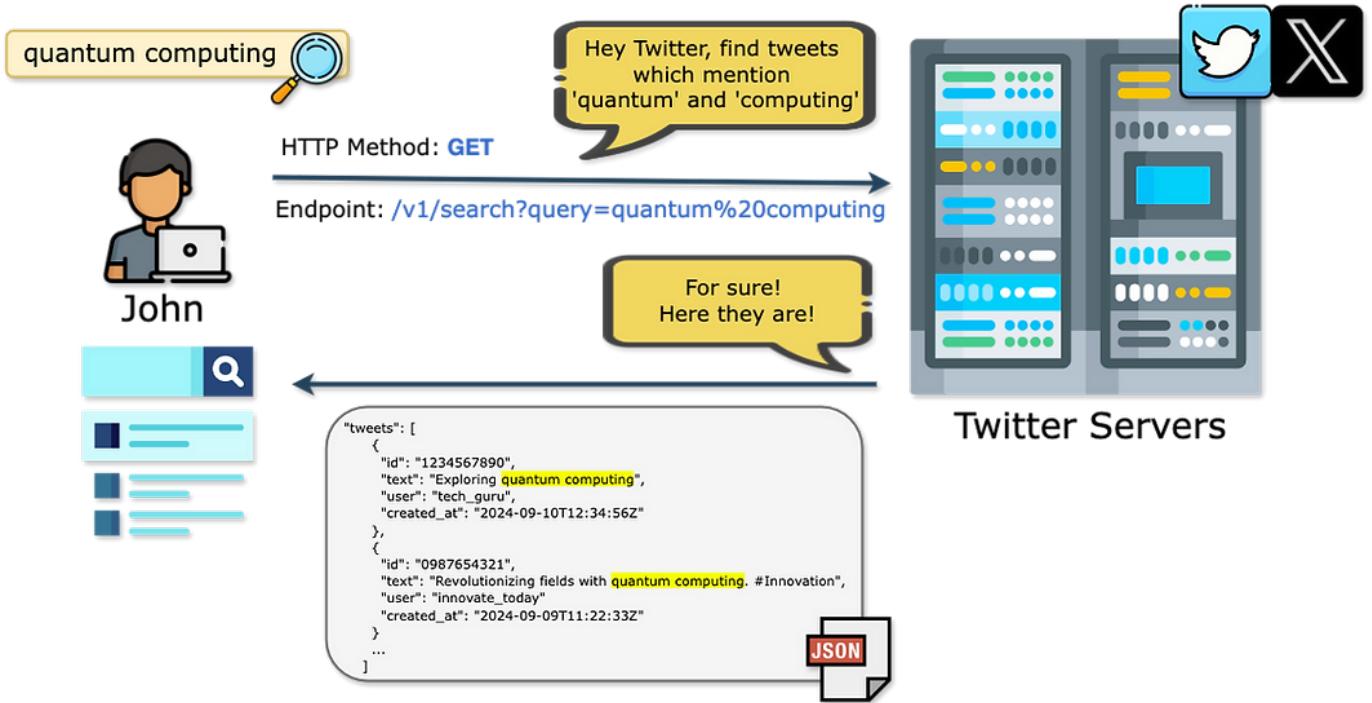
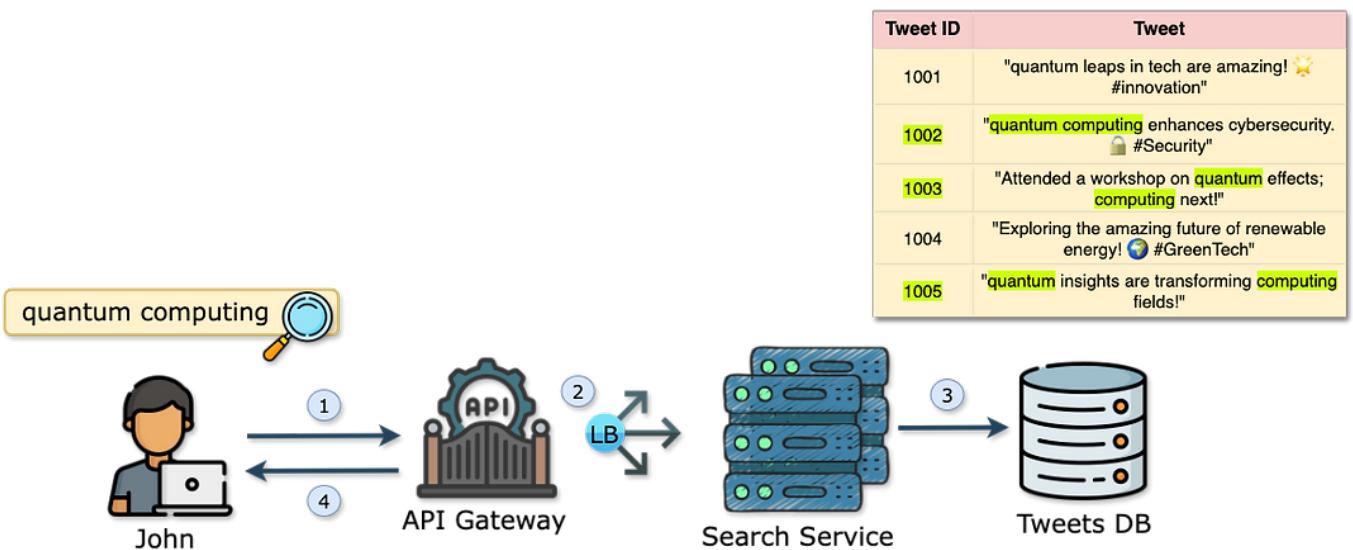


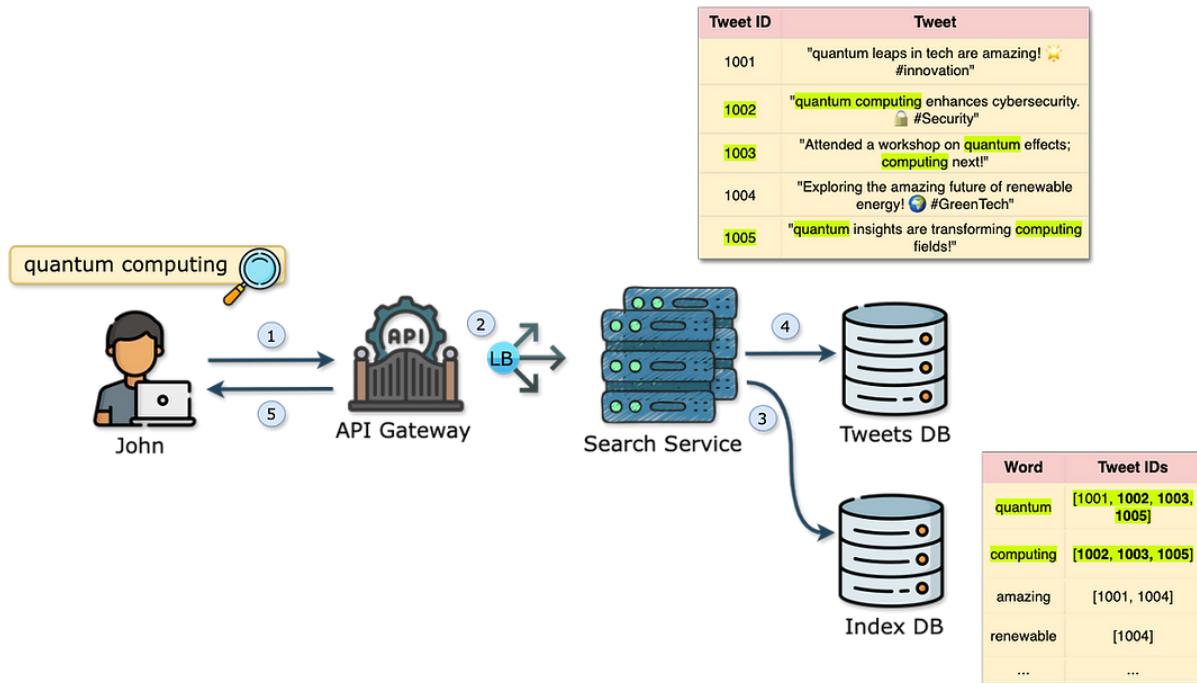
API Design- Twitter Search



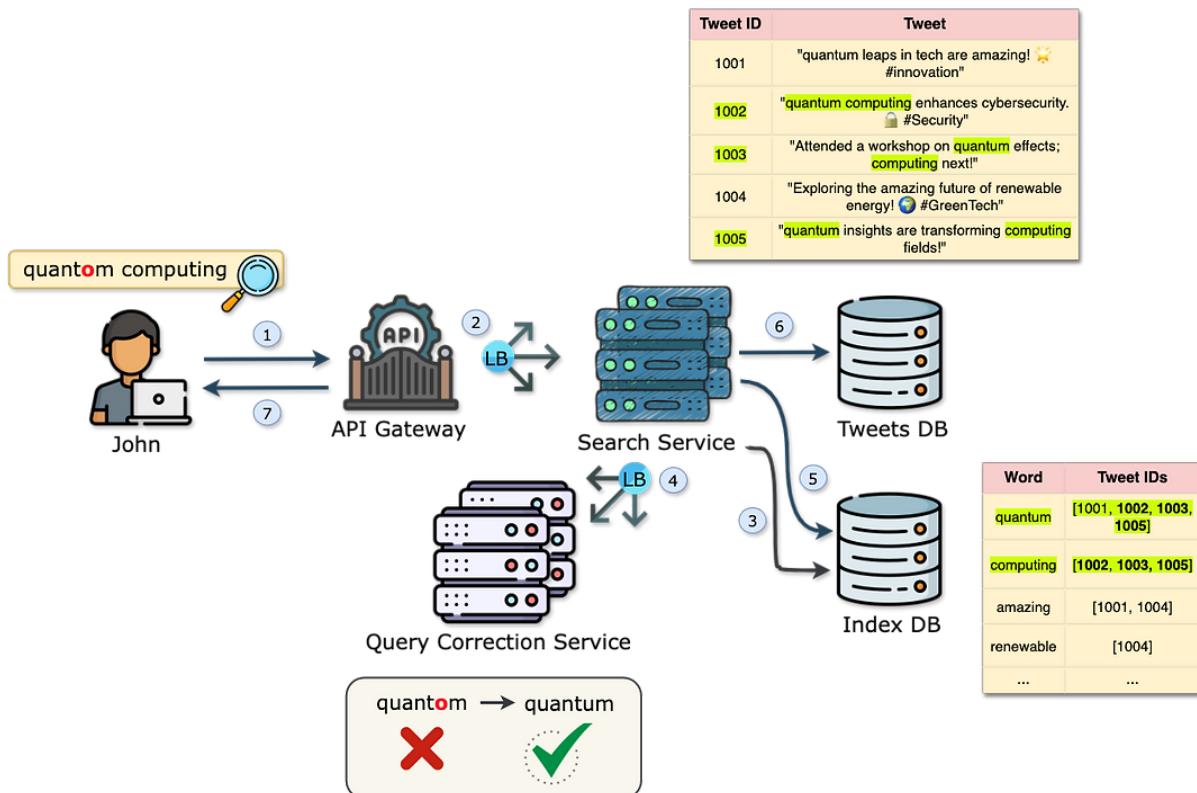
High Level Design- Twitter Search



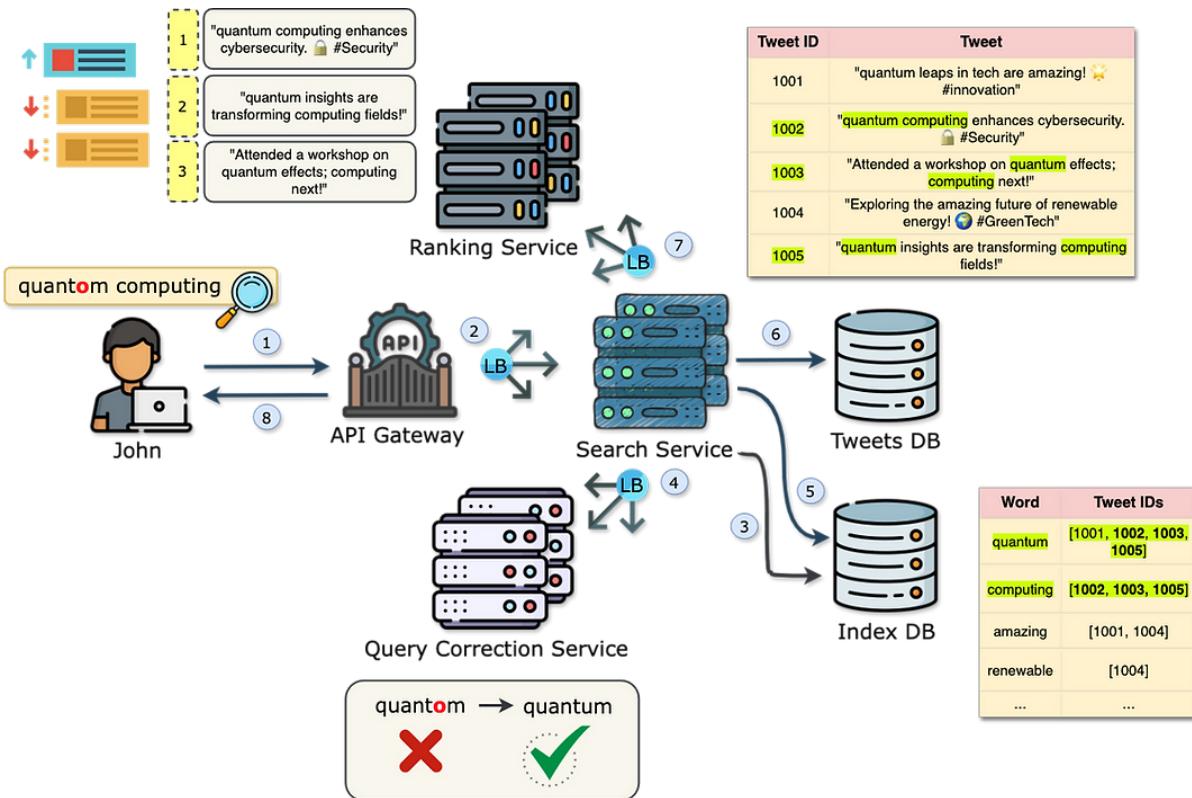
High Level Design- Twitter Search (Indexing)



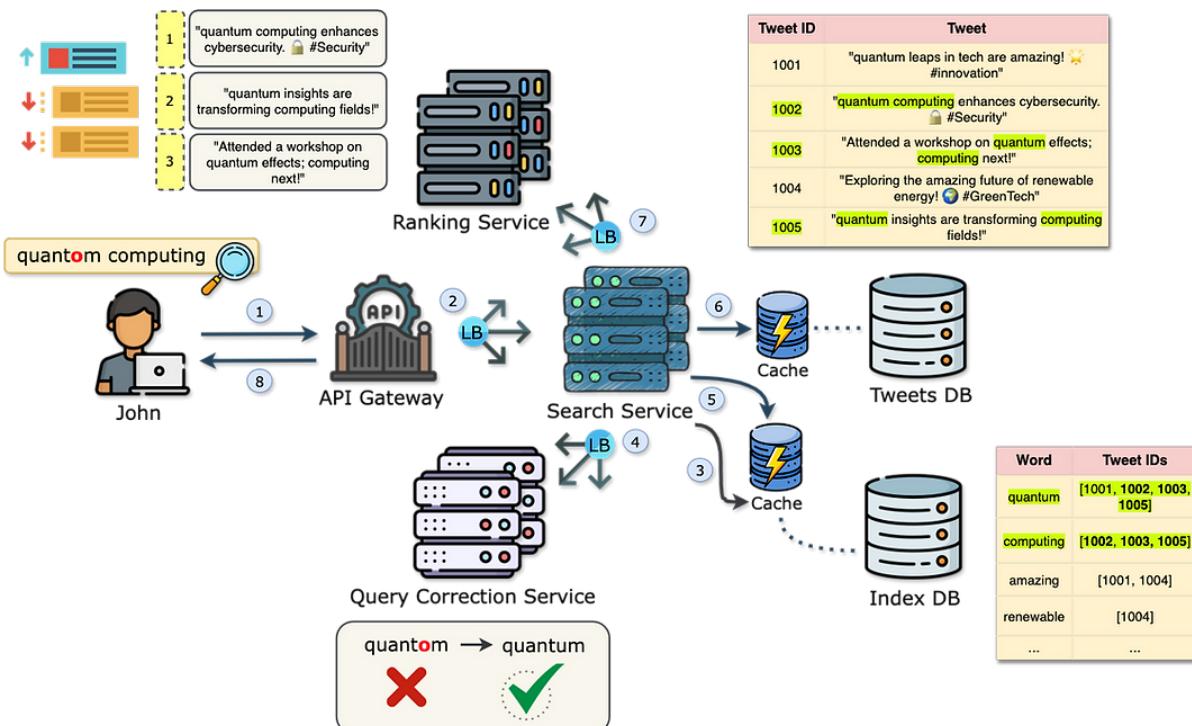
High Level Design- Twitter Search (Fuzzy Search)



High Level Design- Twitter Search (Ranking)

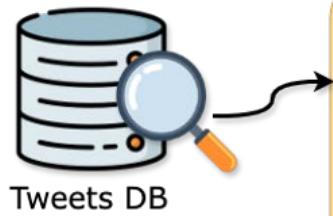


High Level Design- Twitter Search (Final Design)



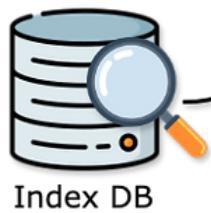
DATABSE SCHEMAS

Tweets DB Schema



```
{  
  "TweetId": "Unique identifier for each tweet",  
  "Text": "Content of the tweet",  
  "UserId": "Identifier for the user who posted the tweet",  
  "CreatedAt": "Timestamp when the tweet was created"  
}
```

Index DB Schema

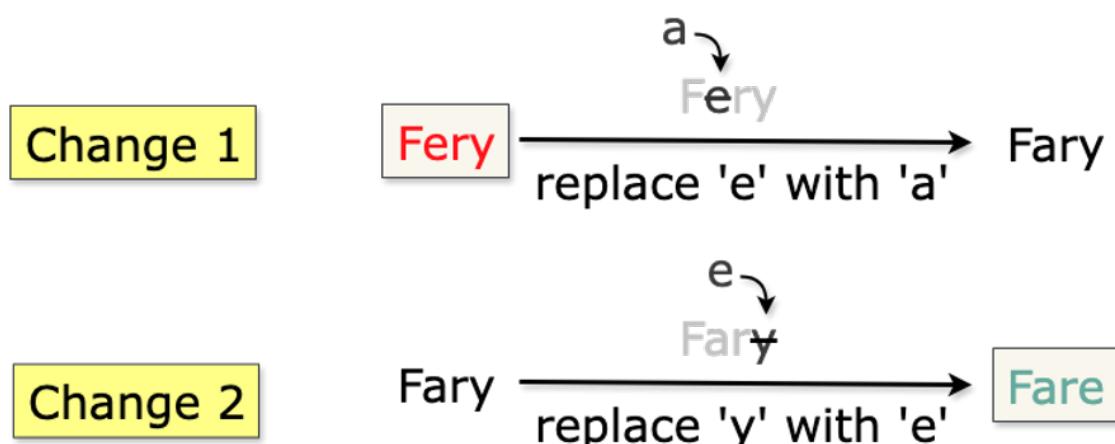


```
{  
  "Keyword": "A specific word or hashtag",  
  "TweetIds": ["List of tweet Ids having this keyword in the tweet"]  
}
```

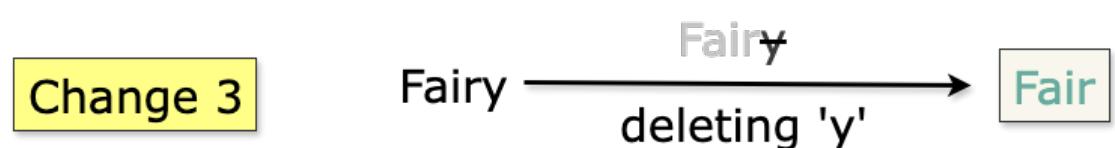
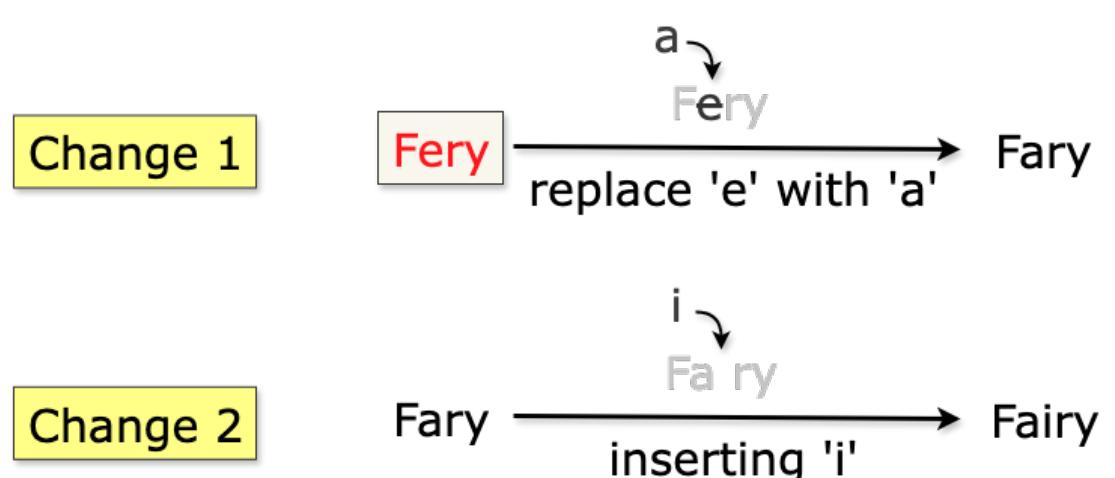
Query Correction Service (Fery to Ferry)



Query Correction Service (Fery to Fare)



Query Correction Service (Fery to Fair)



Elastic Search

