Concern-Driven Software Development
With
jUCMNav and

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A concern groups related functionality across all software development phases (from requirements models to design models and implementation), and provides three interfaces to facilitate reuse.

- Variation Interface
- Customization Interface
- Usage Interface

Feature Model and Impact Model

Class Diagram
**Demo Outline**

**Bank Application**
- Feature Model
- Impact Model
- Workflow Model

**Design Models**
- Class View
- Message View

**Authentication**
- Feature Model
- Impact Model
- Workflow Model

**Design Models**
- Class View
- Message View

Generic Concern provided by Reusable Concern Library
JUCMNav Tool

- Free (EPL), open-source plug-in for Eclipse
- Fully supports the URN standard
- Goal Modeling and Analysis
- Feature Modeling and Analysis
- Workflow/Scenario Modeling and Analysis
- Support for Aspect-oriented URN and CORE
- User-defined OCL rules

Pronounced: juicy – em – nav
http://jucmnav.softwareengineering.ca
TouchRAM

• A tool for **agile software design modelling**
  • **UML-based** modelling notation, with aspect-oriented extensions
    • Model structure and behaviour of design concerns in a reusable way with class diagrams, sequence diagrams and state diagrams
  • **Streamlined**, multi-touch enabled **user interface**
    • Intuitive editing using gestures
    • Multi-user
  • **Reusable design concern model library**
  • **Model hierarchies** support design with multiple layers of abstraction
Download jUCMNav:  http://jucmnav.softwareengineering.ca