


Dragoş-Ionuţ Talabă


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CONTACT

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EDUCATION AND TRAINING

03/10/2022 – CURRENT Cluj-Napoca, Romania

Bachelor's Degree - Computer Science Faculty of Mathematics and Computer Science - Babes Bolyai University (Cluj-Napoca, Romania)

Website cs.ubbcluj.ro

PROJECTS

24/01/2024

Java Toy Interpreter

A custom interpreter built on top of Java with stack and heap memory allocation. It also features type checking, logical, relational and arithmetic operations, multiple types of loops, file I/O operations, multithreading and synchronization mechanisms.

It utilizes the Model-View-Controller Architecture to enhance the separation of the project's logic and to achieve a more organized package and file structure. The project also has a graphic UI where you can see the contents of the heap, variables and the assigned values, the synchronization mechanism. At every stage, each program records its progress in a file until it reaches a final output, which is then presented either in the GUI or the text UI, depending on the user's preference.

Link <https://github.com/tlbdrgs/Java-Toy-Interpreter>

Driver Report Management System

Driver Report Manager is a C++ application built with the Qt framework, simplifying report and driver communication management. It employs the Model-View-Controller architecture for efficient data handling and a user-friendly interface.

Utilizing Qt, the application offers an intuitive GUI for easy navigation. Model-View-Controller Architecture Ensures clear separation of concerns, managing data, presentation, and user interaction effectively.

Link <https://github.com/tlbdrgs/Driver-Report-Manager>

C++ Tutorial Manager

C++ program manages tutorials, allowing both administrators and users to interact with the tutorial system.

The program allows administrators to add, delete, update, and view tutorials. Users can view tutorials by presenter, add tutorials to their watchlist, remove tutorials from the watchlist, and view the watchlist.

Additionally, the program includes error handling for various scenarios, such as attempting to add existing tutorials, removing non-existent tutorials, and invalid user inputs.

Link <https://github.com/tlbdrgs/C-Tutorial-Manager>

DIGITAL SKILLS

Java | C/C++ | SQL | Python | HTML | CSS | Object-Oriented Programming
Github | Git | Linux (Terminal Commands, Bash/Shell)

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

Other language(s):

English

Listening B2

Reading B2

Writing B2

Spoken production B2

Spoken interaction B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user