

**Course Title: Diploma in Business Process Management. Module 12:
Structured Systems Analysis**

Figure 4.1: Occurrence of Errors during the SDLC

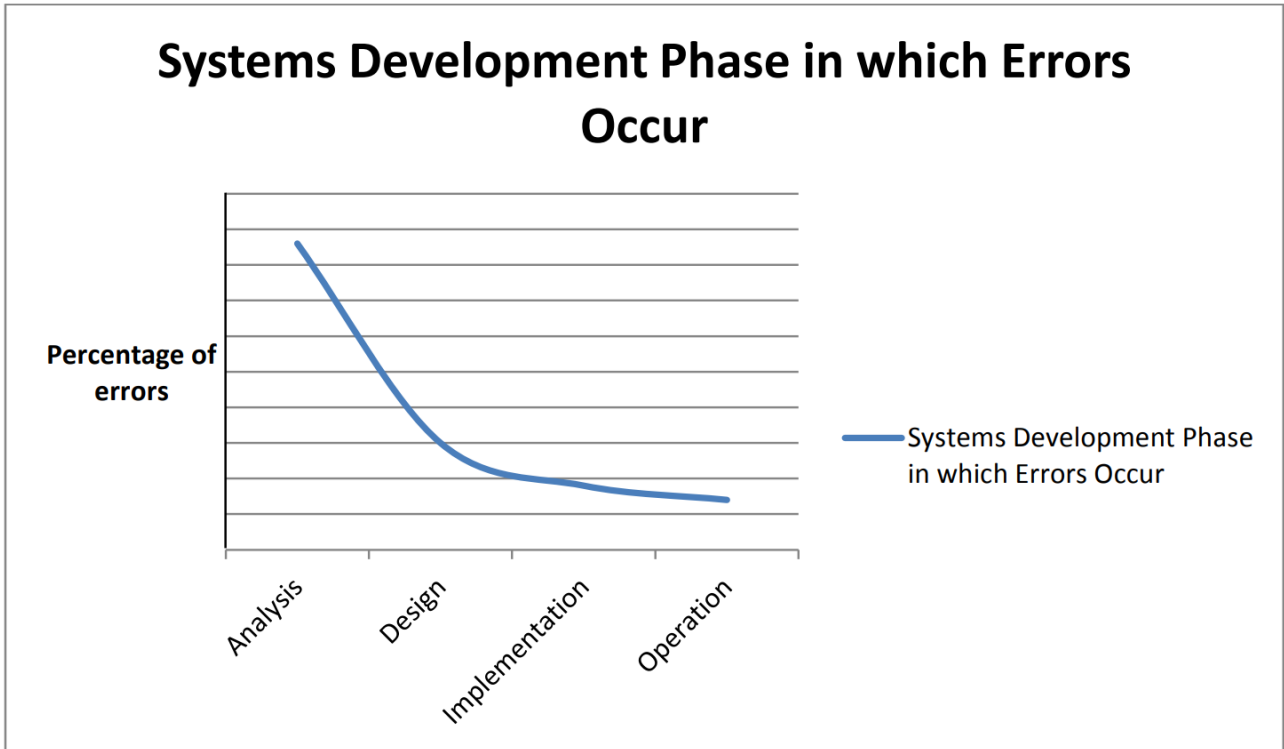
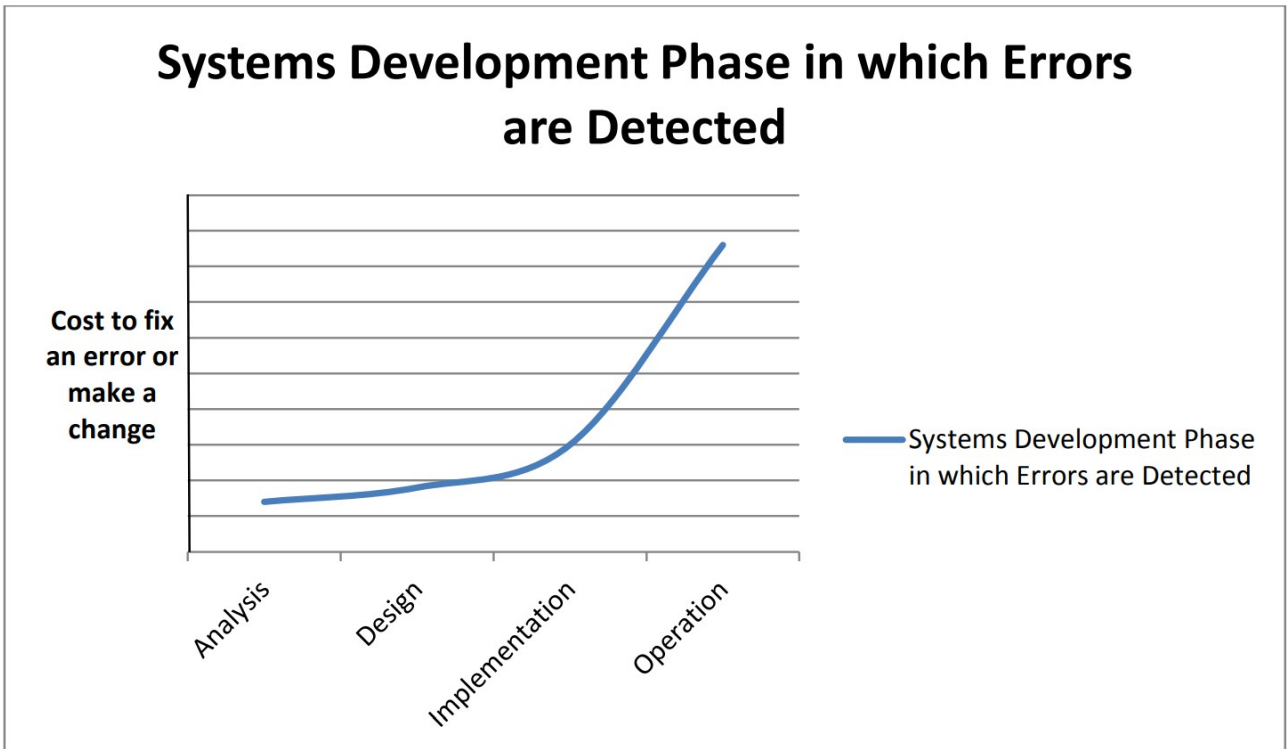
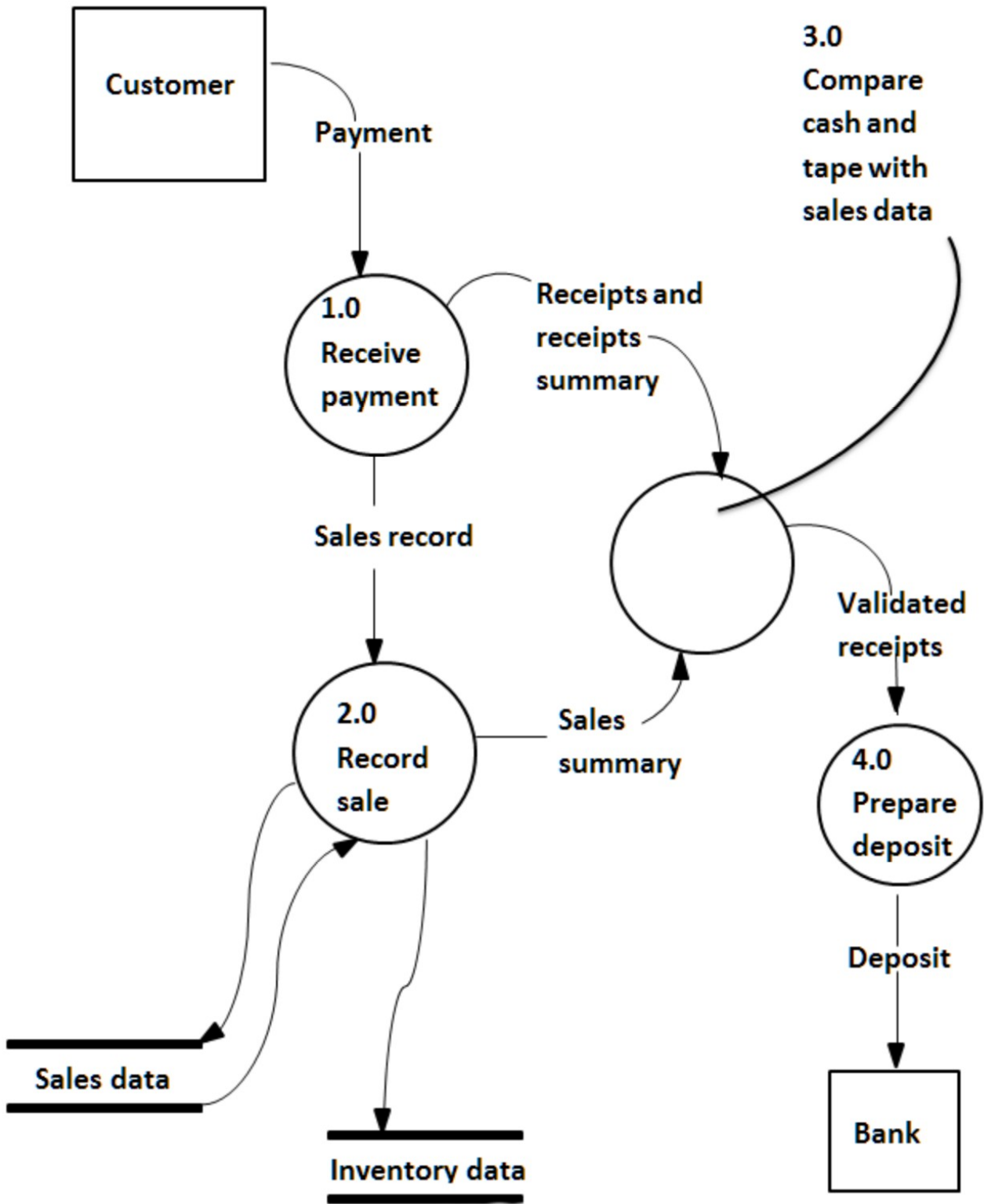


Figure 4.2: Cost to Fix an Error or Make a Change during the SDLC



An example of a logical data flow diagram (DFD)



An example of a Logical DFD

Table 4.1:

| Physical Requirements Used in Systems Selection | | |
|---|--|---|
| Data Requirements: | Operations Requirements: | Management Requirements: |
| <ul style="list-style-type: none">• Database size, growth, activity, access requirements, and update frequency• Event volume and expected growth, and sources (internal, external) | <ul style="list-style-type: none">• Peripherals, such as printers, scanners, or PCs• Communications (LANs, Internet, security requirements)• Backup and security• Output distribution, uses, media, and formats | <ul style="list-style-type: none">• Processing approaches (distributed, centralized)• Reliability (e.g., mean time between failure)• Response time requirements |