



**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**

ASSIGNMENT OF MASTER'S THESIS

Title: SWM - Simple Window Manager
Student: Bc. Jan Bína
Supervisor: Ing. Filip Křikava, Ph.D.
Study Programme: Informatics
Study Branch: System Programming
Department: Department of Theoretical Computer Science
Validity: Until the end of summer semester 2020/21

Instructions

While there is a plethora of tiling window managers available on the X11 system, there seems to be a lack of a small, easy to use yet hackable stacking window manager. The goal of this thesis is to design and implement one. As an inspiration, it shall build on the CWM, but implement it in a modern system programming language, streamline the code and make it more EWMH and ICCCM compliant.

The core features should include:

- basic stacking window management,
- basic window decoration,
- basic tiling (moving windows to half/thirds of the screen),
- extensibility,
- scriptability.

The implementation should be easy to read and tested.

References

Will be provided by the supervisor.

doc. Ing. Jan Janoušek, Ph.D.
Head of Department

doc. RNDr. Ing. Marcel Jiřina, Ph.D.
Dean

Prague January 14, 2020