

PROJECT – III

CENGEDITOR

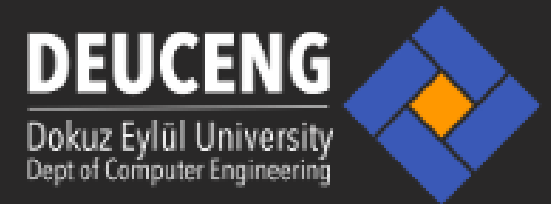
CME1252 Project Based Learning - II

by

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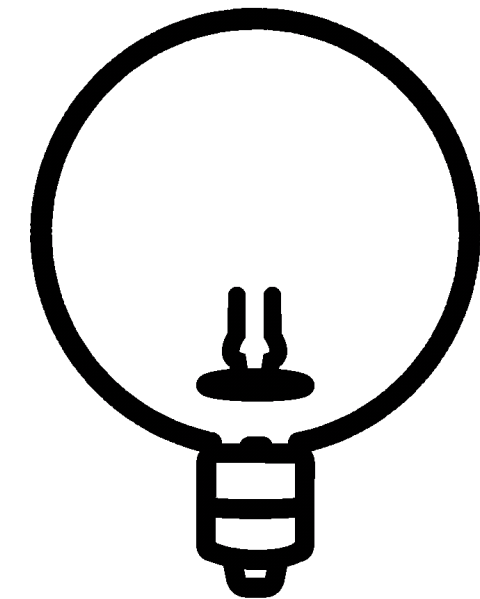


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NEXT

Outline

- Introduction
- Progress Summary
 - Requirements
 - Task Sharing
 - Scheduling
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 - Incomplete Tasks: Reasons, Explanations
 - Additional Improvements
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Introduction

CengEditor is a word processing program that users can type with. That's an application you use to “process”—format, manipulate, save — a text-based document. Its purpose is to allow users to type and save documents.

Requirements



{OOP}

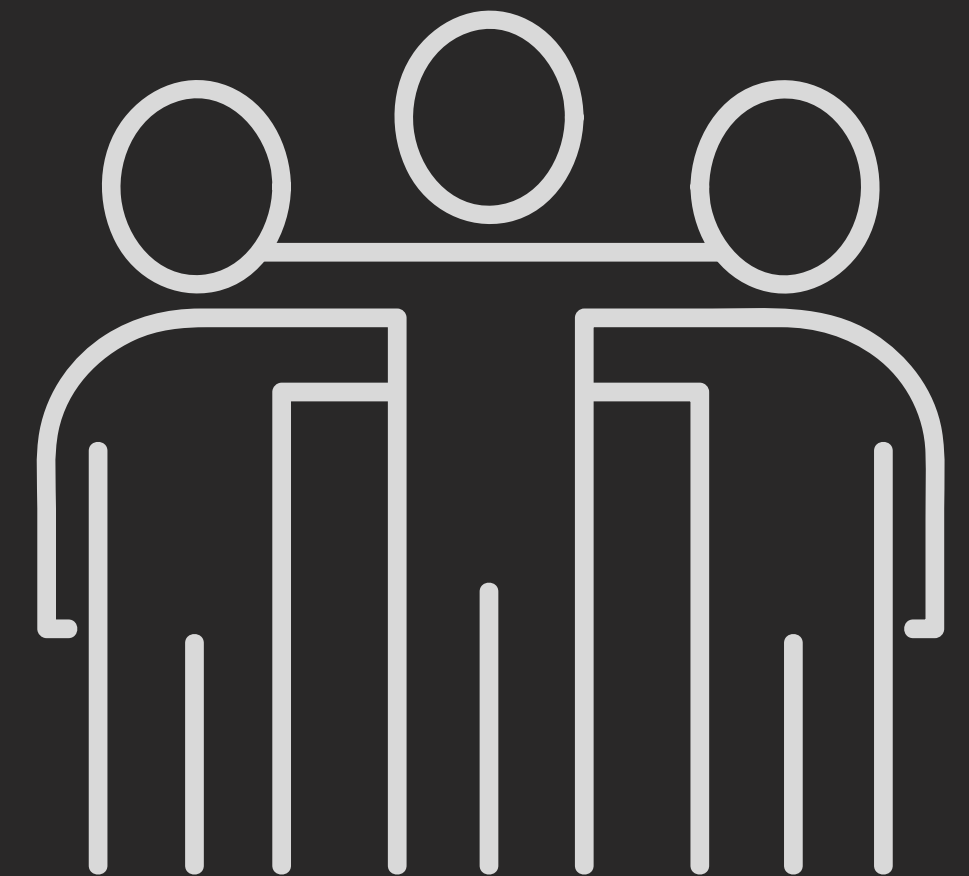


- **Java knowledge**
- **Any IDE that includes Java**
- **Canva**
- **Basic OOP knowledge**
- **Discord**



TASK SHARING

We did all the progress together including poster, presentation and reports using screen sharing. So, we didn't have any problems on task sharing individually.



SCHEDULING



Discussing and designing solution alternatives. Creating the necessary variables, structures. Screen.



FIRST WEEK

SECOND WEEK



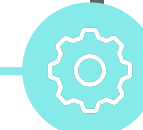
Load/save. Cursor movement. Entering and deleting characters/words.

Insert/overwrite modes. Special keys.



THIRD WEEK

FIFTH WEEK



Alignment. Remaining parts of the program, testing/debugging.

Selection.
Cut/copy/paste. Find, replace.



FOURTH WEEK

COMPLETED TASKS

- A Input
- F2 Functional Features
- Save / Load
- ≡ Alignment



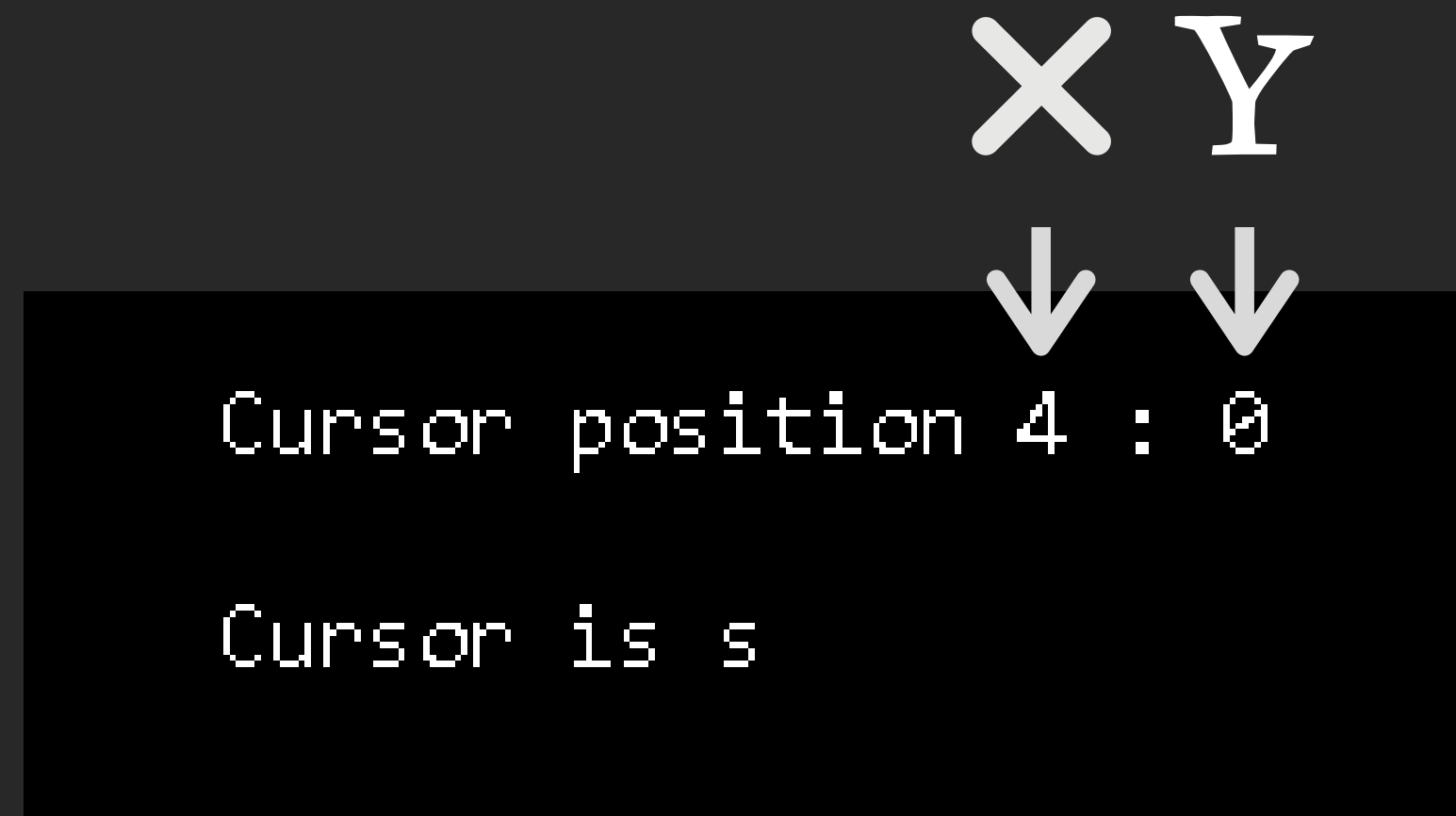
INCOMPLETED TASKS

All assigned tasks
have been
completed.






ADDITIONAL IMPROVEMENTS

Shows what the cursor represents and where it is.





PROBLEMS ENCOUNTERED

- If the line is still written when the line is full, take the word down and leave a virtual space. 
- Cursor movement between paragraphs. 
- Creating cursor Node 

ALGORITHMS AND SOLUTION STRATEGIES

List

- ADD
- DELETE
- STRUCTURE

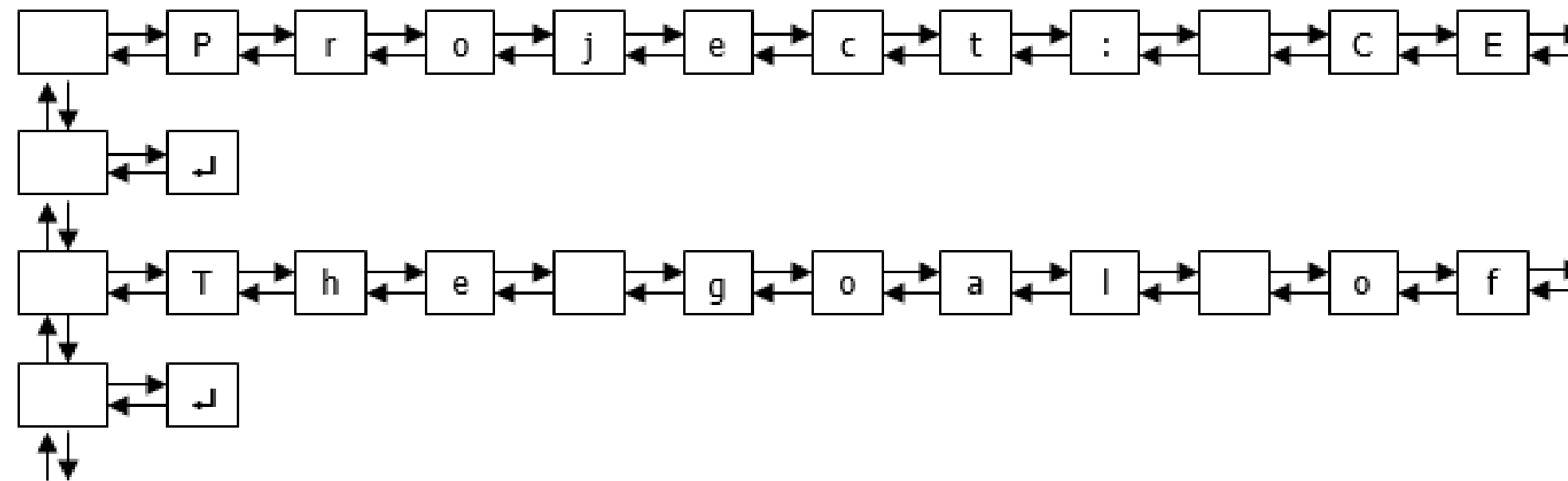
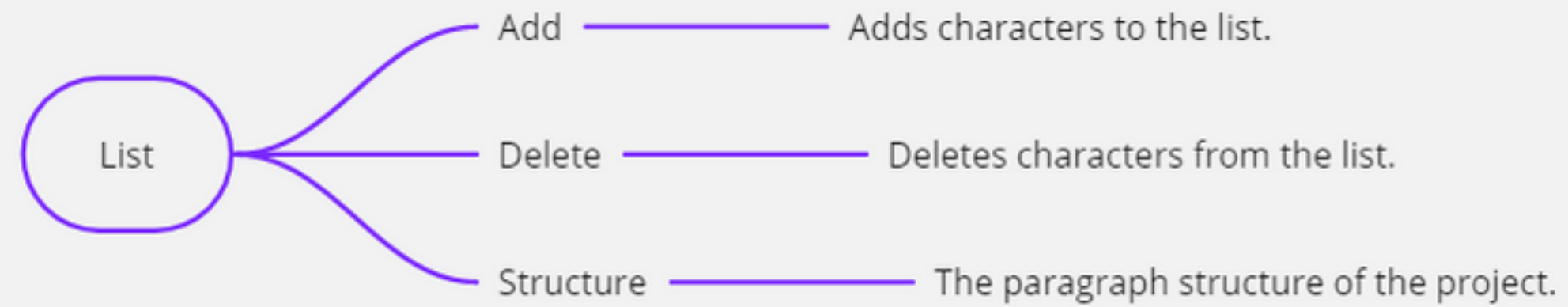
Screen

- CLEAR
- PRINT
- CURSOR UPDATE

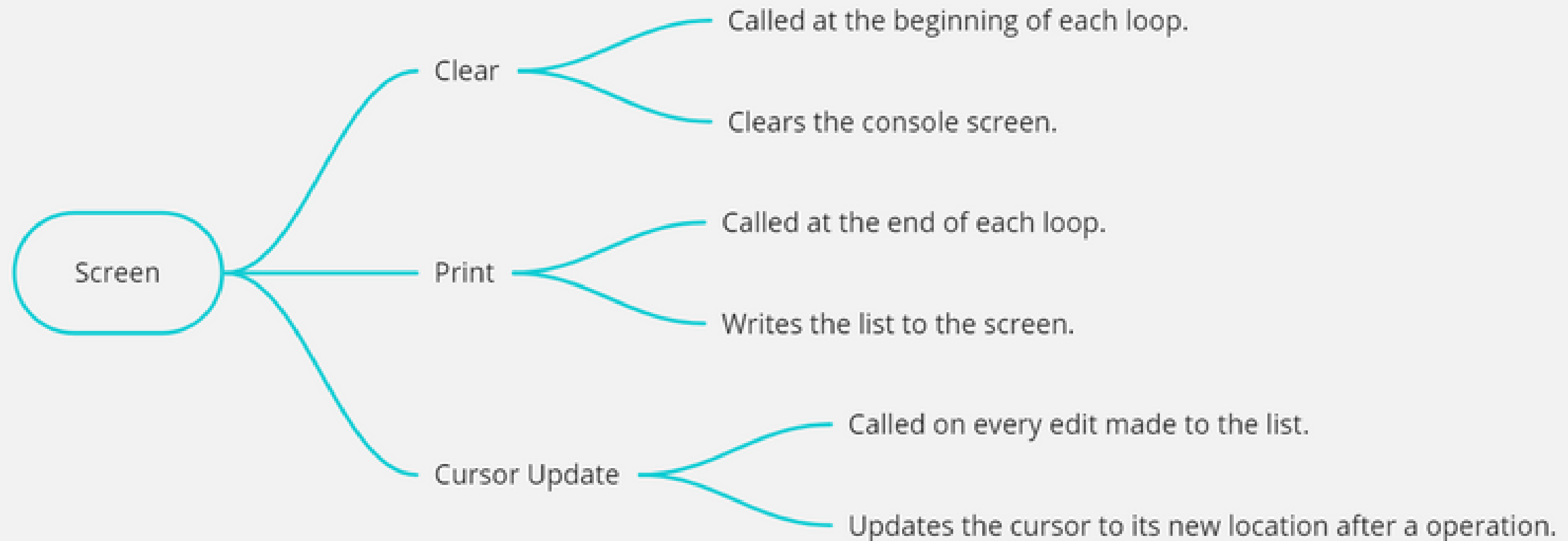
Features

- | | | | |
|-----------------------|----------------|-------------------|----------------------------|
| • (F1 - F2) SELECTION | • (F5) PASTE | • (F8) NEXT | • (INS) INSERT / OVERWRITE |
| • (F3) CUT | • (F6) FIND | • (F9) ALIGN LEFT | • (F11) LOAD |
| • (F4) COPY | • (F7) REPLACE | • (F10) JUSTIFIED | • (F12) SAVE |

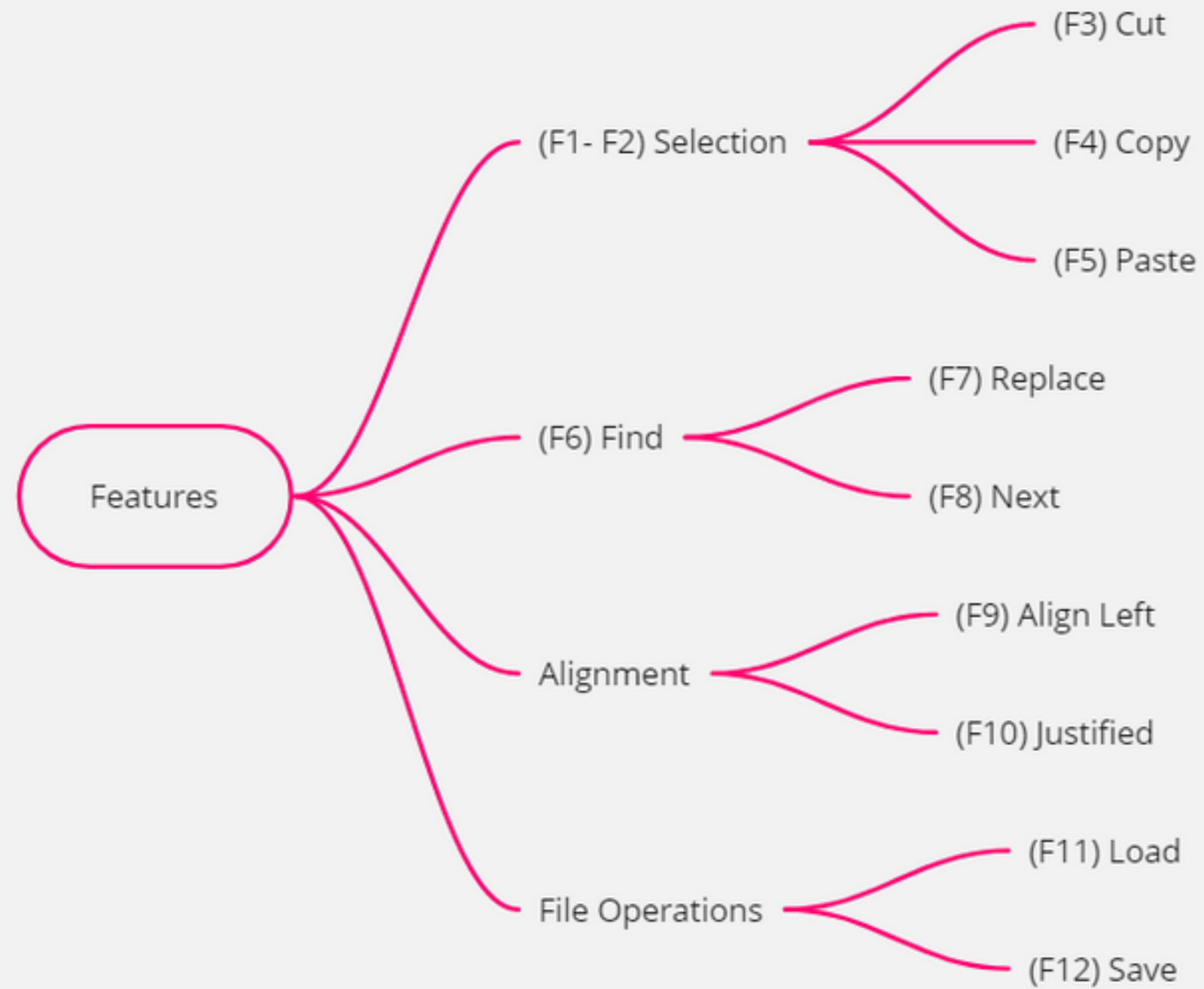
List



Screen



Features



CONCLUSION

In conclusion, we really learned a lot of new things about Java/OOP and improved our problem-solving skills while doing this project.

We finished the editor in an error-free and pleasing way for the users. Additionally, while doing this we tried to write the code most shortly and cleanly.

REFERENCES

- <https://www.canva.com/>
- <https://stackoverflow.com/questions/35591397/eclipseget-and-set-caret-position-of-the-editor>
- <https://www.eclipse.org/forums/index.php/t/170786/>

**THANK YOU FOR YOUR
ATTENTION**

ANY QUESTIONS ?

