



Assignments

Problem Statement: Build a simple KV (key-value) store web service with a subscription feature. As a user, I should be able to perform set(key, val) and get(key) operations over HTTP and also subscribe to changes happening to any of the keys.

Deliverables:

1. Server-side implementation of the web service in the language of your choice
2. A CLI client which consumes the web service supporting following commands
 - a. get <key>: displays the value of an existing key
 - b. put <key> <value>: sets the value of the given key
 - c. **(optional)** watch: runs in an infinite loop and displays the changes to KV as they happen
3. The code should be committed to a repo on Github.
4. Server-side setup should be done using Docker.
5. The repo should contain a README describing at least how to set up and run the project.
6. The code should be readable and organized. If there are multiple files and directories consider describing them in the README.

Bonus for doing the **(optional)**.