

Coding task

Purpose

Assess candidate coding skills and style

Short description

Design and implement REST interface to consume data-snapshots from one client, validate and persist data in storage, distribute persisted data to other clients via REST interface.

Technological stack and limitations

Languages, tools and frameworks to be used: Java, Maven/Gradle, Spring Boot

Use of other framework/libraries at the discretion of the developer.

Requirements

- REQ-01: As client I want to upload plain text file with *comma-separated* data via HTTP request
 - a. First line of file will contain
 - i. header: *PRIMARY_KEY, NAME, DESCRIPTION, UPDATED_TIMESTAMP*
 - b. Last line of file always to be empty
 - c. All other lines will contain four values what represents single record to be persisted
 - d. Primary *key must be non-blank* string
- REQ-02: As client I want access data persisted via HTTP request. Values of single record to be provided for PRIMARY_KEY supplied via request URL
- REQ-03: As service owner I want to remove record from storage via HTTP request by single PRIMARY_KEY for reconciliation purpose
- REQ-04: As service owner I want no corrupted records client-file (invalid format or anything) to be saved

Planned efforts: 2-3h