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Group: 934/2

File Structure:

- First line contains the set of non-terminals separated by a column in the following structure: Starting symbol, rest of symbols …
- Second line: contains the alphabet
- Third line: set of productions for all the non-terminals

Code structure:

- Menu based application (for showing the user options for displaying the grammar components)
- Read the grammar from file (specify the filename)
- Validate input: check for the production set that all terminals and non-terminals from lhs and rhs to exist in the input list

Grammar class:

- For the terminals and non-terminals we use sets of strings in order to avoid duplicates
- For the productions we use a dictionary with a string as a key and a set as a value
- In the rhs each production is separated by | and each element (terminal/non-terminal) of that production is separated by space.

Link for github: https://github.com/lorena1999/FLCD/tree/main/Lab5