Web patterns and Grails

Phylobase - Thasso Griebel
Request-Response

- Message exchange pattern
- Send request
- Wait for response or timeout
- Synchronous communication
Client Side Request

- Request
- Wait
- Response
- Timeout
- Success
- Fail

- Render Web page
- Report error (i.e. 404)
Server Side Request

- Request
- Handle request
- Call Application
- Send Error as response
- Send Page as response
- Timeout
Telnet Demo
Send data

- Forms are used to send data from the browser to the server
- The server can read data either as POST or as GET parameter
Simple FORM
Model View Control

- Model
  - Contains the data that should be displayed

- View
  - Responsible for rendering the model (to HTML)

- Controller
  - controller logic that performs actions
MVC
Simple Controller
GRAILS