

VM Plan of Attack

F24 CS246E Final Project, VM (Vim) Plan of Attack for Due Date 1

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Tasks are assigned sparsely between 11/30 and 12/07 due to other assignments or exams. 12/09 - 12/11 will be fully dedicated towards this project.

Tasks

- ☐ Experimentation (est completion 12/01)
 - ☐ Familiarize myself with ncurses
 - ☐ Figure out concrete implementation strategies
- ☐ Initial Setup (est completion 12/02)
 - ☐ Set up all header files as per UML
 - ☐ Configure makefile and ncurses
 - ☐ Write the main driver file (main.cc)
- ☐ Project Milestone #1: Display File (est completion 12/04)
 - ☐ Begin partial implementation of Model, View, and VMState
 - ☐ Implement VMFileState (display only)
 - ☐ Fully implement FileView
- ☐ Project Milestone #2: Movement (est completion 12/05)
 - ☐ Implement Controller, CursesKeyboard, and VMInputParser
 - ☐ Implement MoveCursor action
- ☐ Project Milestone #3: Insert Mode (est completion 12/06)
 - ☐ Finish full implementation of VMFileState (except for save)
 - ☐ Implement VMCommandBarState
 - ☐ Implement Insertion action
- ☐ Project Milestone #4: Exit VM (super important) (est completion 12/07)
 - ☐ Implement Command action
 - ☐ Implement VMFileState save

☐ Project Milestone #5: Clipboard and History (est completion 12/09)

☐ Implement VMClipboard, CopyPaste, VMEditHistory, UndoRedo

☐ Project Milestone #6: Working VM (est completion 12/09)

☐ Implement all other actions except for recordreplay

☐ Project Milestone #7: Macros (est completion 12/10)

☐ Implement VMMacros and RecordReplay

☐ Test completed VM

☐ Project Milestone #8: Finish (est completion 12/11)

☐ Test and debug

☐ Write final design document and update UML if needed

☐ Submit