

# Investigating System Requirements



UNIVERSITY  
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# Systems Analysis Technology

- **Core Process 3 in the SDLC**—includes activities related to systems analysis, including:

- ✓ Gather detailed information
- ✓ Define requirements
- ✓ Prioritize requirements.
- ✓ Develop user-interface dialogs
- ✓ Evaluate requirements with users

Analysis activities
Gather detailed information.
Define requirements.
Prioritize requirements.
Develop user-interface dialogs.
Evaluate requirements with users.

Core processes	Iterations					
	1	2	3	4	5	6
Identify the problem and obtain approval.						
Plan and monitor the project.						
Discover and understand details.						
Design system components.						
Build, test, and integrate system components.						
Complete systems tests and deploy the solution.						

- Objective:
  - understand *in great detail* what the information system needs to accomplish
- Note:
  - Analysis activities may integrate with other activities in SDLC



# Systems Analysis Activities

- Gather Detailed Information
  - Interviews, questionnaires, documents, observing business processes, researching vendors, comments and suggestions
- Define Requirements
  - Modelling functional requirements and non-functional requirements
- Priorities Requirements
  - Essential, important, vs. nice to have
- Develop User-Interface Dialogs
  - Flow of interaction between user and system
- Evaluate Requirements with Users
  - User involvement, feedback, adapt to changes



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