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)
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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 webservices, 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.
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/