**\*\*SWE Home Assignement in Java \*\*\***

A Java CLI application that will track system bugs in local storage.  
Application will act based on user commands entered into CLI and should provide this functionality:

* ***create*** *a new issue with params:*
  + parent issue id – string
  + description – string
  + link url to the log
  + will return the new issue id (auto increment)
* ***close*** *the existing issue:*
  + by entering the existing issue id
* ***list*** *all existing (open) issues*
  + creation timestamp should display in system timezone

***I.e. the spreadsheet table***

| ID  | Description                                          | ParentId | Status | CreationTimestamp | Link      |  
|-----|------------------------------------------------------|----------|--------|-------------------|-----------|  
| I-1 | Customer 360 Job is not ingesting into Search Engine |          | Closed | 2024-05-01T11:02  | yahoo.com |  
| I-2 | Databricks Job is failing on parsing DoB             |          | Open   | 2024-05-07T11:02  | yahoo.com |

***Use***:

* git (github, gitlab, anything personal)
* java 11+
* spring-boot
* gradle/maven
* local storage
  + csv
  + txt
  + database (h2, mysql, …)
* docker (Optional) - the cli is executable from docker (<https://github.com/GoogleContainerTools/jib>)

***Nice to see:***

* use the facade layer so the app is no directly coupled to storage type
* functional programming
* understanding of SOLID Principle
* understanding of Design patterns
* understanding of TDD and BDD