

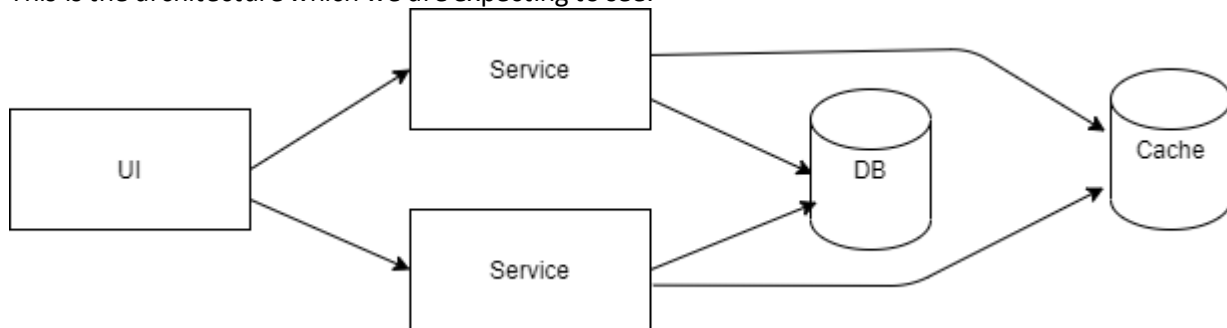
Full stack Assessment

Problem Statement

Build a movie search screen which will have the following functionality:

1. Search by title
2. Search by actor
3. Search by other attributes.

This is the architecture which we are expecting to see.



Design Parameters

1. Use Angular / ReactJS for frontend page (only 1 page is needed).
2. Use Java / C# for backend development.
3. UI and Service integration should be done via REST.
4. Use any SQL / NoSQL database.
5. Use external caching to cache searches done.
6. Excess search on a movie should not overload the DB. Cache should take care of hot searches.
7. UI should talk to multi instance of services without hardcoding their location.
8. Services can be scaled up and down and traffic should be sent to all instances.

Assessment Criteria

The candidate will be assessed based on the following parameters:

1. Code quality
2. Unit testing
3. Documentation
4. Clarity of thought behind design choice.
5. Communication and Attitude