Assignment 2 – Project proposal

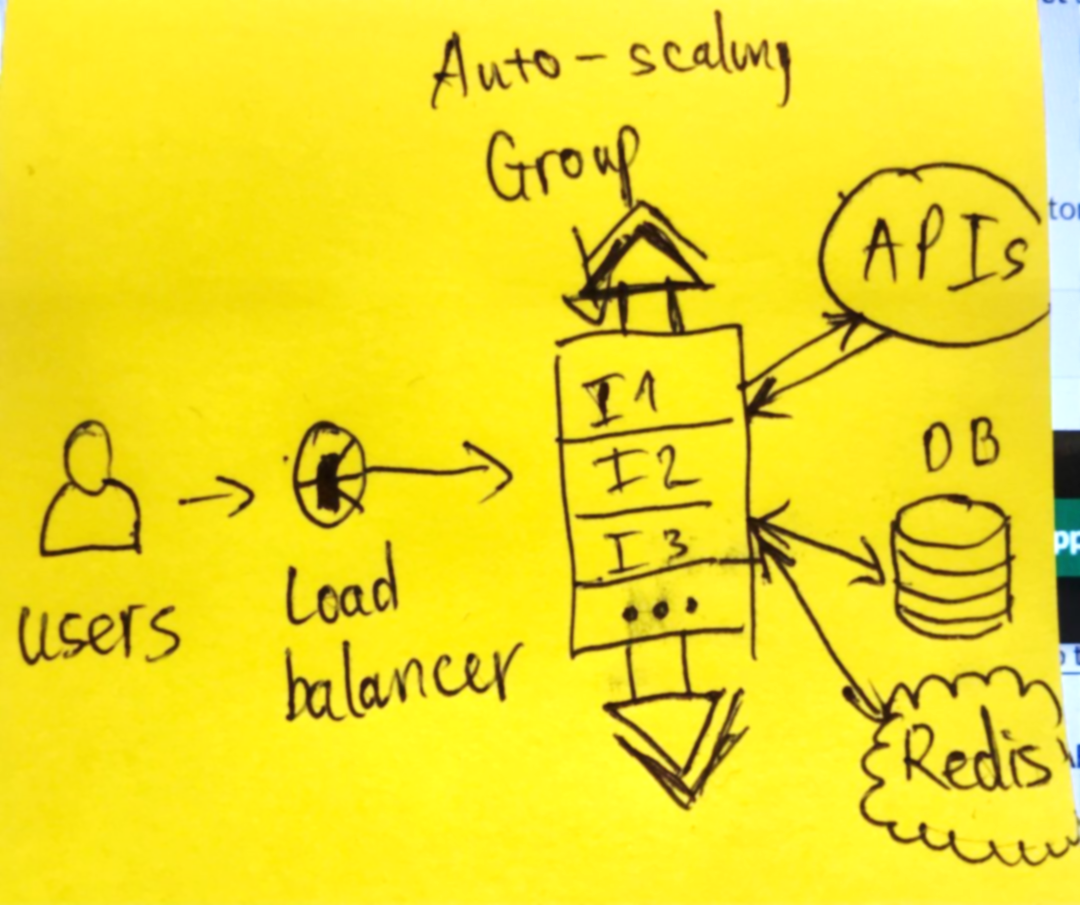
“Twitter Enalyst”

|  |
| --- |
| Tutor feedback:   * Are you using the Twitter search endpoint or the streaming endpoint or both to retrieve the tweets? This decision will impact your architecture choices * What is your proposed scaling policy? * Just doing sentimental analysis may not generate enough load. This is something that you will need to explore |

1. Description

Twitter Enalyst is an app helping user to quickly look up the trending keywords on the Internet and analyze the sentiment level of a keyword that users choose.

2. Architecture diagram



- DynamoDB: store ???

- redis: store ???

3. Phases of implementation

App features -> Storage (Database + Redis) -> scaling

4. Persitence choices, scaling metrics, application threshold

5. Use cases

User story 1

|  |  |
| --- | --- |
| As a | User |
| I want | see what keywords are trending right now in Australia or worldwide on google search engine |
| So that | I can catch up with the trending news/events |

User story 2

|  |  |
| --- | --- |
| As a | User |
| I want | To search for a keyword of my choice |
| So that | The app can return the sentiment score of the word |

User story 3

|  |  |
| --- | --- |
| As a | User |
| I want | The app to return the sentiment score of the keyword I input based on Twitter posts |
| So that | I know people are showing positive or negative expression about that keyword |

6. APIs

Google Trends API – User story 1

<https://www.npmjs.com/package/google-trends-api>

Twitter API – User story 2

<https://developer.twitter.com/en/docs/twitter-api/early-access>

Sentatment – User story 3

<https://www.npmjs.com/package/sentiment>