Introduction to BPMN

Rushikesh K Joshi
IIT Bombay
Business processes vs. software processes vs. work-flow tasks

Examples

- awarding a subcontract
- carrying out a test plan
- booking a train ticket
- payment of money

- What's involved in each of them
- The difference between them
- Difference in their modeling techniques
- Difference in tool supports for them
BPMN

• Developed by OMG
• Meant for use by
  • Business analysts who create initial drafts of processes
  • Technical developers who implement the technology
  • Business managers and monitors who run the business
• Bridges gap between design and implementation of processes
Private Processes

- Internal processes – specific to an organization

- check application completeness
- check eligibility
- approve or reject policy
- notify applicant
Public Processes

- Interaction between a private processes and another process or participant
- All internal activities of private process are not shown, but only those that are used to communicate with external parties are shown
- It shows the external world the message flows and their order needed to interact with the process
Collaborations

- Interaction between two business entities
- Two or more pools representing participants
- Message exchange is shown by message flows that connect pools
- Messages associated with message flows can also be shown
- Touch points: collaboration activities in a public process
- Corresponding internal processes may have much more activities than what is shown in public process
Collaborations

Applicant:
- I want to apply
  - make an application
  - check status
  - check results

Institute:
- receive application
- show application status
- notify applicant

This is the result