bareksa

Test Duration

3 days

Objective

To understand candidate's technical competencies, which includes but not limited to:

- ❏ Git understanding
- ❏ NodeJS framework
- ❏ Code reusability
- ❏ Clean code
- ❏ Unit test
- ❏ Reducing network call within service and database
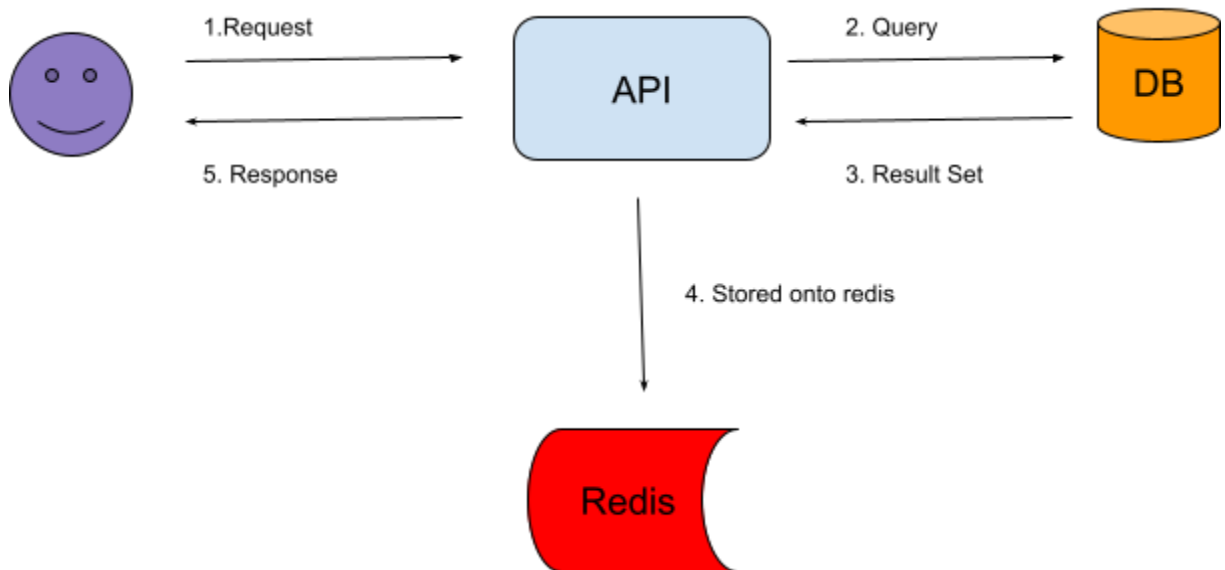
Requirements

- ❏ Candidate shall create a project using NodeJS framework and push it to a github repository
- ❏ Create a REST API with domain driven approach
- ❏ Create a service using any SQL / NoSQL storage with your own data model
- ❏ Create an API functional test (unit test) to ensure the feature is working. Develop the task with the mindset that it must be ready for production
- ❏ List, add, update and remove items (CRUD).

Case Study

- ❏ **News** and **Topic** management
- ❏ CRUD on **News** and **Tags**
- ❏ One news can contains multiple tags e.g. "Safe investment" might contains tags "investment", "mutual fund", etc
- ❏ One topic has multiple news e.g. "investment" topic might contains "how to start investment", "mutual fund is safe investment type", etc
- ❏ Enable filter by news status ("draft", "deleted", "publish")
- ❏ Enable filter news by its topics

❏ At the first request API call from the client, the service should get data from the database and stored onto redis.

1.Request

5. Response

API

2. Query

3. Result Set

DB

4. Stored onto redis

Redis

❏ While the second request API call, the service should get data only from redis.

1.Request

4. Response

API

DB

3. Retuned data

2. GetCache

Redis