

Subject Objectives

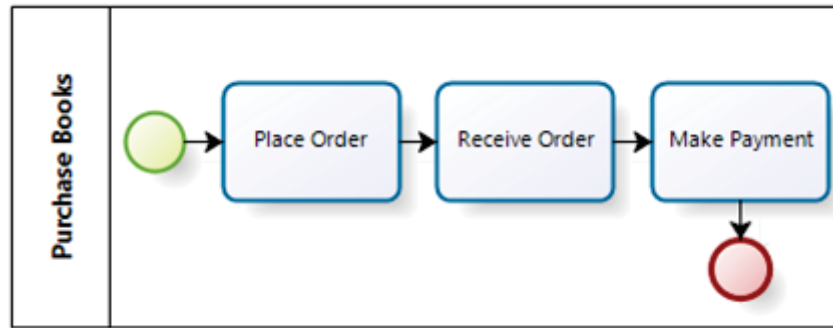
1. Understand who are the **stakeholders** and learn what/how to capture **requirements** in the **system development process**.
2. Appreciate how **modelling techniques** can help to understand the working of business systems.
3. Discover why system **specifications are important** and how modelling can be used to specify systems and user requirements.
4. Develop a model of a system using **structured systems analysis** techniques including Entity-Relationship Models.
5. Develop an **object model of a system**, including Use Case modelling, Event Flow Diagrams and Object Class

Ch1: What is BRM?

Understand requirements concept, understand role of analyst, understand need of BRM

- In the industry:
 - Consultant + Advisor
 - Business + info architect
 - Scrum master
 - IT business analyst/Snr
 - Solution Designer
 - Developer
- What is a business?
 - AKA enterprise/firm
 - Public or private organisation
 - Engaging in profit + non-profit activities
 - Trading goods, services
 - Owned by the state, individuals + multiple individuals
 - Comprised of internal parts (BU, functions) + external parts (Customers, suppliers, regulators)
 - Consists of shareholders + stakeholders
 - Aspires to achieve specific goals
- What are stakeholders?
 - Individual, team, org who have an interest/participation in the development of requirements and relative SW system
 - Have differing roles based on interest/responsibility in an organisation
 - PM, BA, Sponsor, End user, etc.
- What are requirements?
 - A requirement is a:

- Condition/capability needed by a stakeholder to solve a business problem or achieve an objective
 - Statement of need that must be met by a particular product or service to solve a business problem or achieve an objective
- EG
 - Customer must be able to place an order for a book on the phone in less than 5 mins
 - A customer must be able to place an order online in less than 3 mins
 - Requirement= people + process + data + SW sys + Quality + assumption
- Requirements are needed for:
 - Developing new/altering existing business process, service or product (order management process)
 - Developing new/altering existing SW sys (online ordering processing system)
- SMART
 - Specific, simple
 - Measureable, manageable
 - Achievable, actionable, appropriate
 - Rationale, result oriented
 - Traceable, testable, timely
- Requirements are:
 - Identified
 - Captured
 - Managed
 - Communicated
 - Prioritised
 - Estimated
 - Scope
 - De-scoped
 - Signed off
- What is modelling?
 - Model:
 - Representation of a real world entity or object or subject of interest (business process model, data model, sw sys model)
 - As is (current state) and to be (future state) models
 - Modelling:
 - Technique for developing diff models (process/data modelling)
- What are requirements modelling?
 - People or stakeholder list (modelling)
 - Process (modelling)



- Data (modelling)



- Why is BRM important?
 - Clarity, communication, reasoning, understanding
- What is a SW Sys?
 - Organised assembly of SW parts or components
 - Components are affected bc in the SW sys
 - Behaviour changed if altered/removed
 - Receives inputs
 - Process inputs within constraints of producing outputs
 - Solve business problem
 - E.g.: order processing sys, payroll sys, online banking sys
- What is a SW system methodology?
 - Methodology:
 - Guideline for solving problem with components:
 - Phases