



# **REQUIREMENTS ANALYSIS AND DESIGN**

## **(PHÂN TÍCH VÀ THIẾT KẾ YÊU CẦU)**

### **502050**

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## **Chapter 1**

### **Introduction**

# Outline

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- What is an information system?
- Role of (IT) Business Analyst
- Methodologies, Models, Tools, and Techniques
- Stages in building information systems

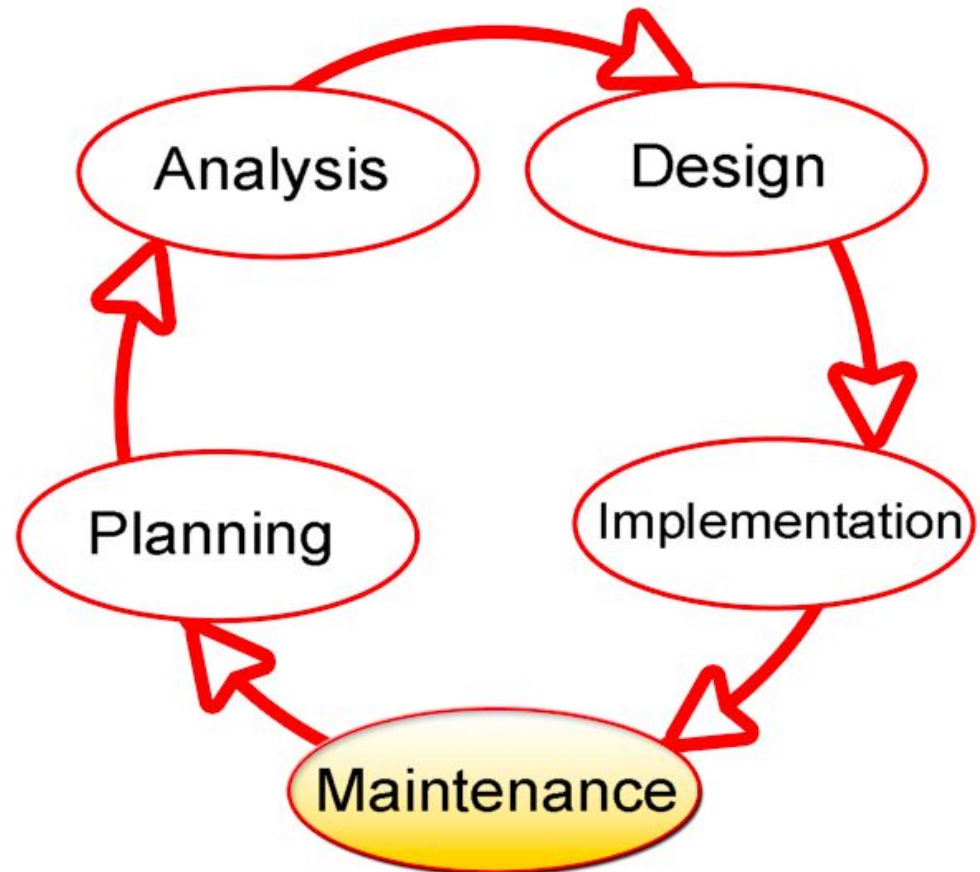
# What is an information system?



# Developing Information Systems

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Not just about  
programming!



# Role of (IT) Business Analyst

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Perform Business Analysis

Identify the  
business  
needs

Develop  
/Implement  
solutions

# Role of (IT) Business Analyst

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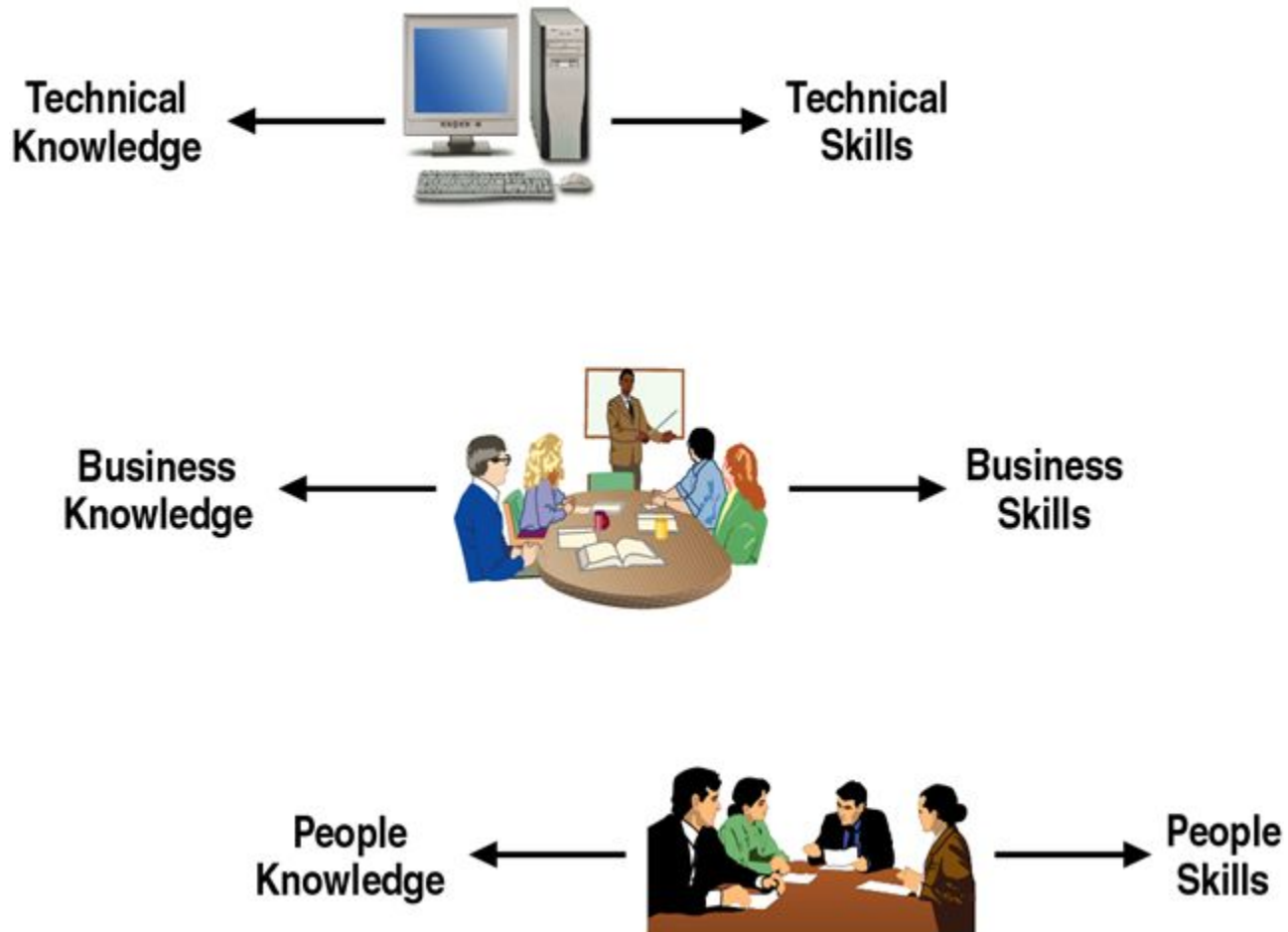
- Stakeholders

Person or organization  
affected by a project

Can be users, customers (who  
do not use the system  
directly)

# Knowledge and skills required of an IT Business Analyst

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# Methodologies, Models, Tools and Techniques

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- Methodology



## System Development Methodology:

- Set of guidelines to follow for completing every activity in the development process



# Models use in System Development

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## Unified Modeling Language (UML)

- Standard set of model constructs
- Designed for Object-Oriented development

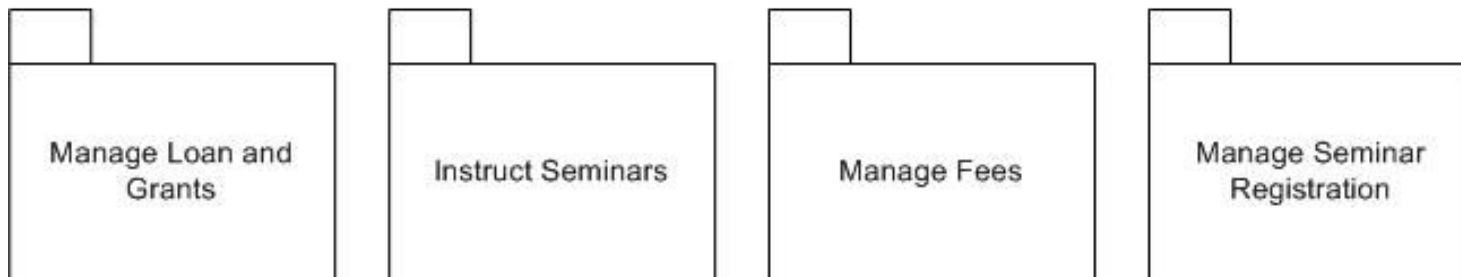
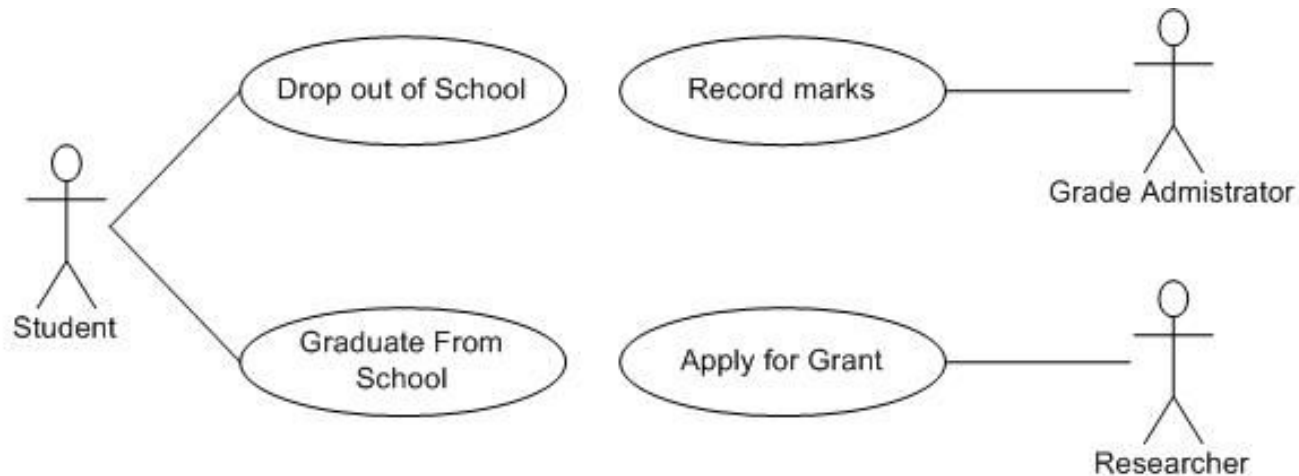
# Tools



Integrated  
Development  
Environment (IDE)



# Techniques



# Stages in building information systems

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- Business Modeling
- Requirements
- Design
- Implementation
- Testing
- Deployment