

Code review by Tabita and Lavinia for Edi and Kun

<https://github.com/EduardLupu/flcd/tree/main/Lab7>

The overall code appears to be well-organized and follows good coding practices, although there are some observations and suggestions:

**Comments:**

- The code includes helpful comments that explain the purpose of methods and key functionalities. This is good for code readability.
- Consider adding more comments to complex logic or algorithms, especially in the LR class where there are intricate parsing and state transitions.

**Exception Handling:**

- The exception handling is minimal, and in some cases, exceptions are caught but not handled or logged appropriately. Consider providing more informative error messages or logging the exceptions.
- Instead of catching a general `Exception` in some places, try to catch more specific exceptions.

**File Paths:**

- Hardcoded file paths like "Input\_Output/Out2.txt" might be problematic if the directory structure changes. Consider making them configurable or using relative paths.

**Use of Streams:**

- In the `processProduction` method of the Grammar class, the use of streams and lambda expressions might improve readability. However, this is more of a style preference.