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Project Demands – Taxi Fare Prediction:

Outcomes:
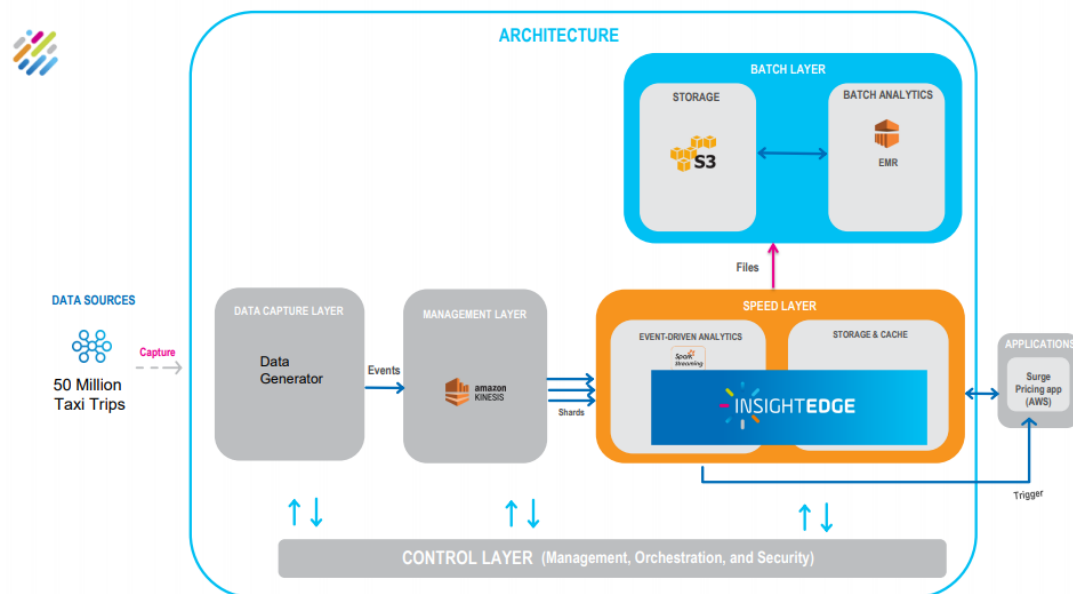
Goal: Surge Pricing for Taxi Ride Fare.

In cases of very high demand, fares may increase to help ensure those who need a ride can get one. Some riders will choose to pay, while some will choose to wait.

Our goal is to predict surge Pricing for Taxi Ride Fare, using ML and big data processing tools.

Technologies:

- • Amazon SageMaker (Data Science)
- • Amazon Kinesis (Streaming)
- • Amazon S3 (Storage)
- • Machine Learning (Apache Spark)
- • Interactive Development (Apache Zeppelin)
- • Visualization (Grafana)
- • BI (Tableau)

Architecture:

Constrains:

Our guides are GigaSpaces, their responsibilities to us are: Bi-Weekly Updates, F2F Meetings, Design Review, Code Review, manage the Project Timeline and milestones.

In addition to their guidance , we would also need to have a lot of self reading about the technologies we are going to use.