PDF FACTORY

Your ultimate solution to pdf files



Overview

• UI design philosophy

• Architecture



- A GUI front-end to PDFJam
- Helps in modifying/manipulating PDF files



- Opening/previewing pages of a PDF file
- Cut/Copy/Paste/Delete
- Rotate pages
- N-up/2 sides offset
- File merging
- Works across multiple files





UI Design philosophy

Goals:

- Intuitive, mostly depends on mouse clicks
- Easy access across multiple files
- Compensate for PDFJam's low speed through queuing commands

Focuses on mouse clicks

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Focuses on mouse clicks

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Time compensation for PDFJam

- PDFJam command line
- no visible intermediate results
- needs to wait before executing next step



Model-View-Controller Architecture

- Separation of concerns
- Decoupling between components



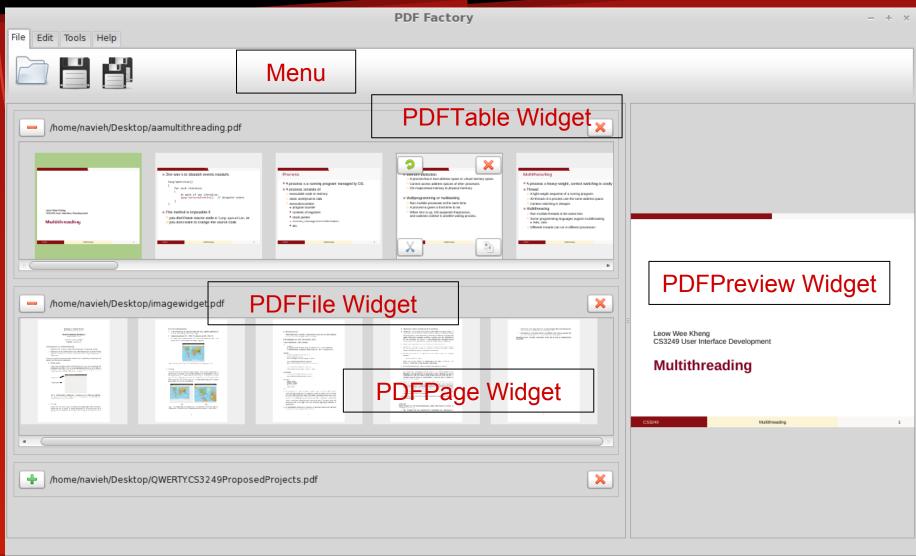
Challenges

 Rendering pdf takes time: do it in another thread!

- PDF renderer lib is not thread-safe: mutex - save some memory, slower to load creating multiple objects - one for each thread, sacrifice memory for performance
- need to generate multiple PDFJam commands -> executing all commands at the export step costs some time...

again, as user is editing, do it in another thread.





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