

On to Iteration 3, and Activity Diagrams

Curt Clifton

Rose-Hulman Institute of Technology

Please log on to ANGEL

Plan for Today

- ✦ 2/3-term Course Evaluation
- ✦ On to Iteration 3
- ✦ Activity Diagrams

Help

- Please take 10 minutes and complete the 2/3-term Course Evaluation on ANGEL

On to Iteration 3

Iteration 3: NextGen POS

- ✦ Failover to local services
- ✦ Support for POS devices
- ✦ Credit payment authorization
- ✦ Persistence

Iteration 3: Monopoly

- ✦ Lots, Railroads, and Utilities
- ✦ Purchasing property
- ✦ Collecting rent

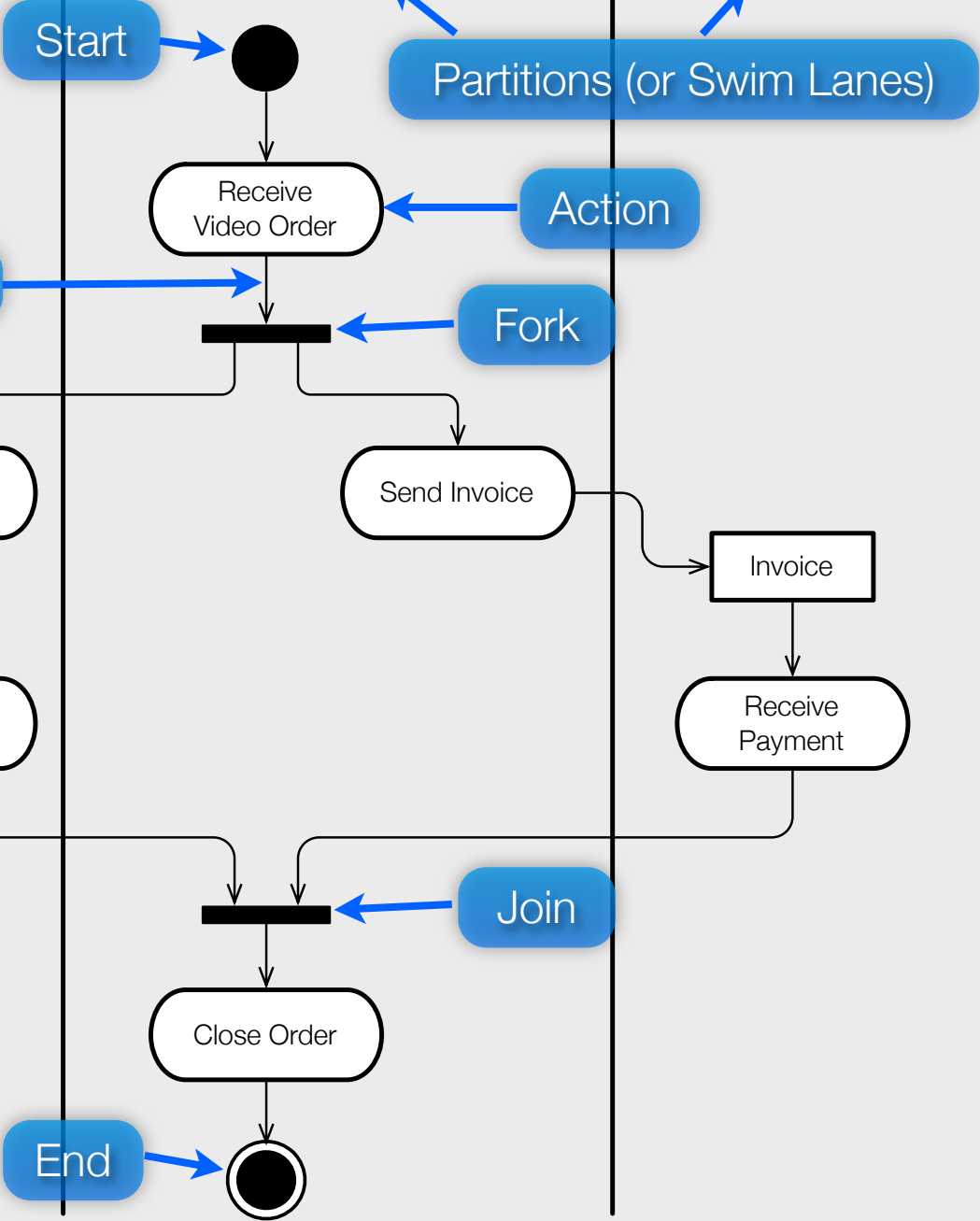
UML Activity Diagrams

- ✦ Useful for modeling:
 - ✦ Business processes
 - ✦ Workflows
 - ✦ Data flows
 - ✦ Complex algorithms

Fulfillment

Customer Service

Finance

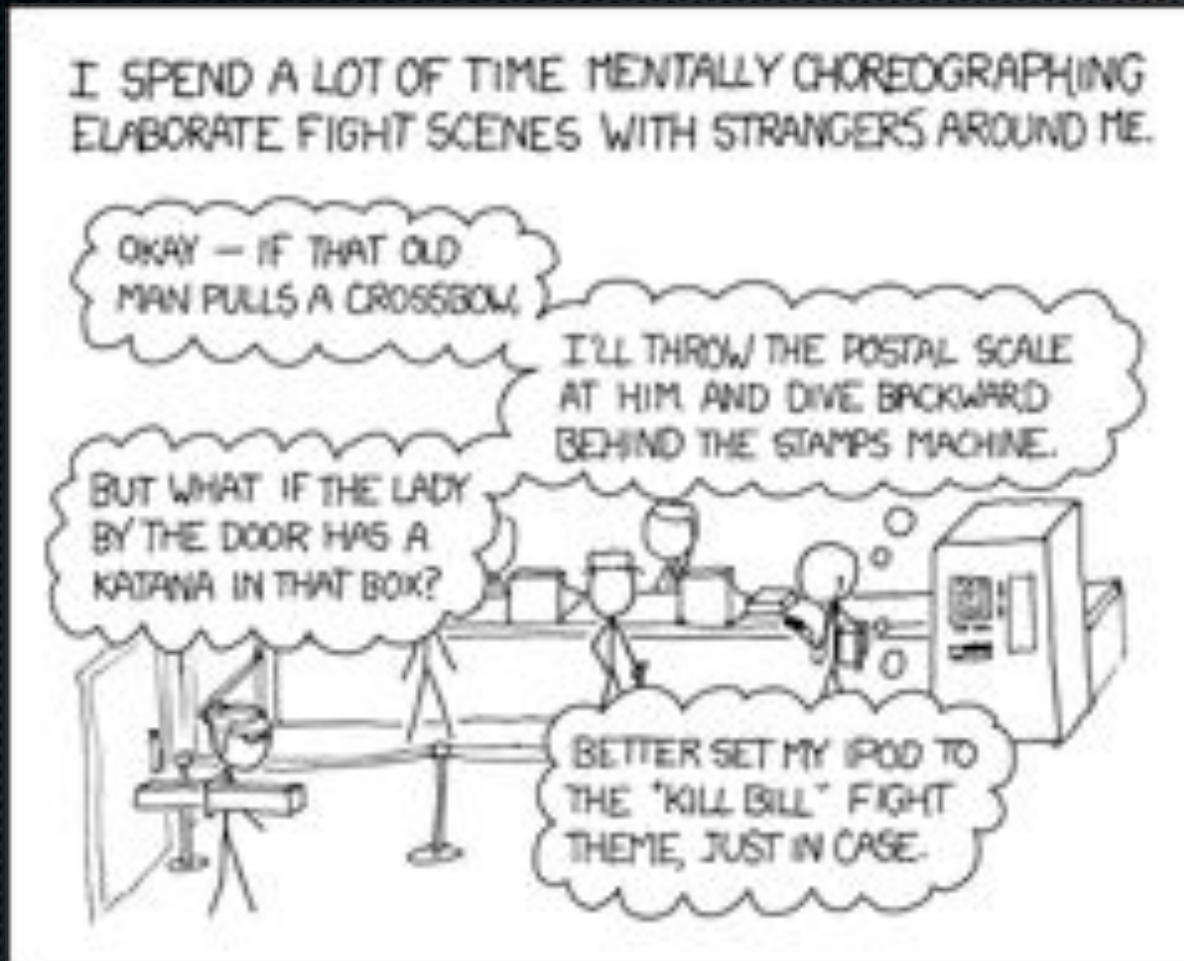


Object

Example of
Business
Process
Modeling

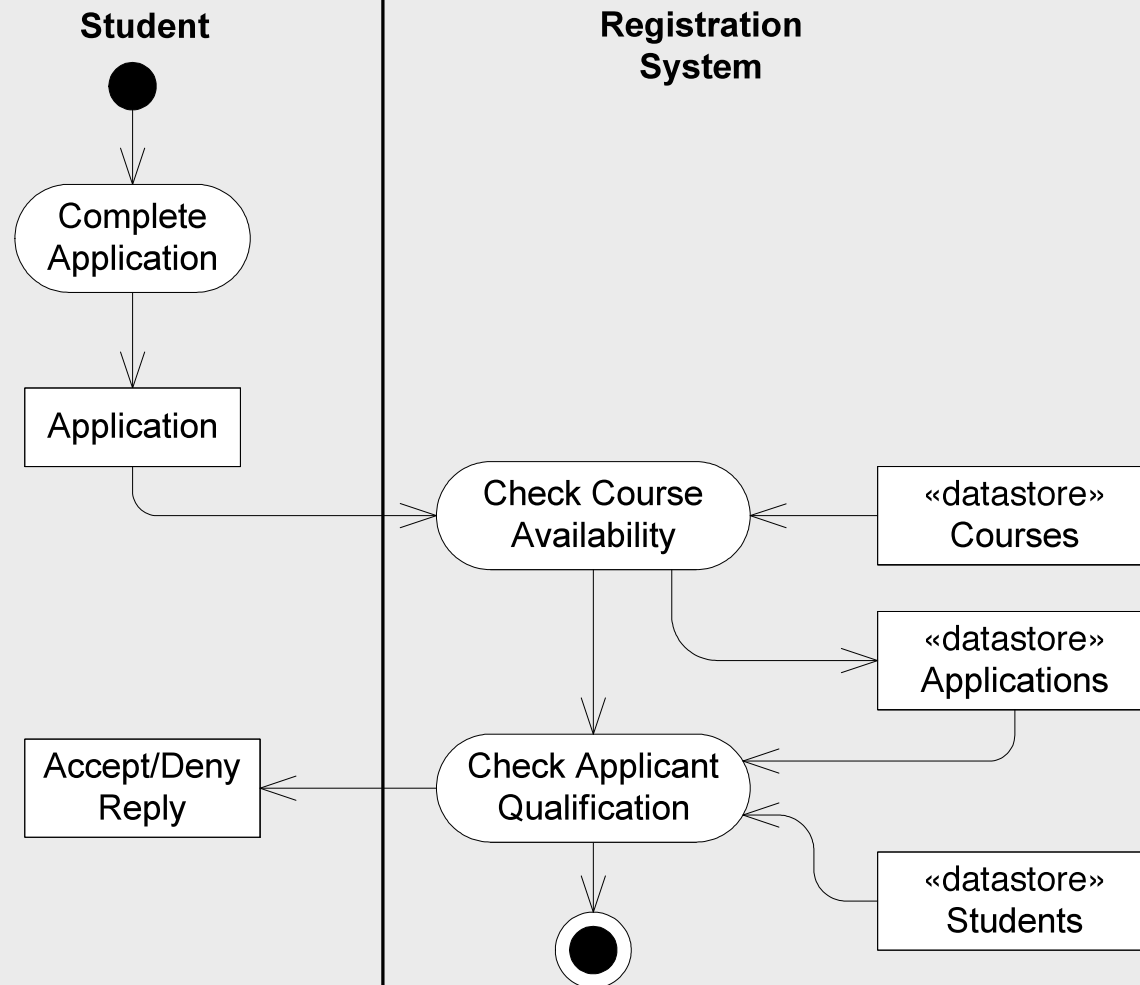
Q1

Post Office Showdown



That track (“Battle Without Honor or Humanity”)—like ‘Ride of the Valkyries’—improves *any* **activity**.

Example of Data Flow Modeling



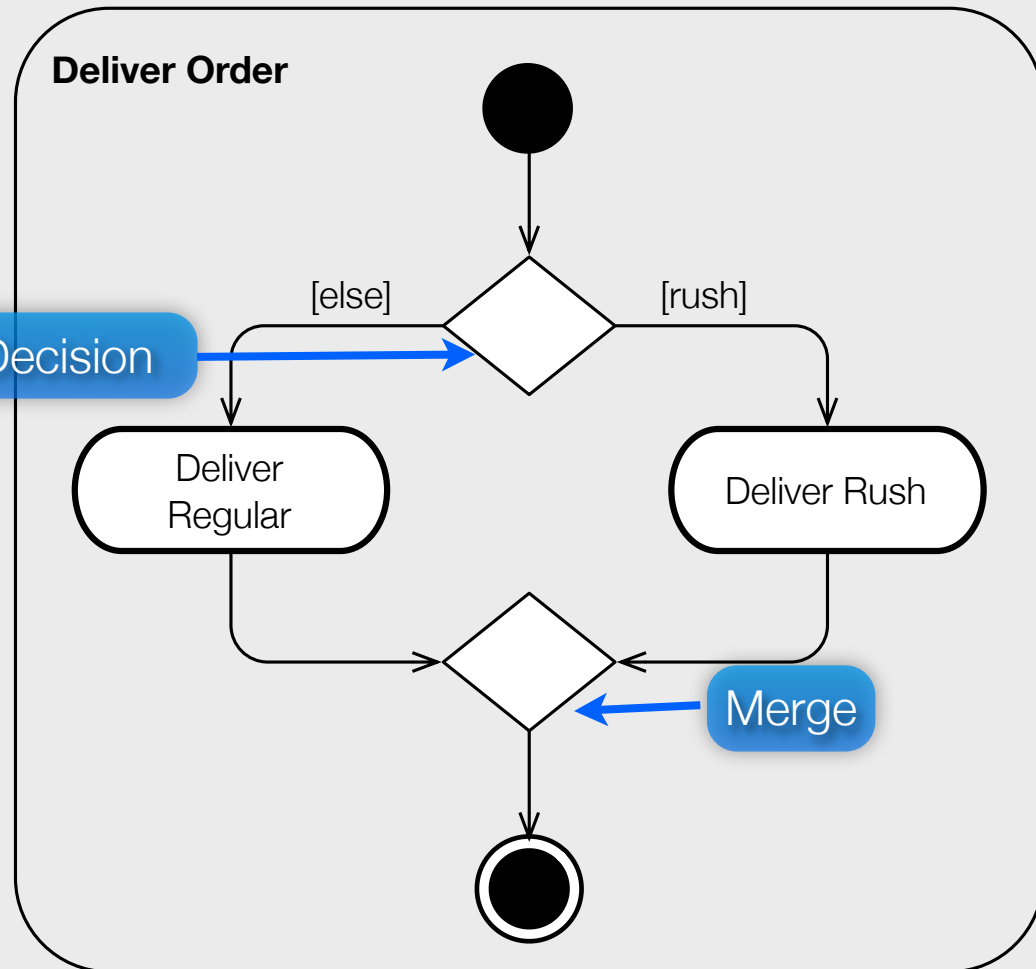
A Bit More Notation



Rake



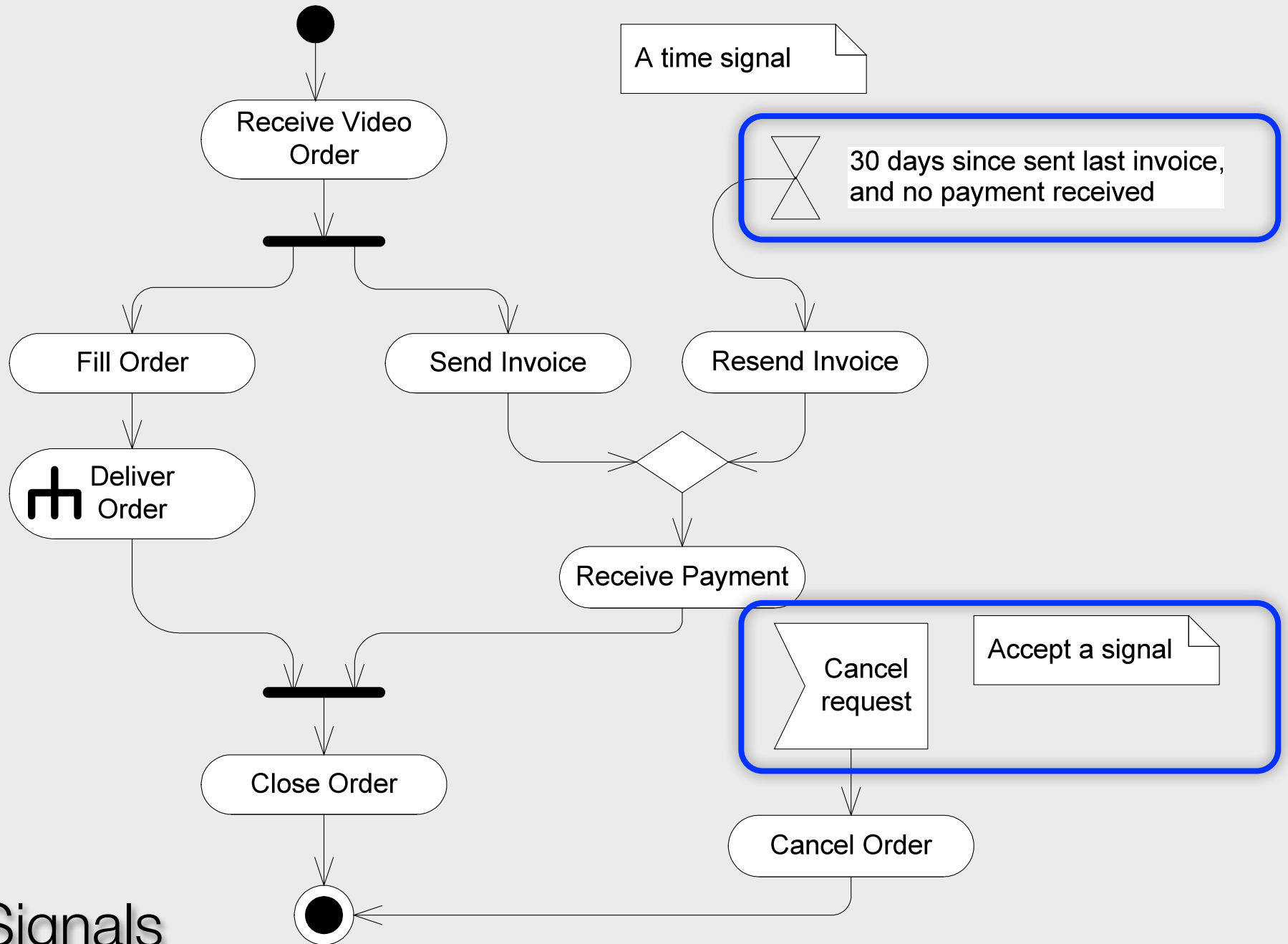
Decision



Merge

Q2,3

Signals



Activity Diagram Guidelines

- Most valuable for **complex** processes with many parties
 - Just use text for simple processes
- Use “rake” notation and sub-activity diagrams
 - Keep top-level diagrams at high, consistent level of abstraction

Your Turn: Q4

Ask for help if you're stuck