



Knight Foundation  
School of Computing  
and Information Sciences



# Knight Foundation School of Computing and Information Sciences

Fall 2023 Senior Design Project

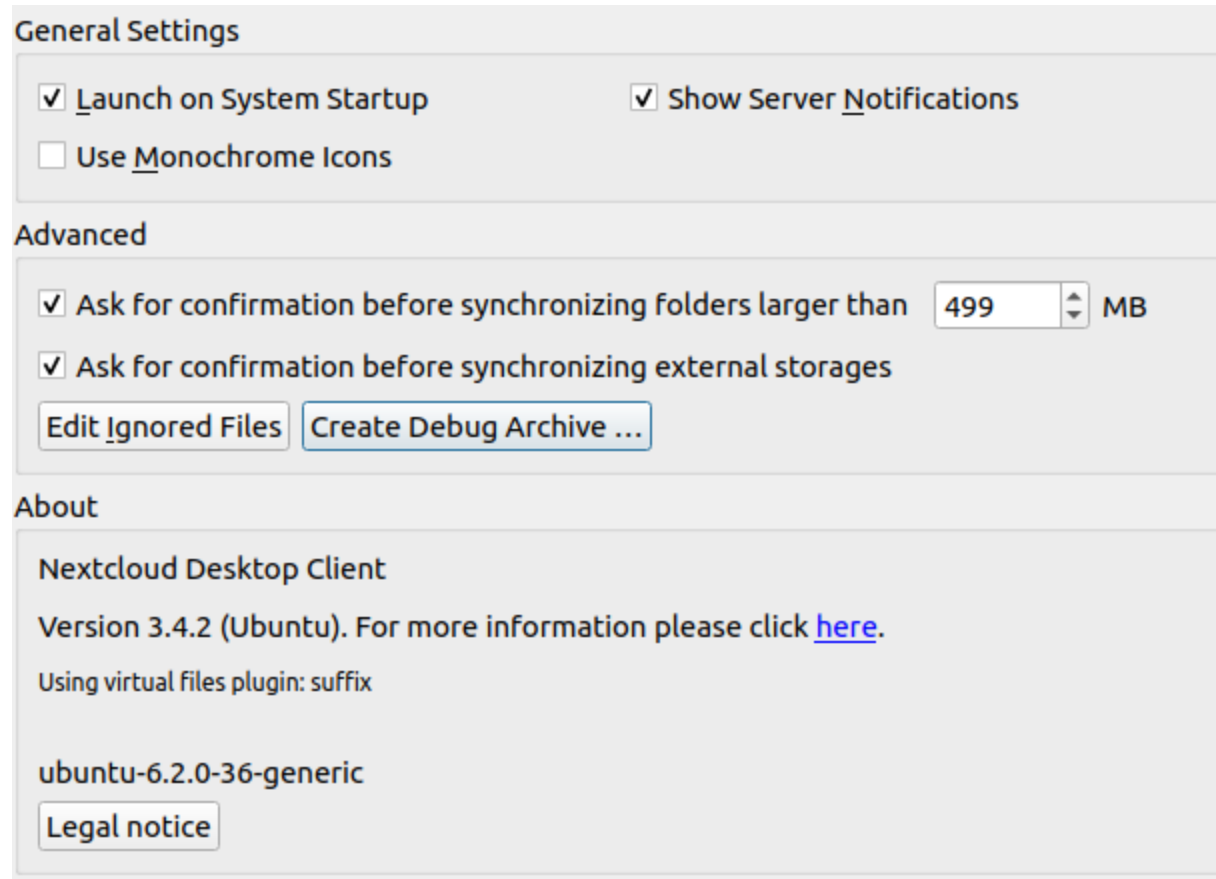
## Bringing Personalization To The Nextcloud Linux Client

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Mentor: Seyedmasoud Sadjadi

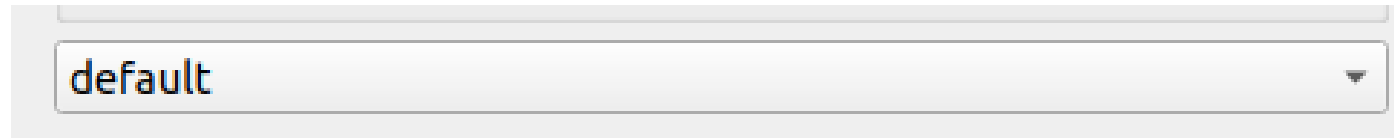
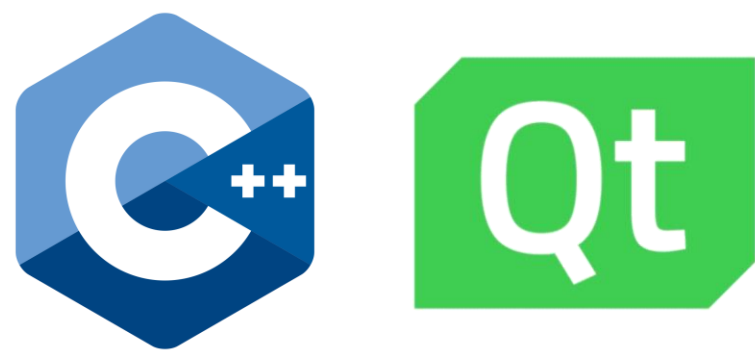
Instructor/Faculty: Seyedmasoud Sadjadi, Florida International University

### PROBLEM

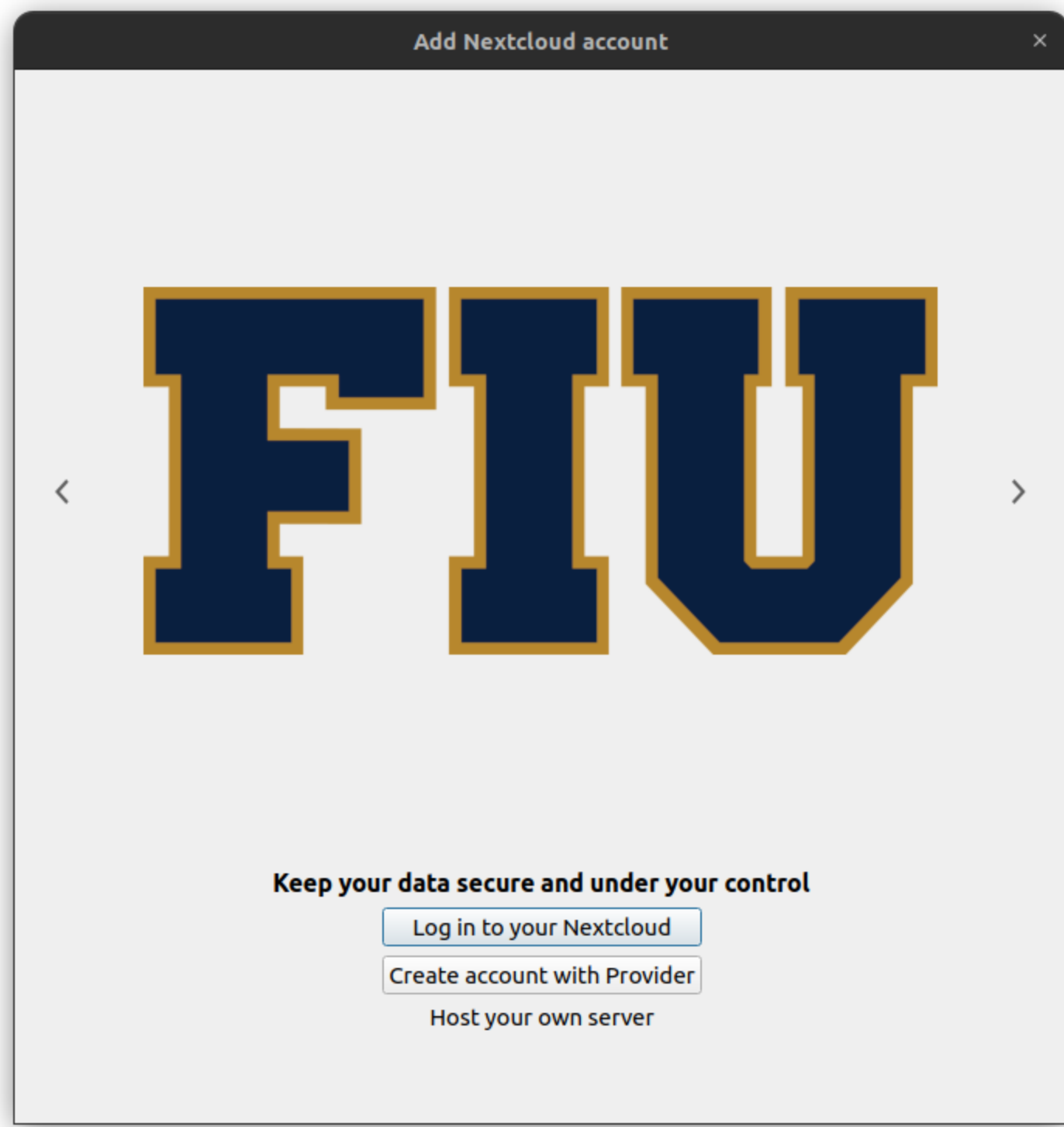


Original Nextcloud has little customization, and the current settings were not designed to account for any extreme customization.

### IMPLEMENTATION

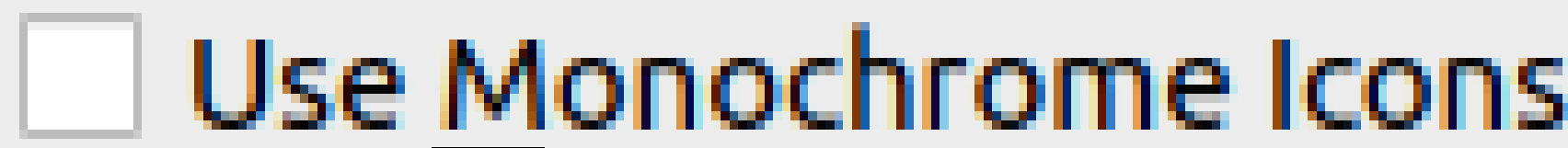


1. Using QT, added combobox to select an image theme.



2. Using C++ and QT, added built in themes selectable in customization window

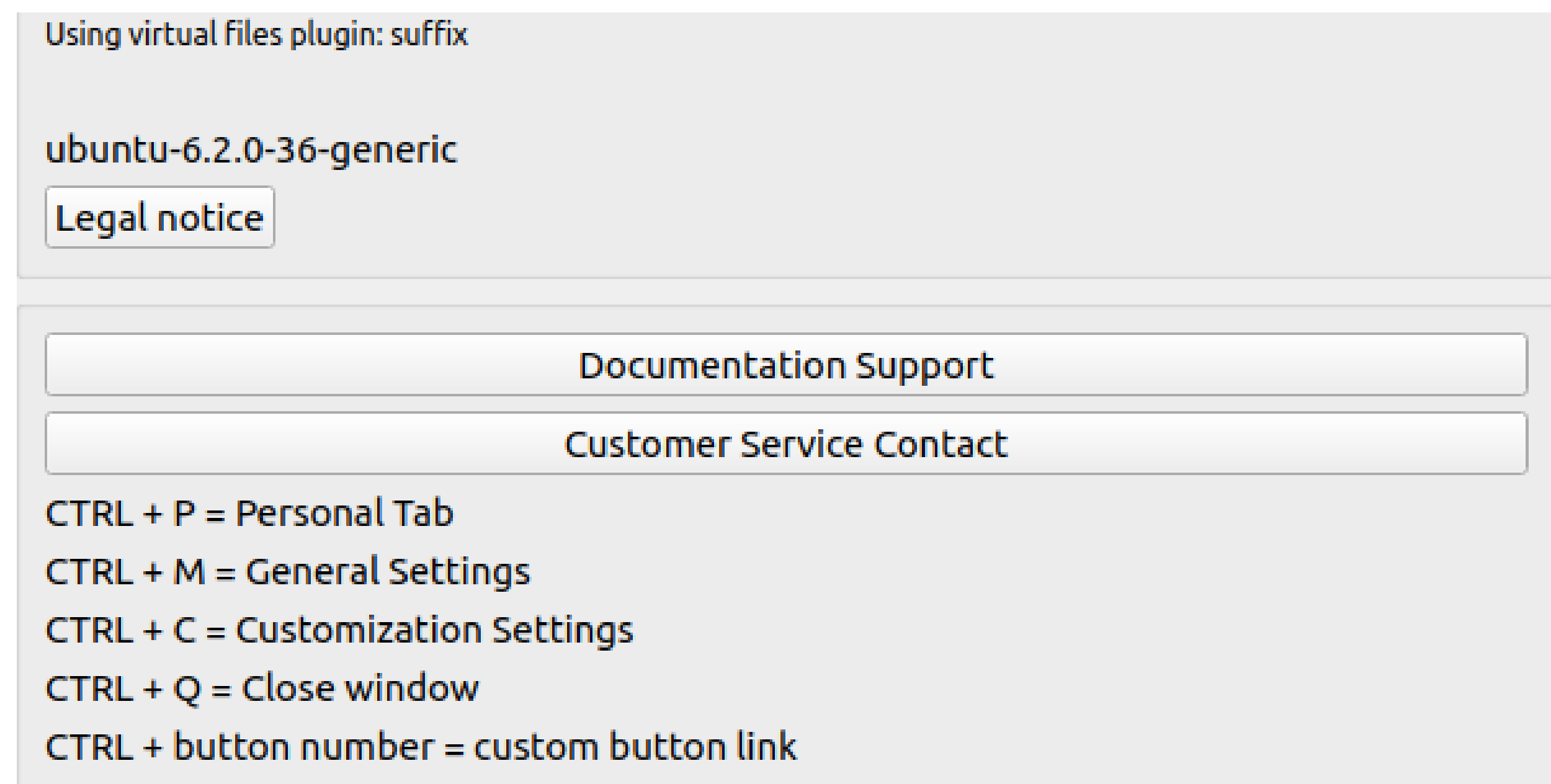
### CURRENT SYSTEM



Nextcloud currently has a single checkbox in the general settings that turns the icons on the systray monochrome.

Nextcloud currently has a single no menu for customization and is reaching its limits in maneuverability.

3. Added keyboard shortcuts to allow for quick switching from menu windows.



4. Add keyboard shortcuts to allow for use of personal tab custom links without using the mouse.

### REQUIREMENTS

Nextcloud needed a system to change the images saved to the application for the sake of personalization.

Original Nextcloud has little customization, and the current settings were not designed to account for any extreme customization.

To proceed, we needed an intimate understanding of how Nextcloud came together to make even the slightest of changes to personalization.

### SUMMARY

My personal contributions were the personalization of the various built-in graphics, and the improvement of the navigability problems that customization brought.

### ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Nextcloud and FIU. We/I thank Seyedmasoud Sadjadi for his assistance and mentorship that I/we received throughout the senior design project.