Design a Url Shortening Service like TinyURL

TOPIC :
1. API
2. Application Layer
3. Persistence Layer

API

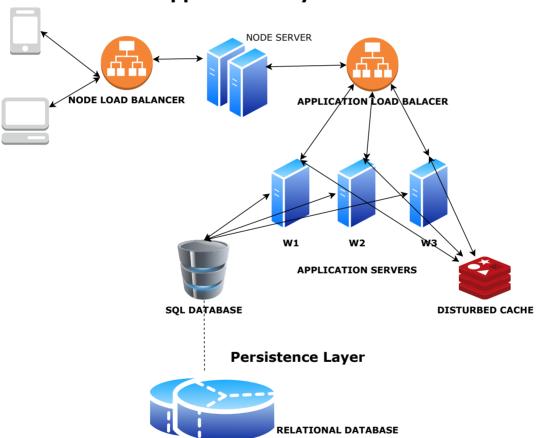1.**Write Request:**

Create Shortest Url

2. Get Request:

Get Long Url

Application Layer

NODE SERVER

NODE LOAD BALANCER

APPLICATION LOAD BALACER

W1   W2   W3

APPLICATION SERVERS

SQL DATABASE

DISTURBED CACHE

Persistence Layer

RELATIONAL DATABASE