Introduction to BPMN

Rushikesh K Joshi
IIT Bombay

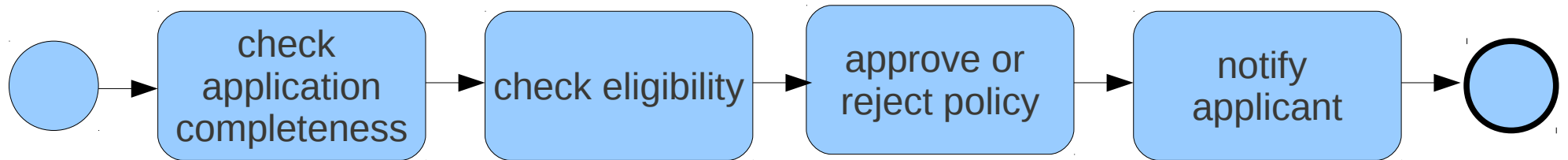# Business processes vs. software processes vs. work-flow tasks

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

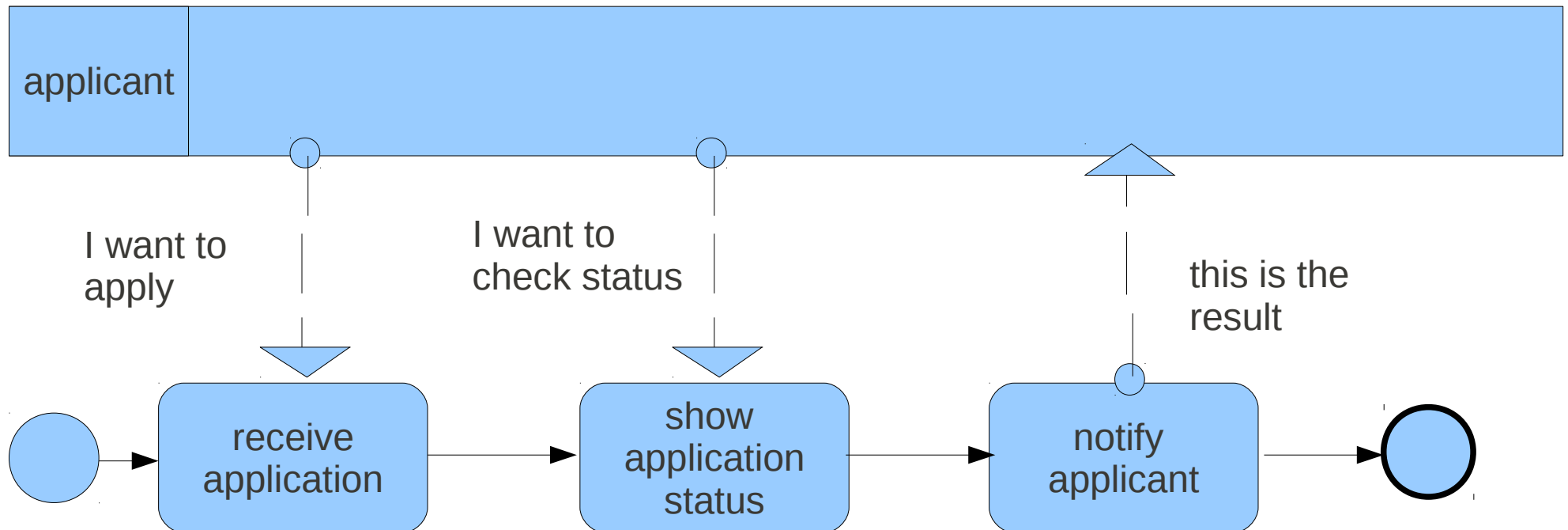- Bridges gap between design and implementation of <u>processes</u>

Private Processes

- Internal processes – specific to an organization

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