System Design questions:

1. This was a HLD round. They asked me to design a google calendar . They were keen on knowing how I’ll store the data for so many users . How various calendar functions (refresh calendar, create invite, delete meeting, know participants who accepted and rejected the invite) would work. Further they asked me how you would scale with increasing customer base. I was using RDBMS to store the data. So, I split the information across various db instances and used one table to track what machine contains data for which user (I was using a unique identifier for each user)
2. file server system to design (dropbox ,google drive)
3. Apache Airflow (workflow model) : Airflow is a platform to programmatically author, schedule and monitor workflows.

Use airflow to author workflows as directed acyclic graphs (DAGs) of tasks .The airflow scheduler executes your tasks on an array of workers while following the specified dependencies. Rich command line utilities make performing complex surgeries on DAGs a snap. The rich user interface makes it easy to visualize pipelines running in production, monitor progress, and troubleshoot issues when needed

**Apache Airflow** is a workflow automation and scheduling system that can be **used to** author and manage data pipelines. **Airflow uses** workflows made of directed acyclic graphs (DAGs) of tasks.

<https://www.youtube.com/watch?v=U_hBRfPwPJE>

<https://www.quora.com/What-is-Apache-AirFlow>

ETL(Extract-Transform-loading )

<https://towardsdatascience.com/getting-started-with-apache-airflow-df1aa77d7b1b>