

System Development Life Cycle (SDLC)

1. Planning

- a. Project Initiation
 - i. System Request
 - 1. Project Sponsor
 - 2. Business need
 - 3. Business Requirements
 - 4. Business Value
 - ii. Feasibility Analysis
 - 1. Technical Feasibility
 - 2. Economic Feasibility
 - 3. Organizational Feasibility
- b. Project Management
 - i. Work Plan
 - ii. Staff the project
 - iii. Monitor and Control

2. Analysis

- a. Analysis Strategy
 - i. Business Process Automation
 - ii. Business Process Improvement
 - iii. Business Process Reengineering
- b. Requirement Gathering
 - i. Interviews
 - 1. Closed ended questions
 - 2. Open ended questions
 - 3. Probing questions
 - ii. Questionnaires
 - iii. Observation
 - iv. Jad
 - v. Document Analysis
- c. System Proposal
 - i. Detailed requirement definition
 - ii. Functional models
 - iii. Structural models
 - iv. Behavioral models

3. Design

- a. Design Strategy
- b. Architecture Design
- c. Database and file
- d. Program Design

4. Implementation

- a. Construct the system
 - i. Build it
 - ii. Test it
- b. Install system
 - i. Train the users
- c. Support the system