

# Outliner Improvements

Proposal.pdf would be written in L<sup>A</sup>T<sub>E</sub>X

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## TODO Synopsis

## Benefits

More user-friendly and powerful outliner.

## TODO Deliverables

## Project Details [3/6]

The major code is in *source/blender/editors/* **space\_\_outliner** && **space\_\_view3d** path.

- ☒ Shift-select to select a range of items.  
It is related to **tree's traversal** problem,

- ☐ Box selection by simple click and drag.
- ☒ Shortcut keys for operations like delete, duplicate.
  - Keybinding** Sequence(meta keys)
    - **M1**: This is the *Delete* key
    - **M2**: This is the *Shift* key
    - **M3**: This is the *Ctrl* or *command* key
- ☐ Arrow key navigation.
- ☐ More consistent and powerful right-click menus.
- ☒ Sync selection between 3D viewport and outliner.
  - This has higher priority than the 1st item. We only need one way to show selections - the highlighted row.

## Project Schedule

I could finish this project in 12 weeks, and about 1 item per 2 weeks.

## Bio

My name is Yadong Cheung, I live in China. Currently studying at East China Normal University(ECNU). I major in preschool education, UI design is my hobby, and I love 3D modules especially in animals. The first time that I know CG is the interdisciplinary course *The Film and Television Direct* I studied, which needed special effects modeling. HTML and CSS is based on web and it's designed for front-end engineer, maybe they could be helpful of outliner designing, I also started learning T<sub>E</sub>X, the perfect typesetting system, last year.

## Programming experience

I like C language, and although I have no experience in products but I read the two books which are known as **The C Programming Language 2e** and **C Primer Plus 6e**. I used to programming in XCode and Eclipse. I learned **Python** from edx, which course is Introduction to Computer Science and Programming Using Python.

## References

- [1] Kulkarni, R. (2013). Instant Eclipse 4 RCP Development How-to. Packt Publishing Ltd. [Emacs](https://www.gnu.org/software/emacs/) 26.1 ([Org](https://orgmode.org) mode 9.2)