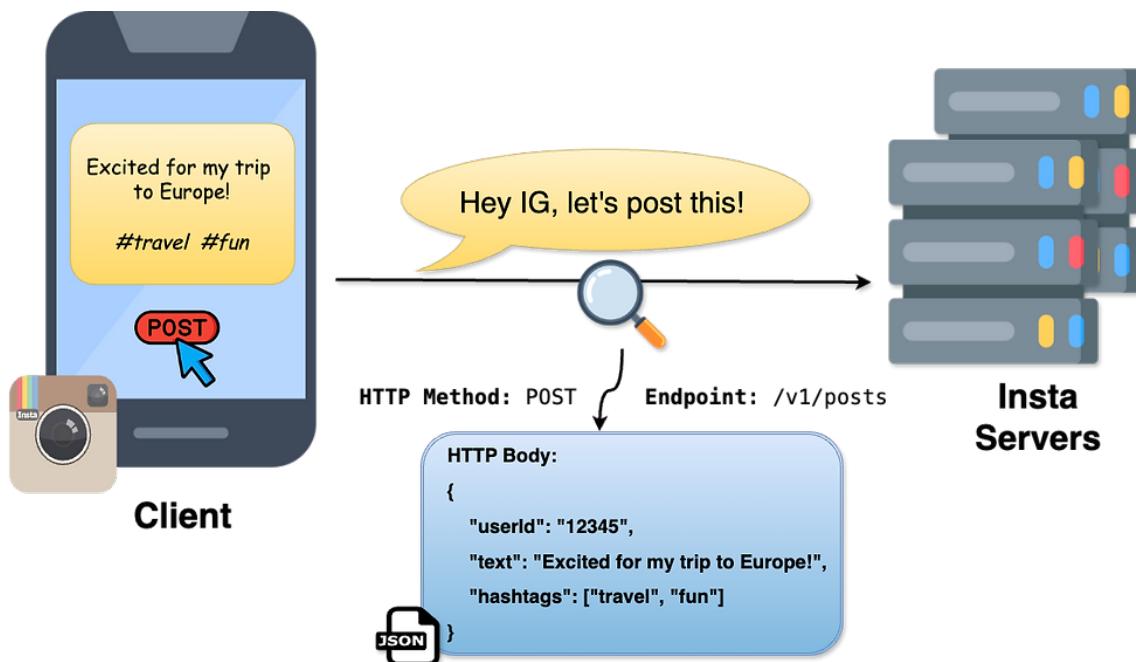
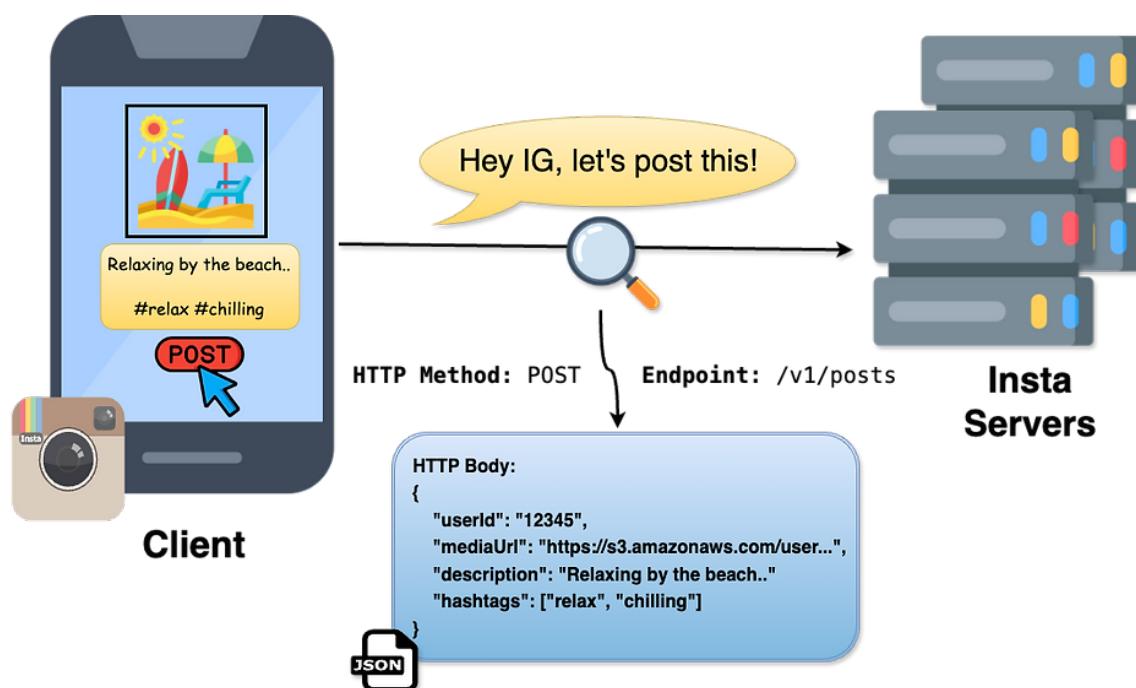


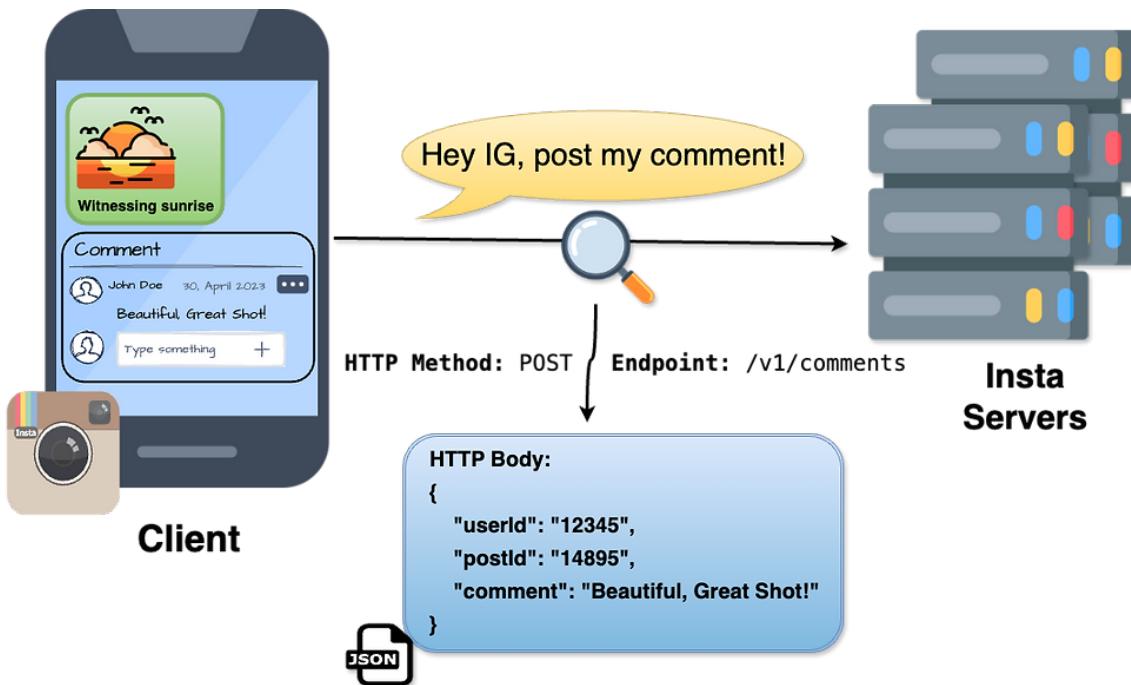
API Design-Create a Text Post



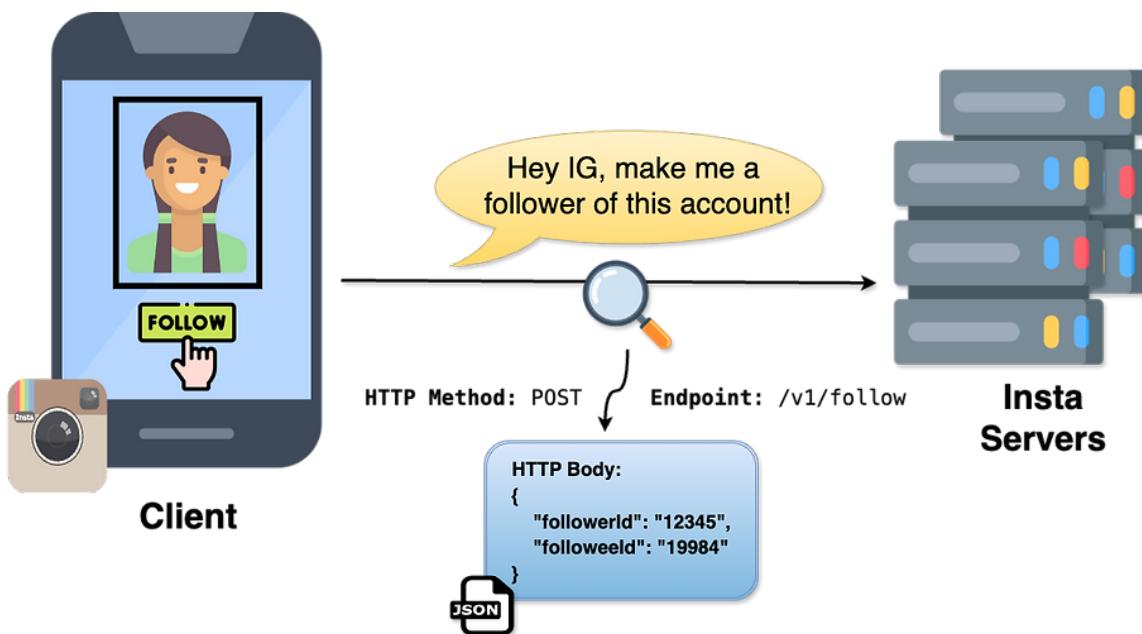
API Design-Create Image/ Video Post



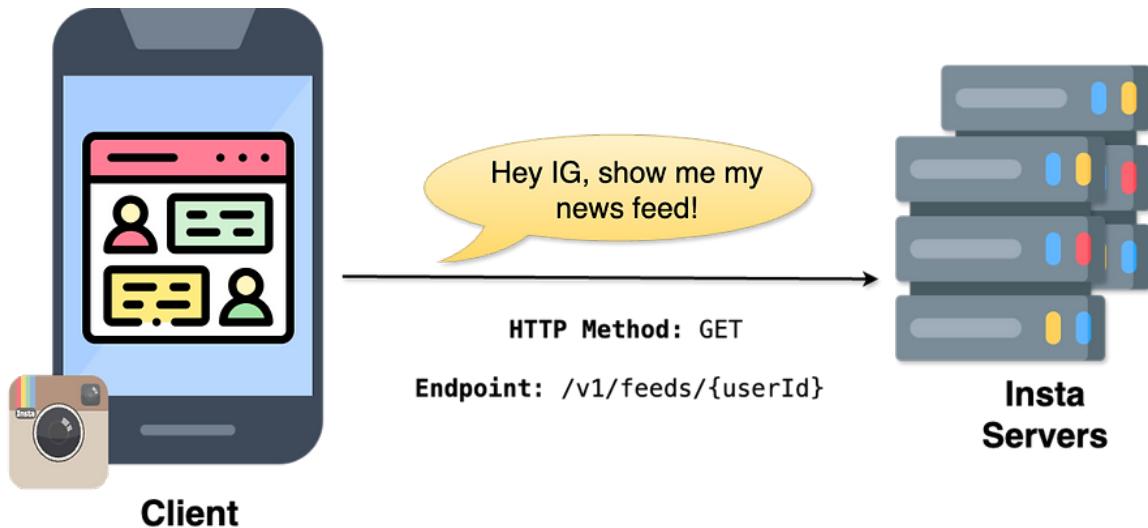
API Design-Like /Comment a Post



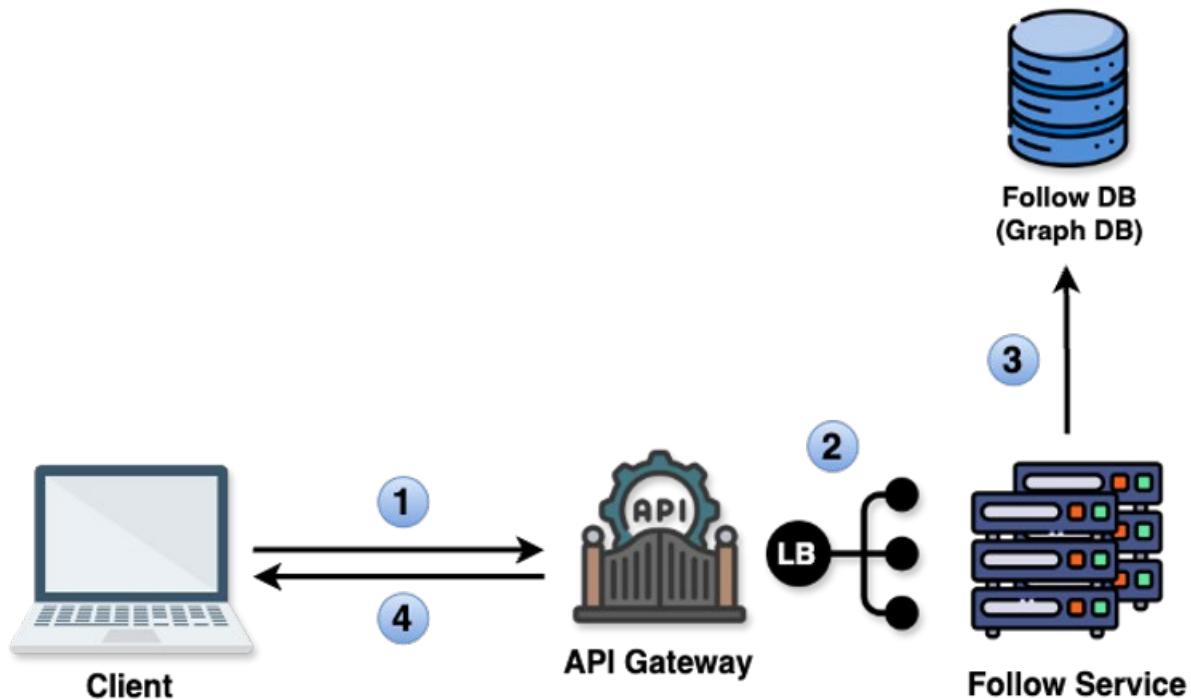
API Design-Follow / Unfollow another User



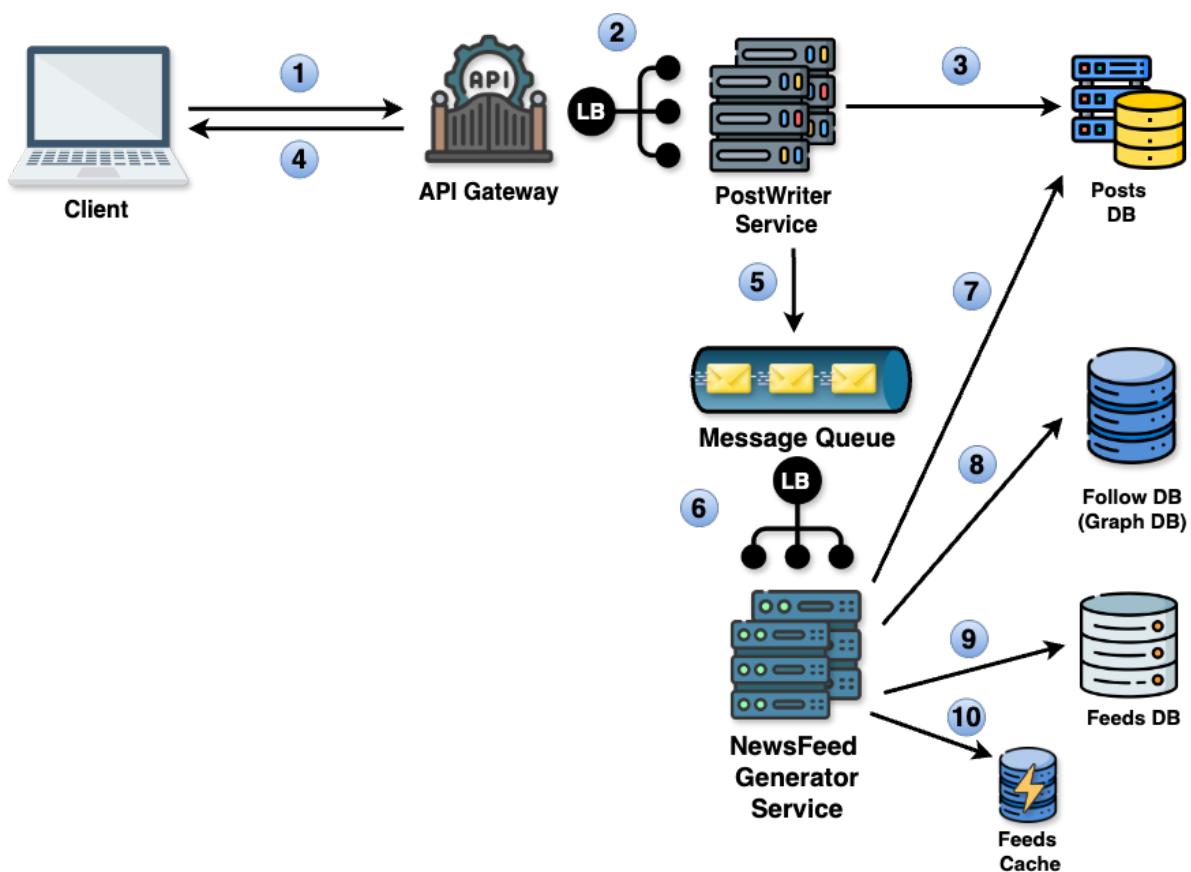
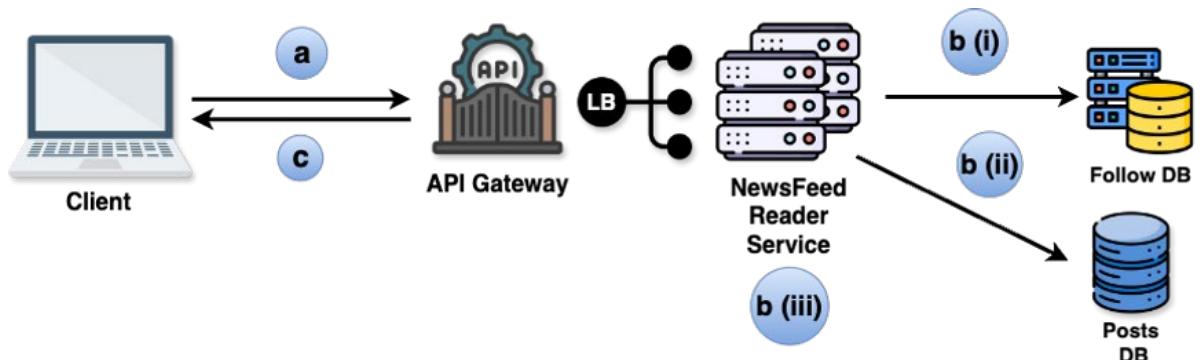
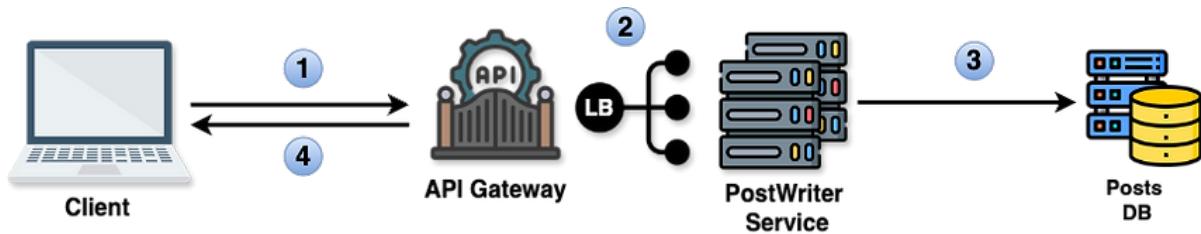
API Design-Read the Newsfeed (aka Timeline)



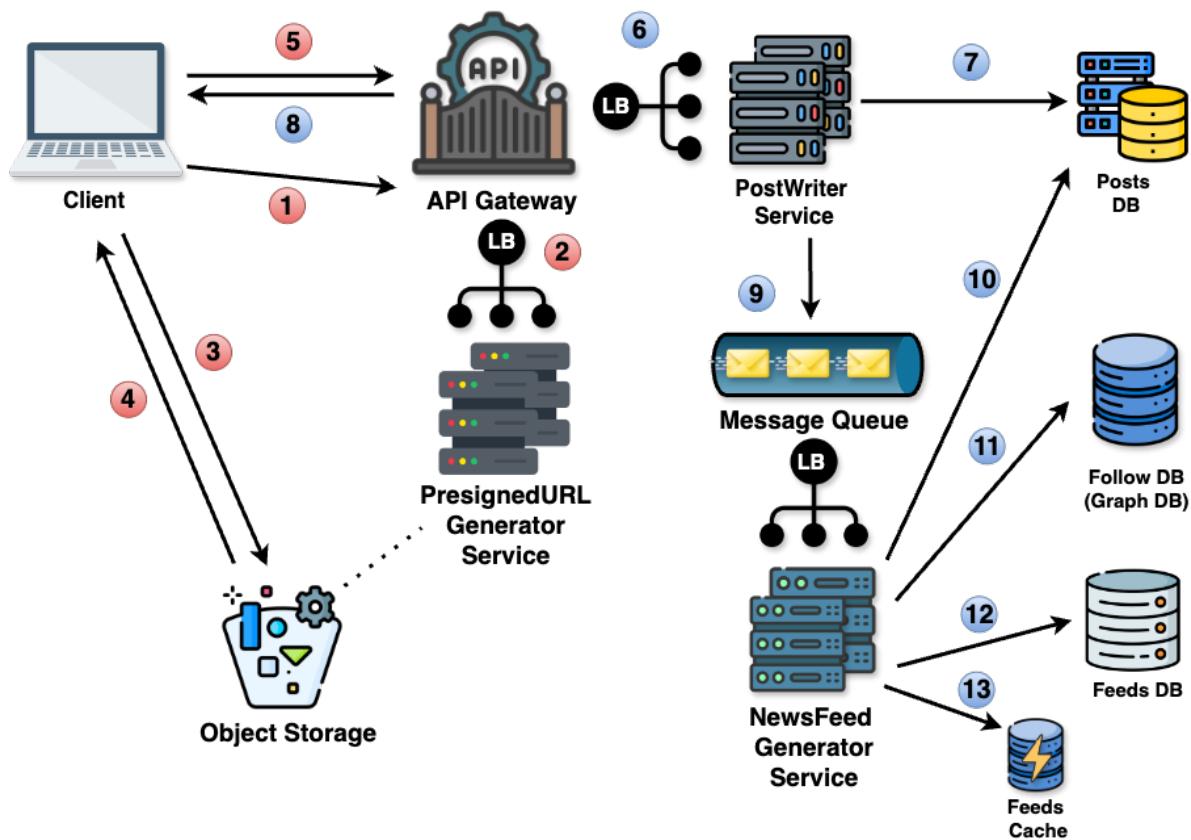
High level Design- Follow / Unfollow another User



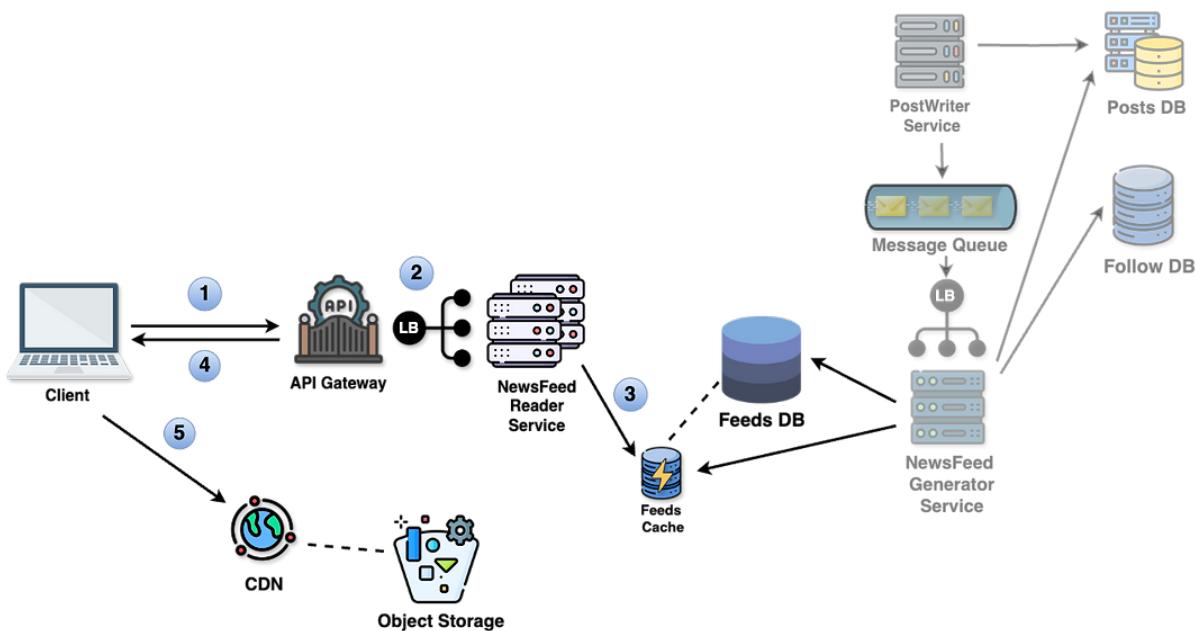
High level Design- Create Text Post



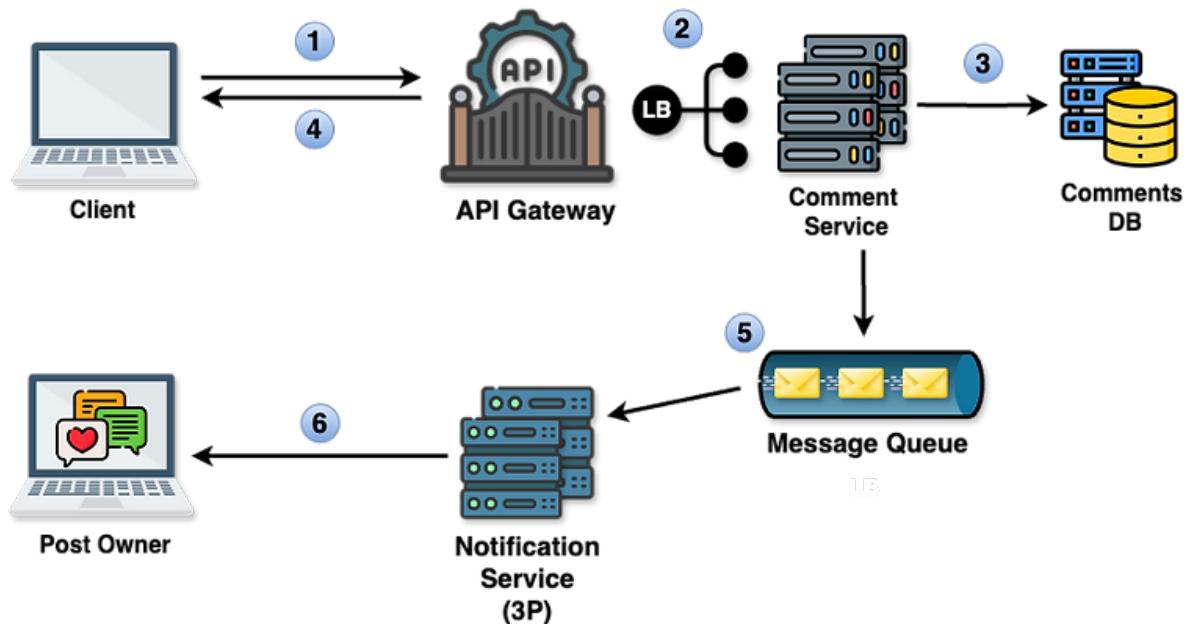
High level Design- Create Image/Video Post



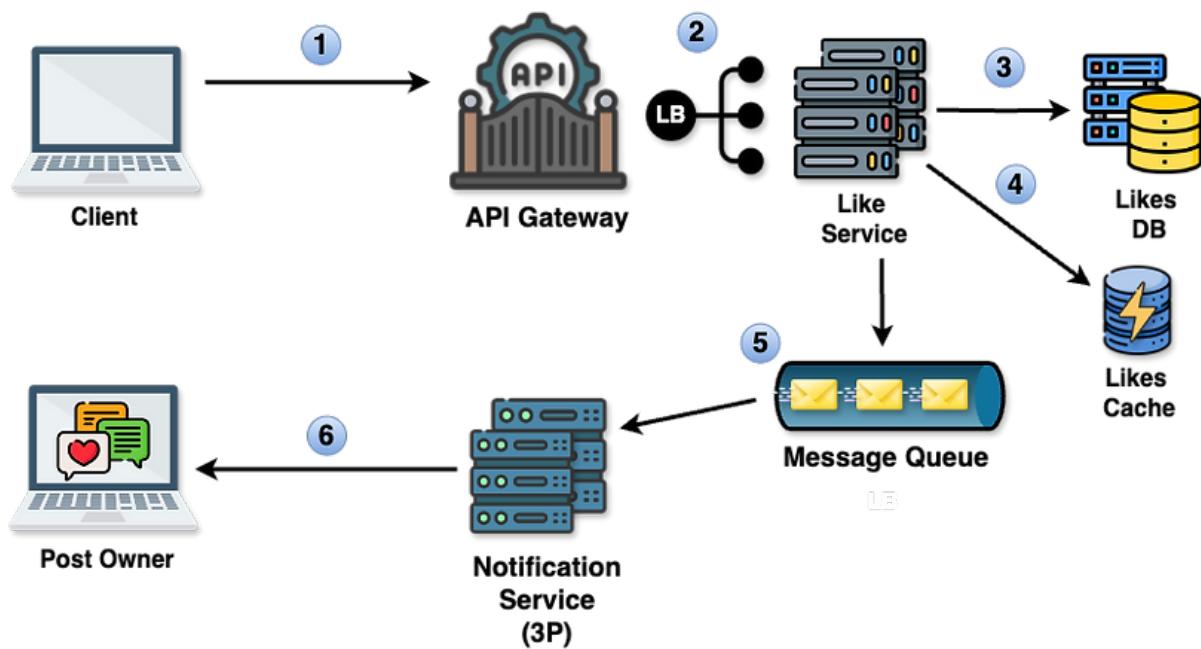
High level Design- Read the Newsfeed (aka timeline)

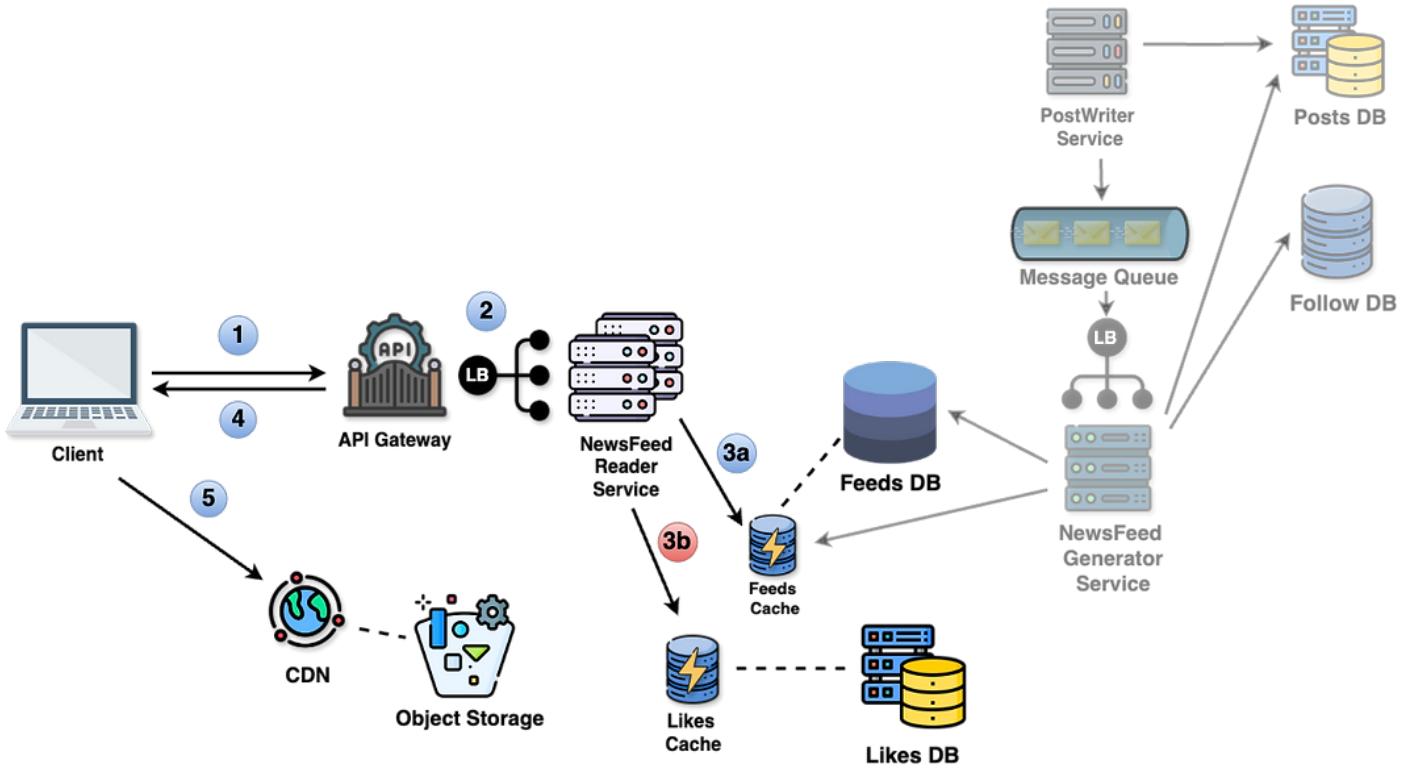


High level Design-Comment on a Post

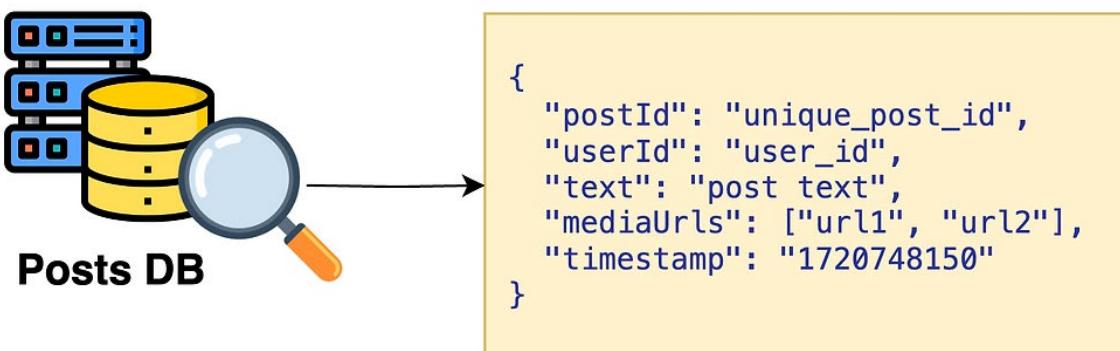


High level Design-Like on a Post

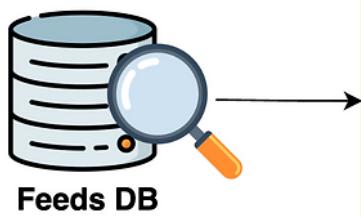




Posts Schema

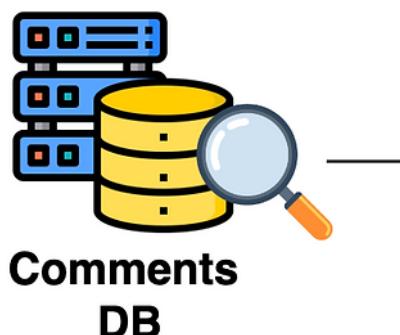


Feeds Schema



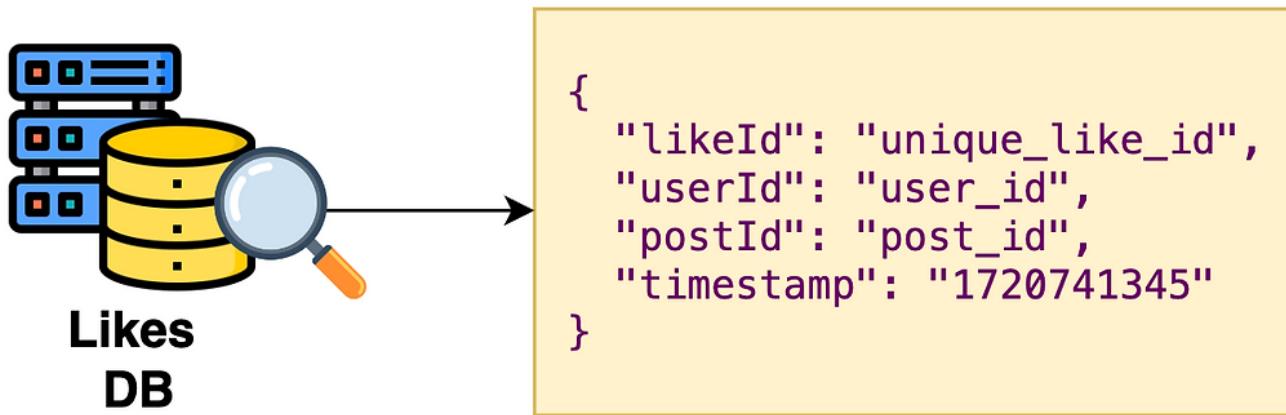
```
{  
  "userId": "unique_user_id",  
  "feedItems": [  
    {  
      "postId": "13452",  
      "userId": "84231",  
      "text": "sample post text 1",  
      "timestamp": "1720748111"  
    },  
    {  
      "postId": "86475",  
      "userId": "12394",  
      "text": "sample post text 2", 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

Comments Schema

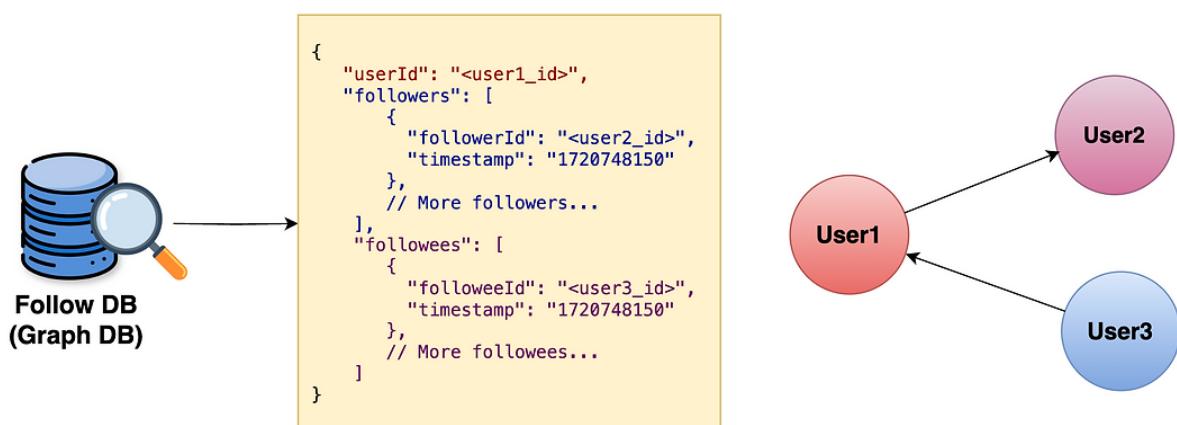


```
{  
  "commentId": "unique_comment_id",  
  "userId": "user_id",  
  "postId": "post_id",  
  "comment": "comment text",  
  "timestamp": "1720748150"  
}
```

Likes Schema



Follow Schema



Media Processing

