Step 1: Requirements Clarifications

* What all are the requirements Example: functionalities related to the system etc.

Step 2: System interface definitions

* What are API’S needed. Example: markTweetFavorite(user\_id, tweet\_id, timestamp, …)

Step 3: Back of the envelope estimations

* What scale is expected from the system?
* What network bandwidth usage are we expecting?
* How much storage will we need?

Step 4: Defining data model

* Defining the tables and how they interact with each other
* Which database system should we use?

Step 5: High Level Design

* Draw a block diagram with 5-6 boxes representing the core components of our system. We should identify enough components that are needed to solve the actual problem from end-to-end.

Step 6: