Technical Overview – getGitUserInfo

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Technologies utilized:

IDE – Eclipse with Tomcat server

Programming Language – Java

JDK – 13.0.2

External JSON library – json-simple-1.1.1.jar from maven repository

Technical approach for implementation:

* Review Git API documentation to understand the Git API framework
* Test the public git URL to get info on the json response structure
* Search and download available JSON library that can be imported in Java project.
* Review JSON library classes and functionality.
* Make Http connection request to Git URL and open the connection.
* Check for the response code from URL and if it is 200 OK status code then stream the URL data and store it in the string variable.
* If response code is not 200 then throw error.
* Parse the string variable with JSON response into JSON array.
* Loop through the JSON array and extract JSON elements through JSON objects and display required data. Data in nested JSON will require additional parsing through JSON array.
* Implemented error handling when invalid request is provided, or git URL is not available.