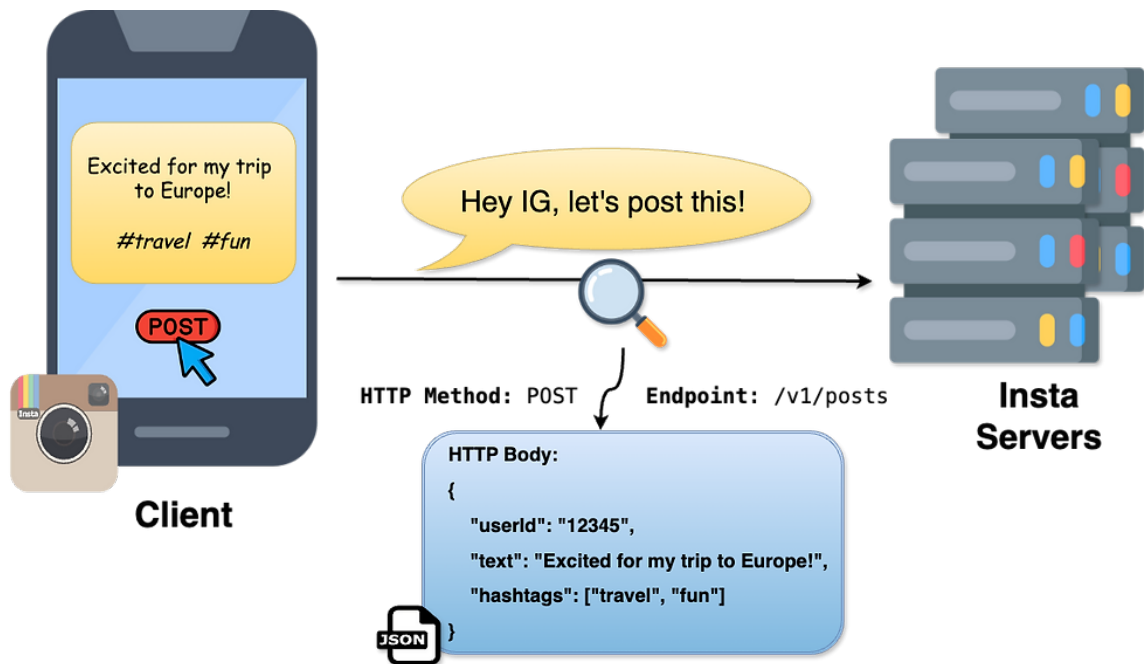
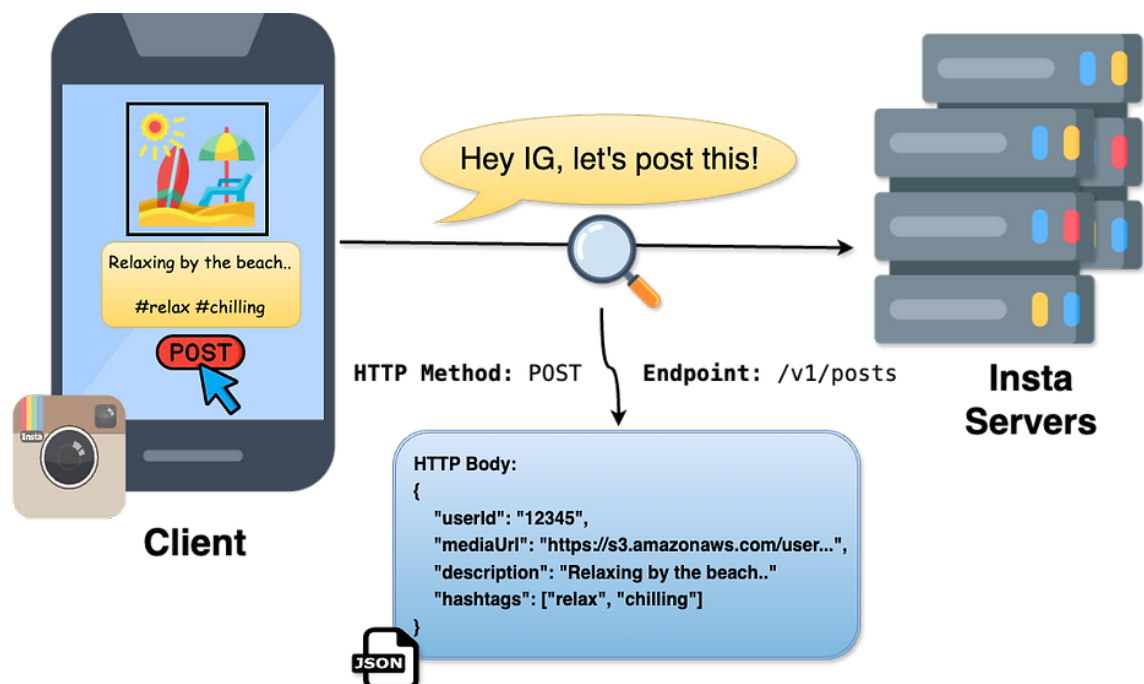


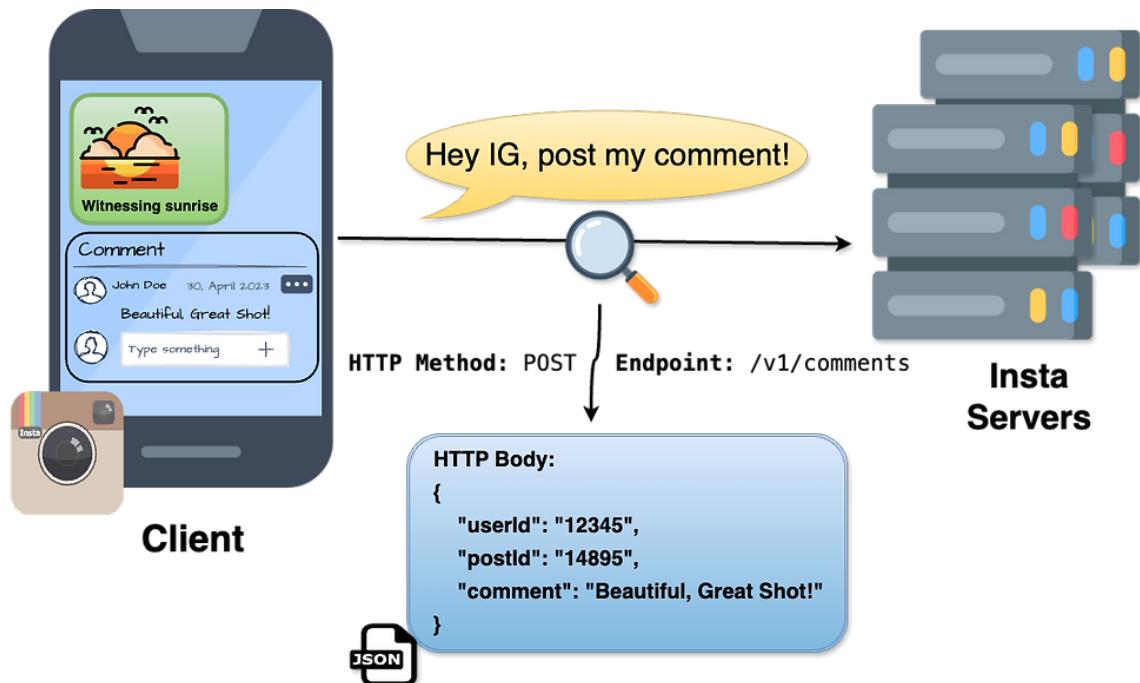
## API Design-Create a Text Post



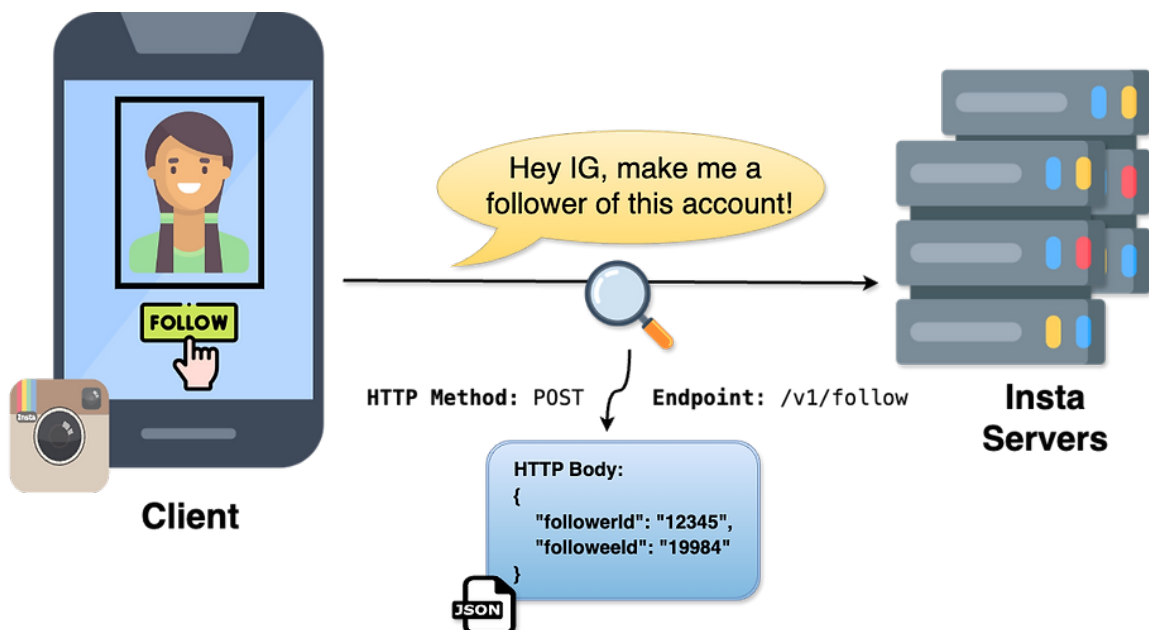
## API Design-Create Image/ Video Post



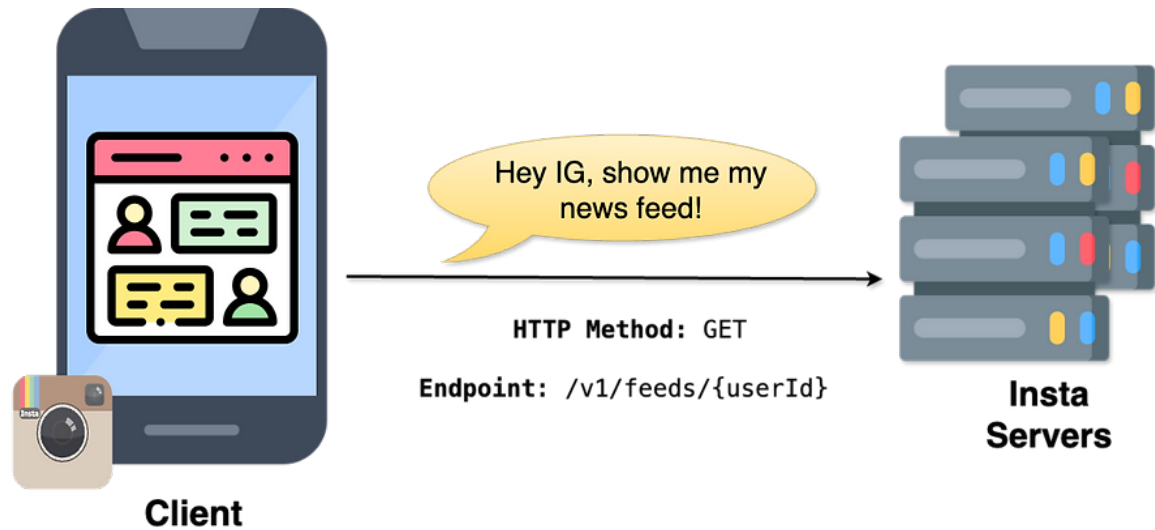
## API Design-Like /Comment a Post



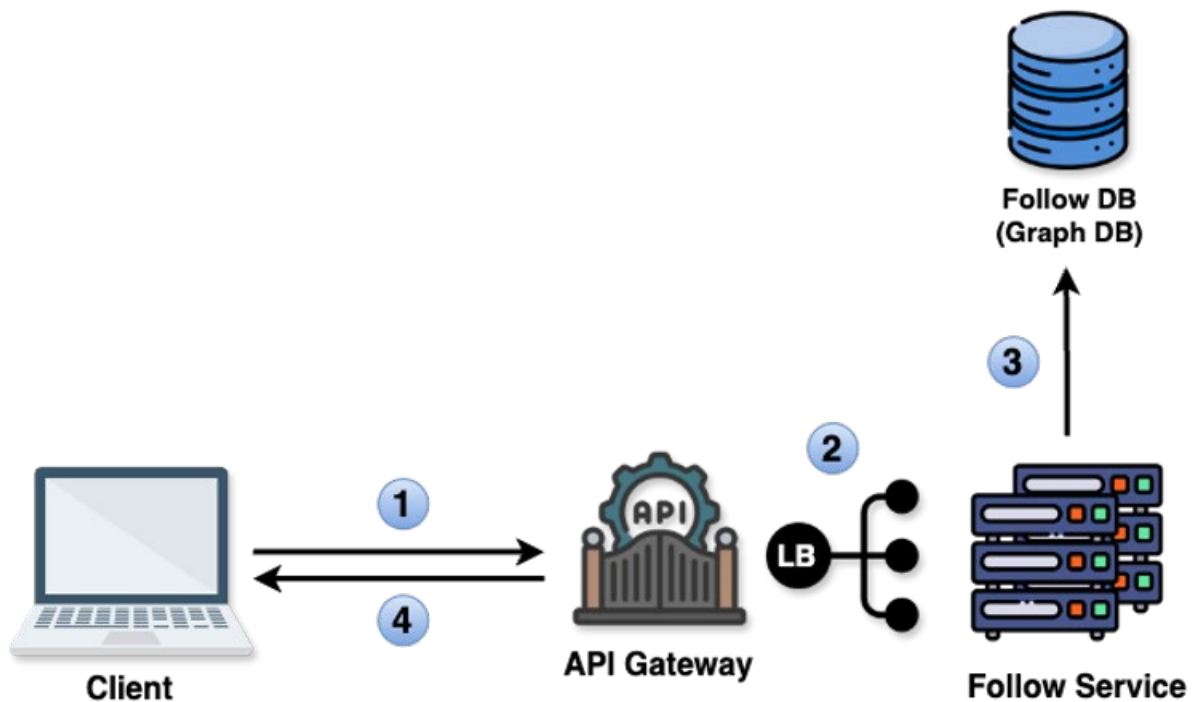
## API Design-Follow / Unfollow another User



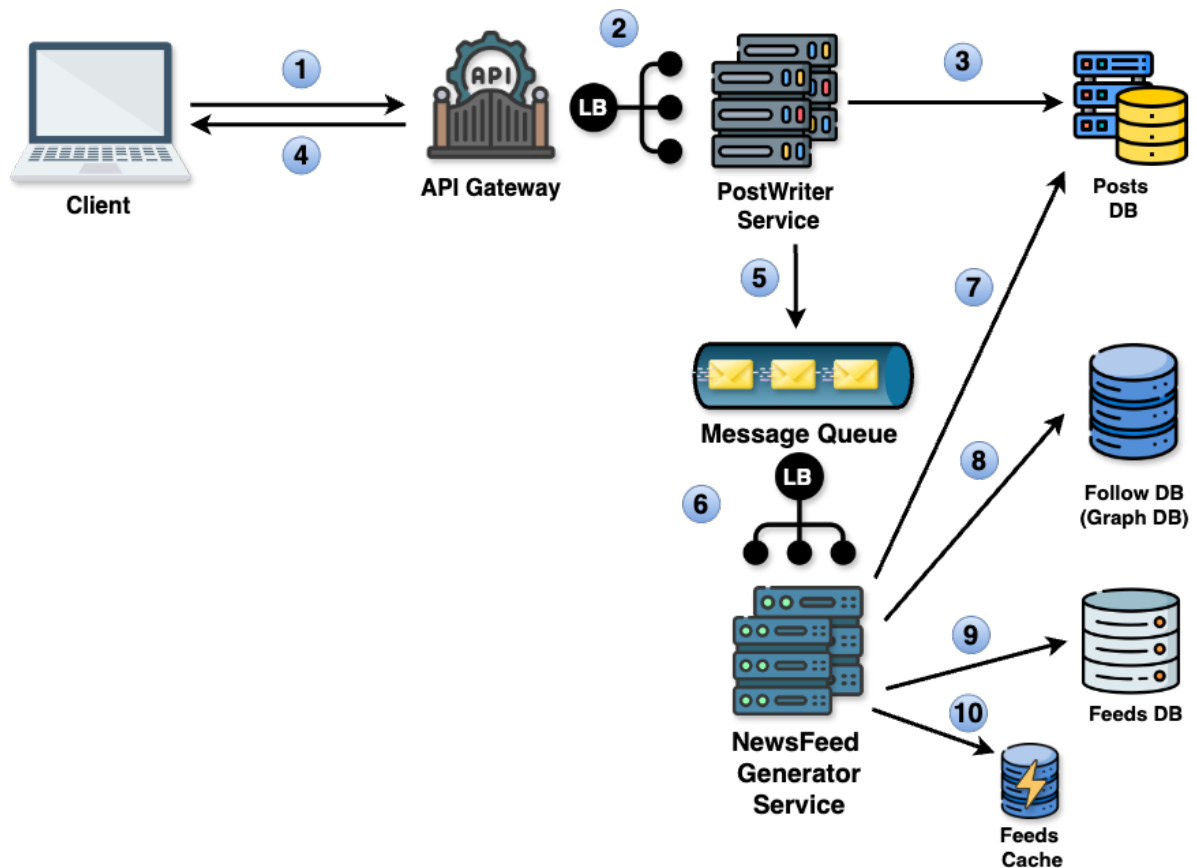
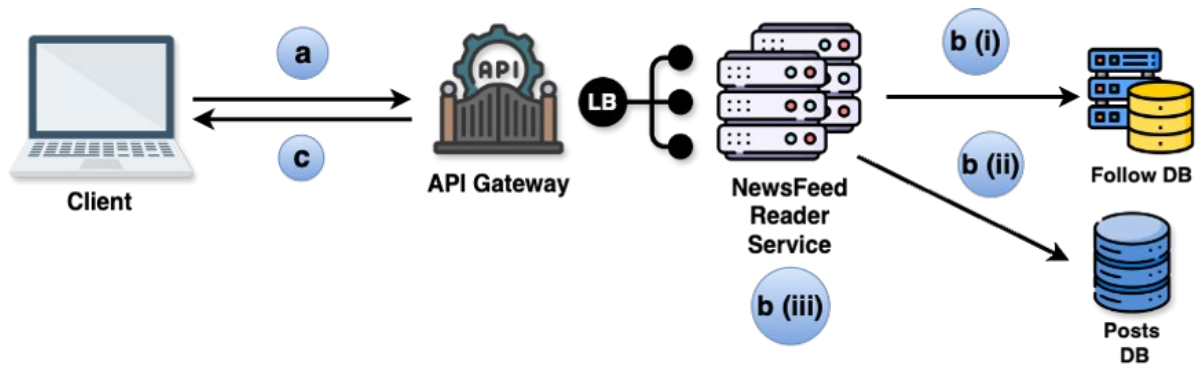
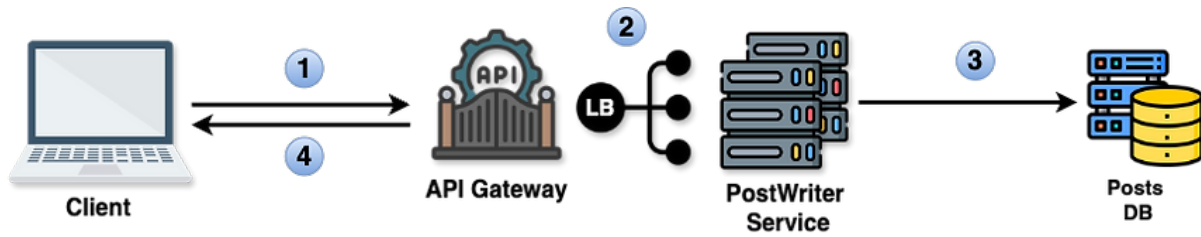
## API Design-Read the Newsfeed (aka Timeline)



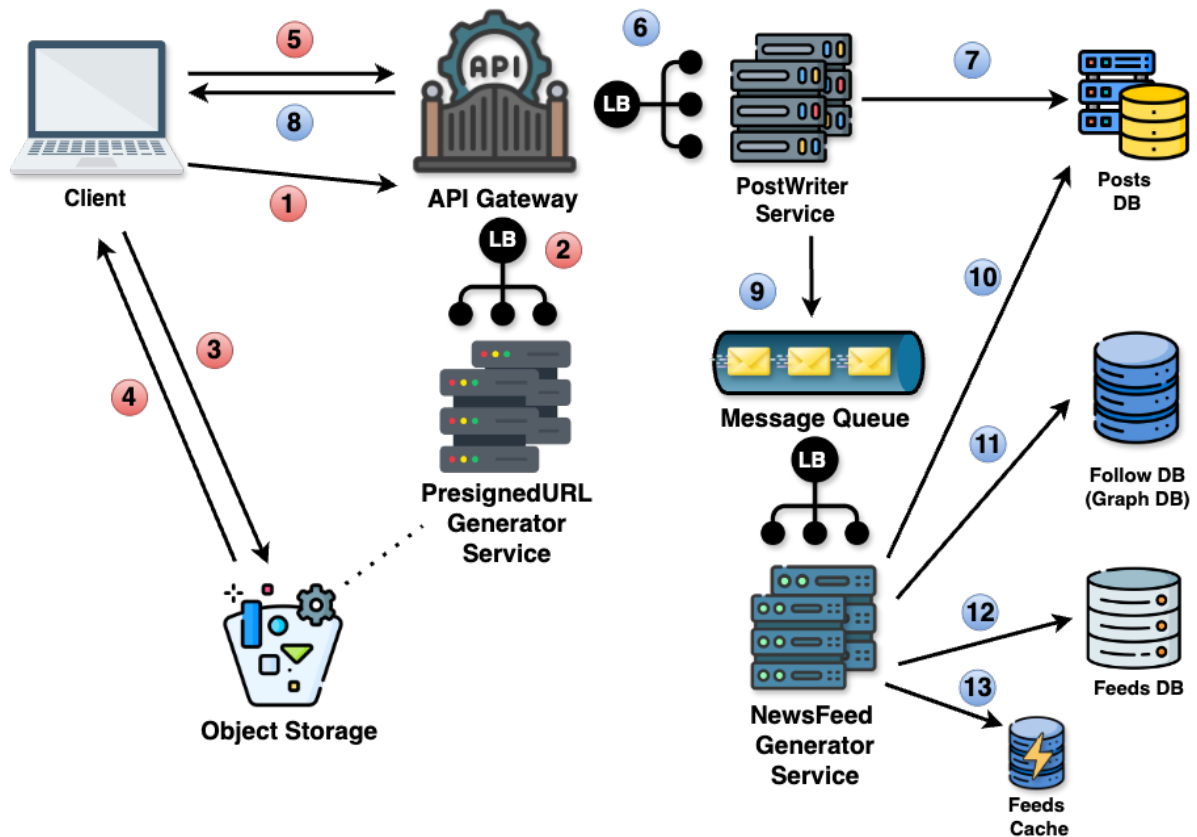
## High level Design- Follow / Unfollow another User



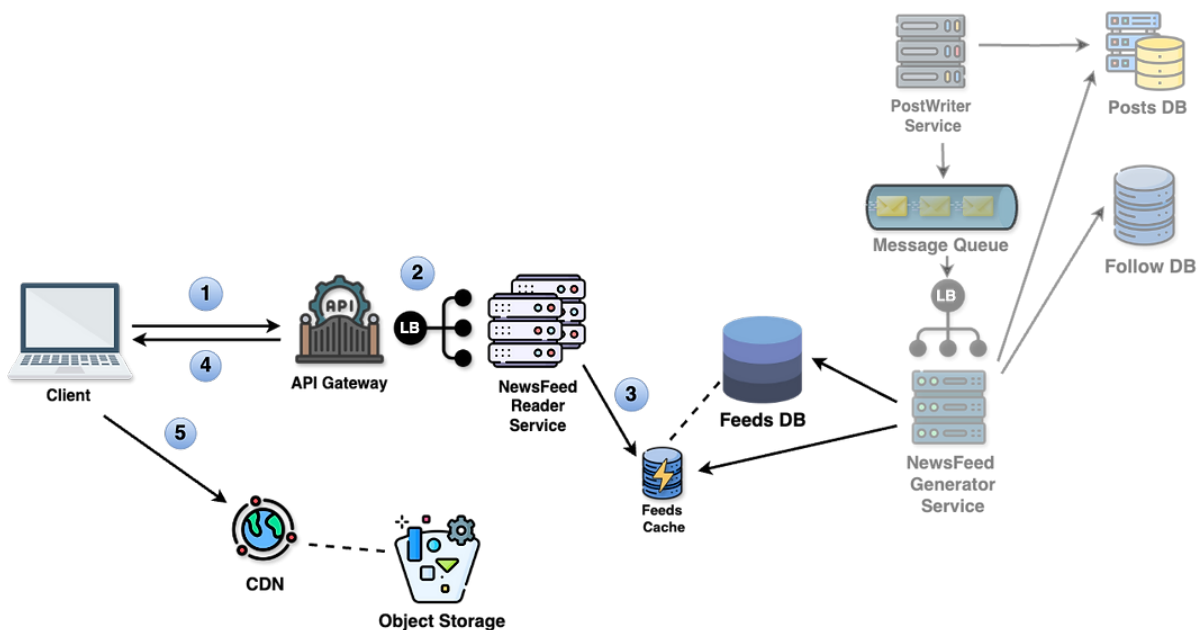
## High level Design- Create Text Post



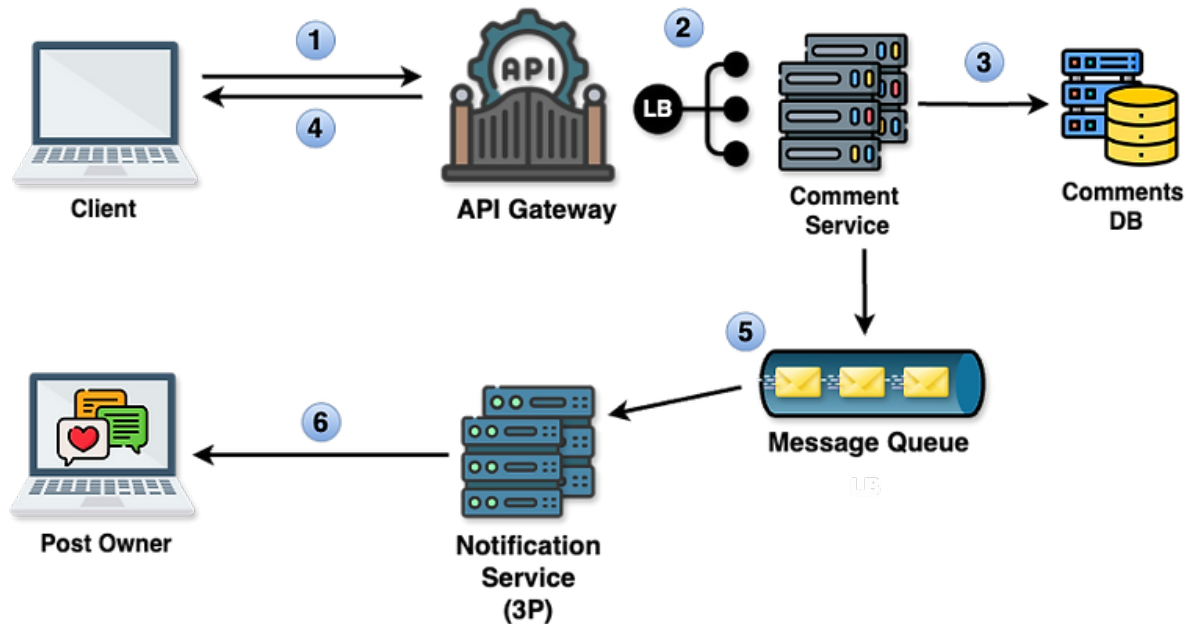
## High level Design- Create Image/Video Post



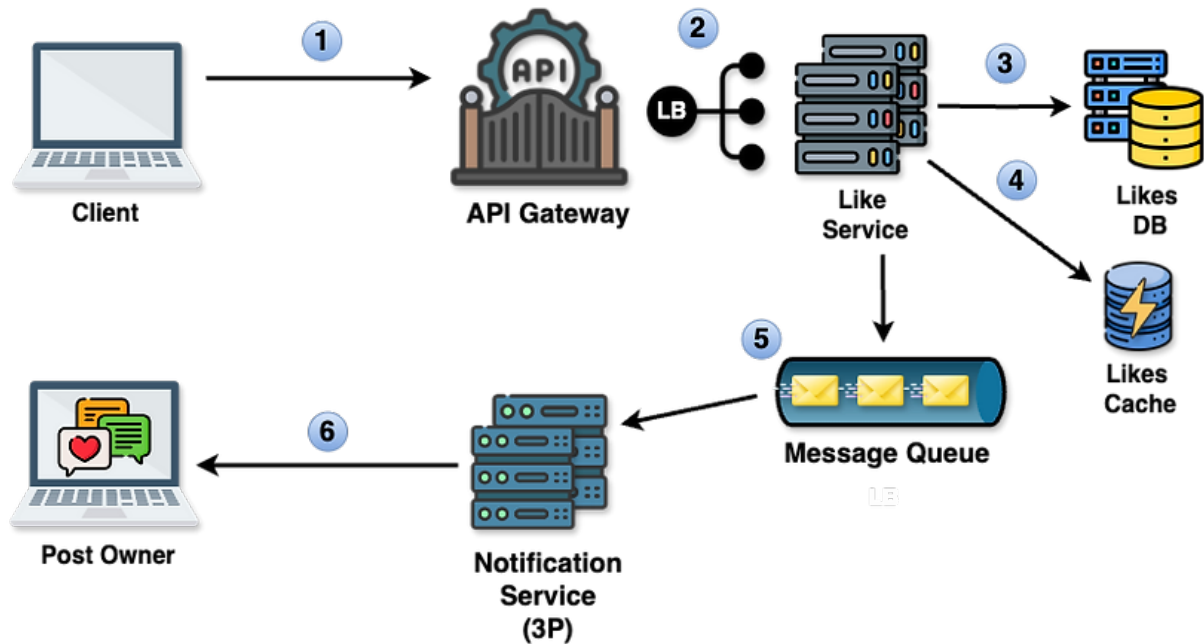
## High level Design- Read the Newsfeed (aka timeline)

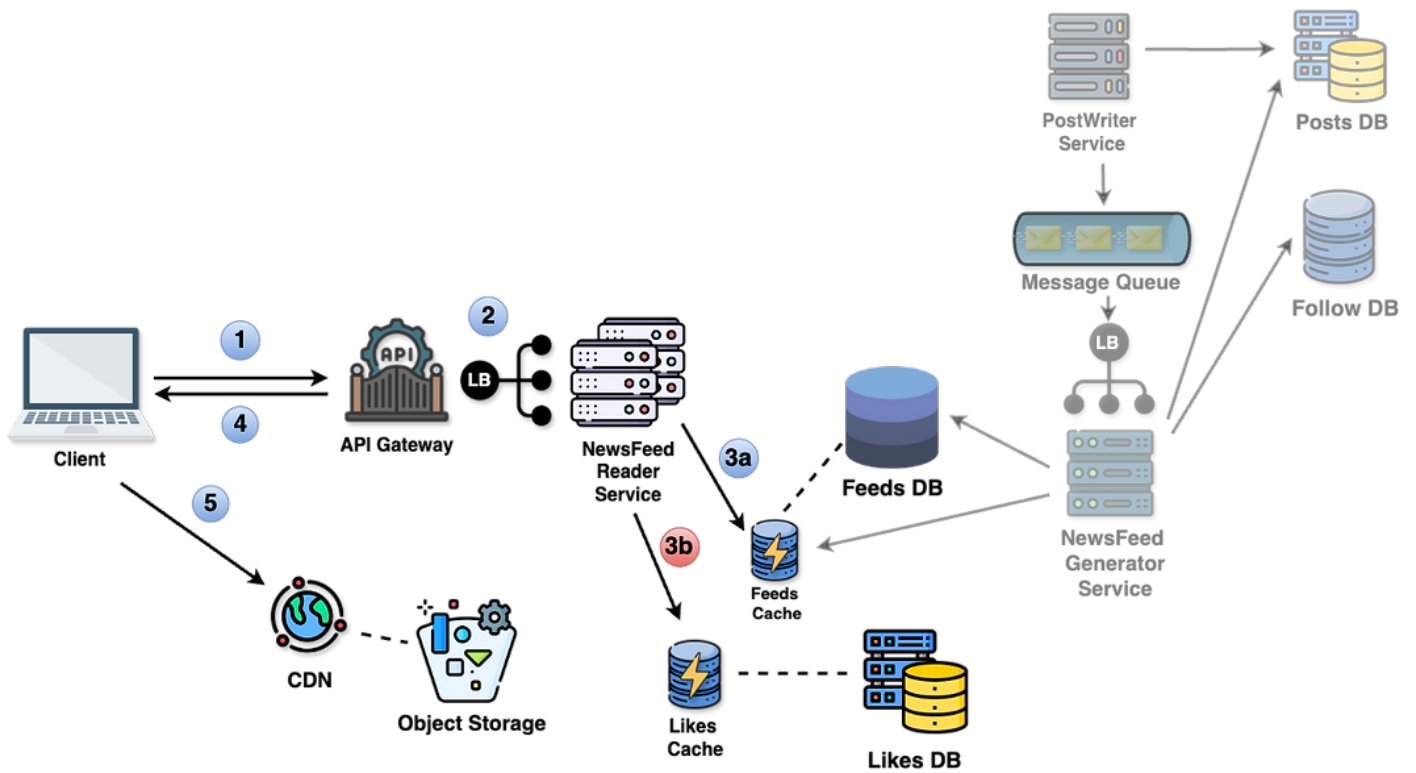


## High level Design-Comment on a Post

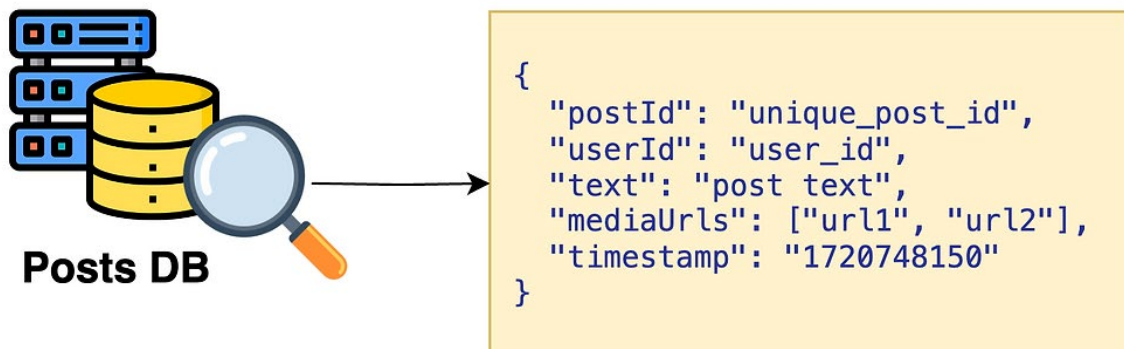


## High level Design-Like on a Post

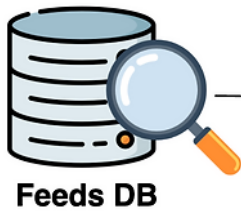




## Posts Schema

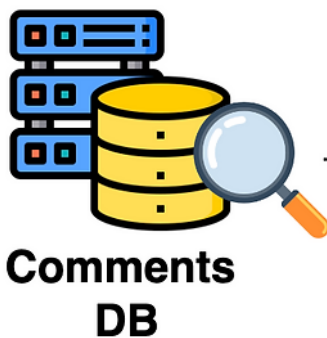


## Feeds Schema



```
{
  "userId": "unique_user_id",
  "feedItems": [
    {
      "postId": "13452",
      "userId": "84231",
      "text": "sample post text 1",
      "timestamp": "1720748111"
    },
    {
      "postId": "86475",
      "userId": "12394",
      "text": "sample post text 2",
      "mediaUrls": ["url1", "url2", ...]
      "timestamp": "1720713459"
    }
    // More posts...
  ]
}
```

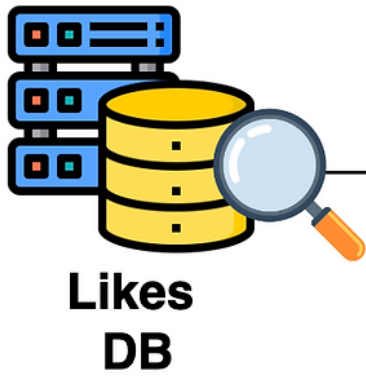
## Comments Schema



```
{
  "commentId": "unique_comment_id",
  "userId": "user_id",
  "postId": "post_id",
  "comment": "comment text",
  "timestamp": "1720748150"
}
```

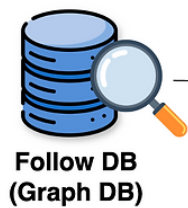


## Likes Schema

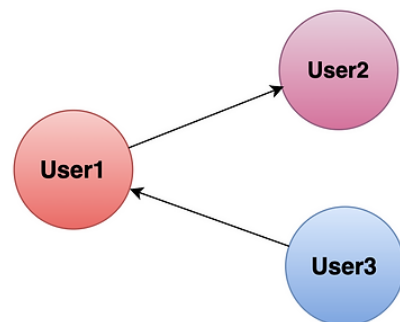


```
{
  "likeId": "unique_like_id",
  "userId": "user_id",
  "postId": "post_id",
  "timestamp": "1720741345"
}
```

## Follow Schema



```
{
  "userId": "<user1_id>",
  "followers": [
    {
      "followerId": "<user2_id>",
      "timestamp": "1720748150"
    },
    // More followers...
  ],
  "followees": [
    {
      "followeeId": "<user3_id>",
      "timestamp": "1720748150"
    },
    // More followees...
  ]
}
```



# Media Processing

