**Optimize for scalability:** Consider sharding, replication, and other techniques for scaling your database as your application grows.

**Configure security:** Configure authentication and authorization for user accounts. Use MongoDB's built-in role-based access control (RBAC) to restrict access to sensitive data.

(Choose indexing strategies? Maybe not needed)