

Tech Check:

The overall goal is to create a backend service and a web client. The backend service shall poll current weather information from a free web service (e.g. <https://openweathermap.org/current>) for a specified city in a predefined interval. The web client shall call the backend service in order to retrieve attributes of the most recent weather dataset.

Requirements for the backend service:

- * City and polling interval shall be configurable on runtime (defaults: Berlin, 60 seconds)
- * Basic console log output shall be generated to allow state monitoring of the service
- * The service shall be designed to allow multiple clients to be connected

Requirements for the client:

- * The client shall communicate with the backend service via Webservice
- * The desired weather attribute shall be requested and shown on a web frontend.
Possible attributes: Weather situation as given by the service (e.g. sunny, rain, fog etc.), temperature, humidity
- * On startup the client shall show the currently configured city and all possible weather attributes as mentioned before
- * The client shall output the most recent available attribute value as soon as the backend service receives an updated dataset

General remarks:

- * Implement in Java
- * Use additional frameworks and libraries at your convenience
- * Create an architecture concept (component view)
- * Be prepared to give a 10 min talk to present your concept
- * Make reasonable assumptions at unclear points when necessary