

Report

1. Instruction

- 1.1. Download the project or clone the repository from github
- 1.2. Once opened, execute Gradle Scripts as priming build.
- 1.3. Add all the dependencies (JsonSimple v1.1.1. and flexmark-all v0.64.8)
- 1.4. Make sure that you're using JDK 17.
- 1.5. Compile the project if necessary.
- 1.6. Run the App.java class to start the program.

2. Problems and how I solve them

- 2.1. Connection of the classes with the EventHandler class, solved by making the EventHandler class builded with Singleton Pattern.
- 2.2. Communication between View and Controller in EventHandler, solved by adding two hashmaps (HashMap<String, Supplier<Object>> and HashMap<String, Runnable>) to run methods and get elements from the view package.

3. Bugs

- 3.1. If there's no .json file in the repository folder the program couldn't work.
- 3.2. If a new movie is created in the system with no price, there could be an error.
- 3.3. If a new movie is created in the system with no name there's going to be a big error.
- 3.4. Movies cannot be edited, yet.

4. Improvements

- 4.1. Edition of JButton to make it plain and dark with hover effect.
- 4.2. Edition of JScrollBar to make it plain and dark.
- 4.3. Edition of JTable to make it dark, with interleave colours and with the edited JScrollBar.
- 4.4. JSON system to save and load data easily from the repository folder.
- 4.5. Markdown Text Format reader to load the README.md data in the program.