

INFORMATION SYSTEMS DEVELOPMENT

3

CHAPTER

Chapter Three Information System Development

- Describe the motivation for a system development process in terms of the Capability Maturity Model (CMM) for quality management.
- Differentiate between the system life cycle and a system development methodology.
- Describe 10 basic principles of system development.
- Define problems, opportunities, and directives—the triggers for systems development projects.
- Describe the PIECES framework for categorizing problems, opportunities, and directives.
- Describe the essential phases of system development. For each phase, describe its purpose, inputs, and outputs.
- Describe cross life cycle activities that overlap multiple system development phases.
- Describe typical alternative “routes” through the basic phases of system development. Describe how routes may be combined or customized for different projects.
- Describe various automated tools for system development.