

# Welcome

# About the author

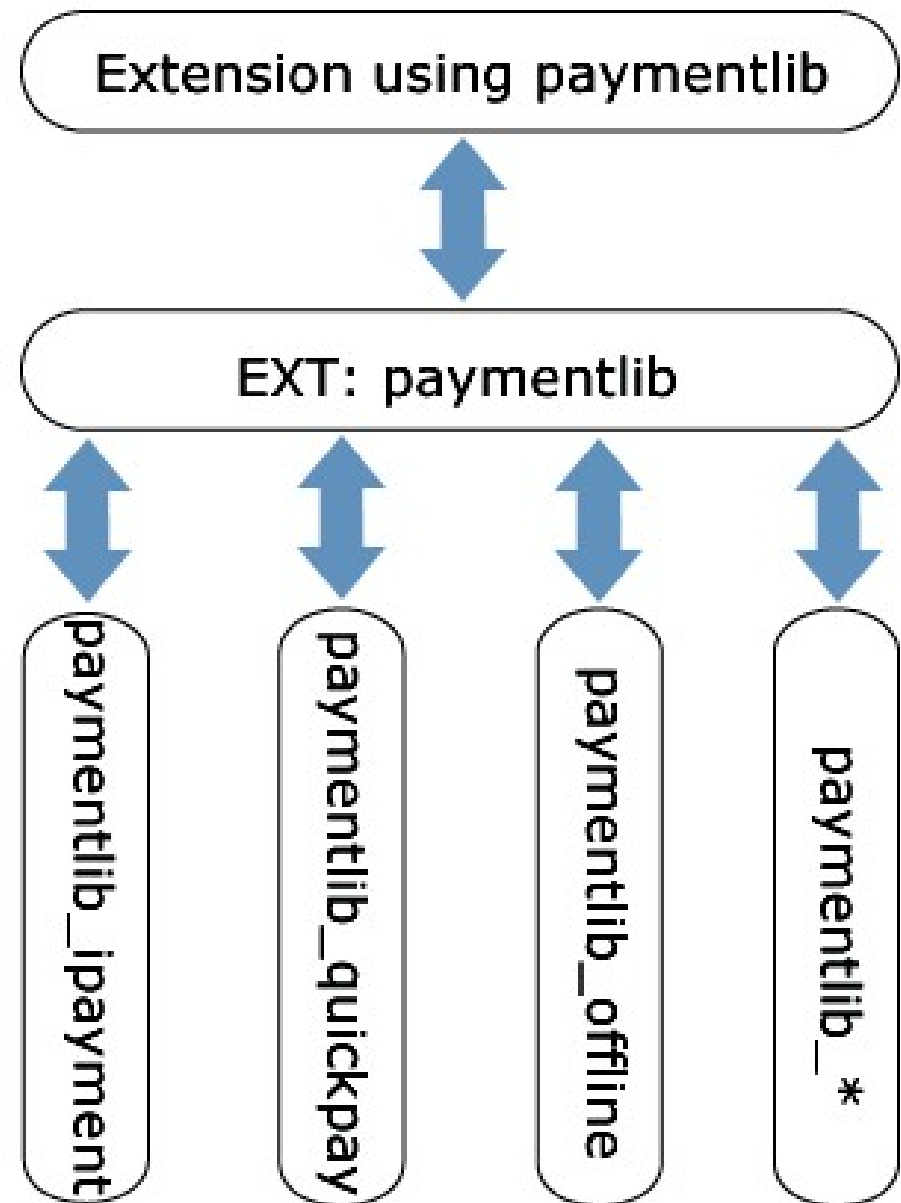
- Name: Tonni Aagesen
- Typo3 user/developer since 2004
- Employed at pil.dk – a Danish hosting company
- Working primarily with development and maintenance of the payment gateway “quickpay” and Typo3 hosting and extension development
- Took over paymentlib from Robert Lemke in June 2006
- Currently maintaining these extensions:
  - Payment code library (paymentlib)
  - Payment method “quickpay” (paymentlib\_quickpay)
  - Payment method “offline payments” (paymentlib\_offline)
  - TMailform (pil\_mailform)

# Table of contents

- What is paymentlib?
  - Short demonstration
- Implementing paymentlib
  - Step by step guide
- Creating a payment method
- Benefits and drawbacks
- Notes on PCI
- Any questions?
- Resources

# What is paymentlib?

- An abstraction over online (and offline) payments
- Provides a unified interface for handling payments through your website/typo3 extension
- Separates payment gateway specific implementations from extensions
- Handles any number of compatible payment methods

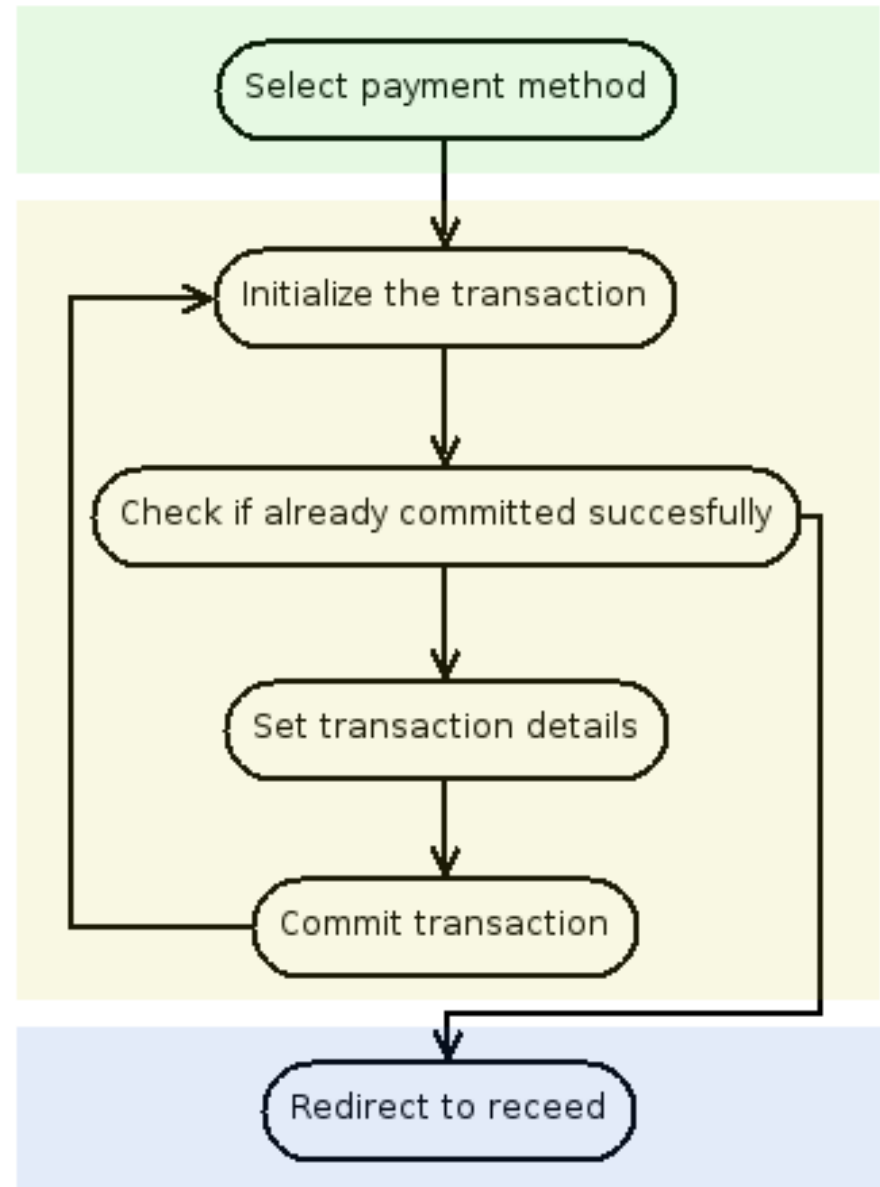


## Not a real slide

(Demonstration of EXT:donations in browser)

# Implementing paymentlib

- The three steps:
  - Customer selects which payment method to use
  - The customer enters the payment details (credit card number etc.) and the transaction is committed
  - Based on the success of the transaction, customer either presented with a receipt or told that the transaction failed
- These steps only require about 50-60 lines of code



# Creating a payment method

- Considerations on creating a payment method
  - Use the existing payment methods as an example
  - Always make the “form” method available.
  - Please consider naming the extension key “paymentlib\_<gateway>” - it will make it easier to search for methods in TER etc.
  - If questions should arise during the development process, you are of course welcome to ask me in [typo3.projects.paymentlib](#) list

# Benefits and drawbacks

- Benefits

- Unified way of handling payments in typo3 for extension developers
- None or minimal special adaptation of extensions needed
- Use the same payment methods across different extensions
- Extension and repository cluttering can be avoided
- Freedom of choice with regards to payment gateways

- Drawbacks

- PHP5 only
- Implements only the lowest common denominator of payment gateway features



# Notes on PCI

- Considerations on implementing credit card payments
  - **Do not store any credit card information!** If you do, you will be required to be certified according to the PCI security standards.
  - If you handle credit card payments through webservice, you are required to comply to and fill out a “Self-Assessment Questionnaire” from PCI.
  - If you handle credit card payments through a formular provided by the payment gateway, no credit card information is passing through your server – leaving the security measures up to the gateway provider.

# Any questions?

Not a real slide either

# Resources

- Maillist/Newsgroup: `typo3.projects.paymentlib`
- Paymentlib documentation:  
<http://typo3.org/extensions/repository/view/paymentlib/0.2.0/info/README.txt/>
- PCI information: <https://www.pcisecuritystandards.org/>