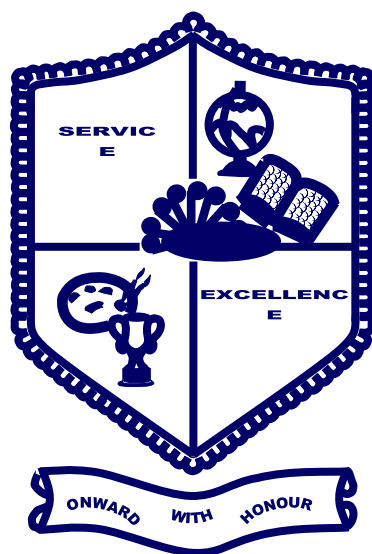


PIONEER COLLEGE OF ARTS AND SCIENCE

JOTHIPURAM, COIMBATORE – 641 047



SOFTWARE PROJECT MANAGEMENT LAB

PRACTICAL RECORD NOTE

2019-2020

PIONEER COLLEGE OF ARTS AND SCIENCE

JOTHIPURAM, COIMBATORE – 641047

BONAFIDE CERTIFICATE

NAME :

REG.NO :

*This is to certify that Mr. / Ms.has
submitted his/her Record Note Book of **Software Project Management Lab** for the Practical
Examination held on for the academic year 2019-2020.*

FACULTY IN-CHARGE

HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

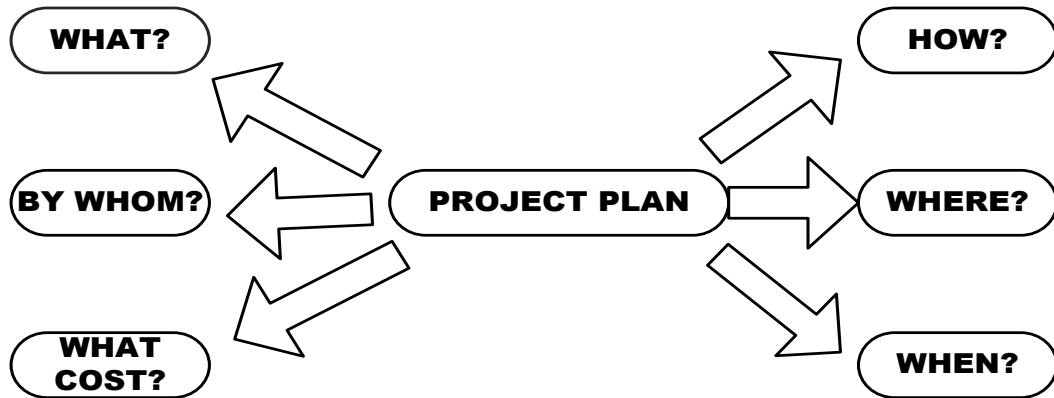
EXTERNAL EXAMINER

INDEX

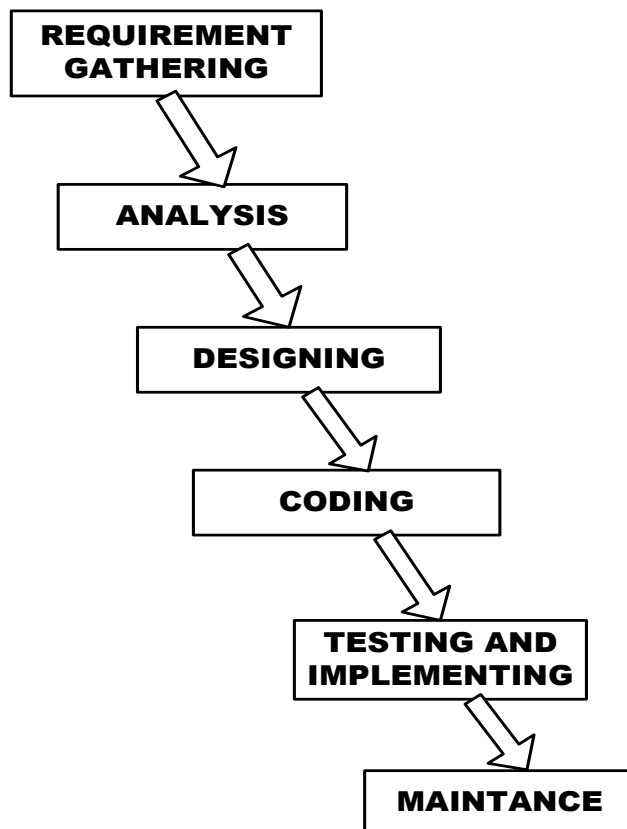
SOFTWARE PROJECT MANAGEMENT LAB

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3	COST ESTIMATION MODEL	
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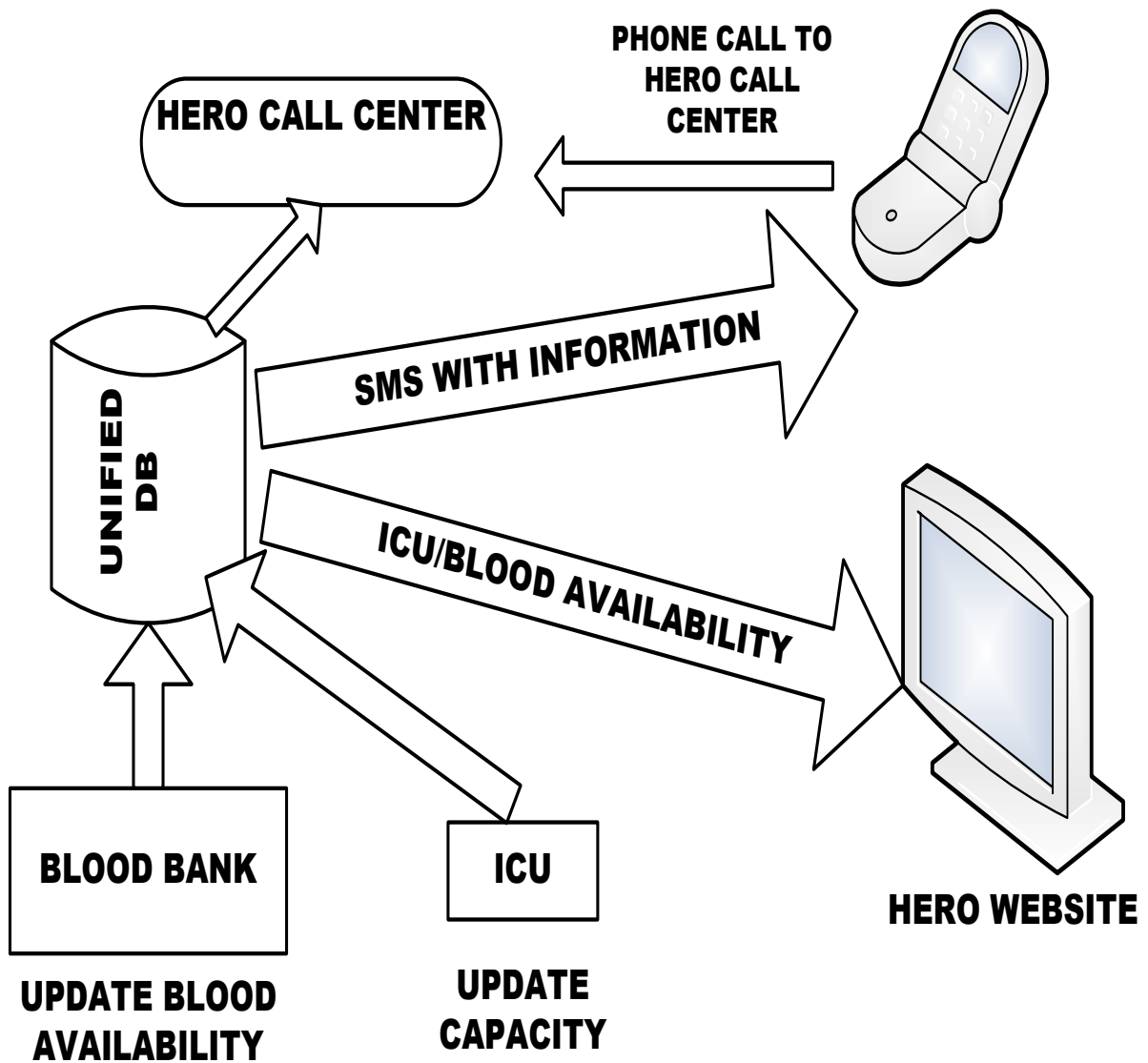
1.PROJECT MANAGEMENT PLAN



PROJECT PLANNING STEPS

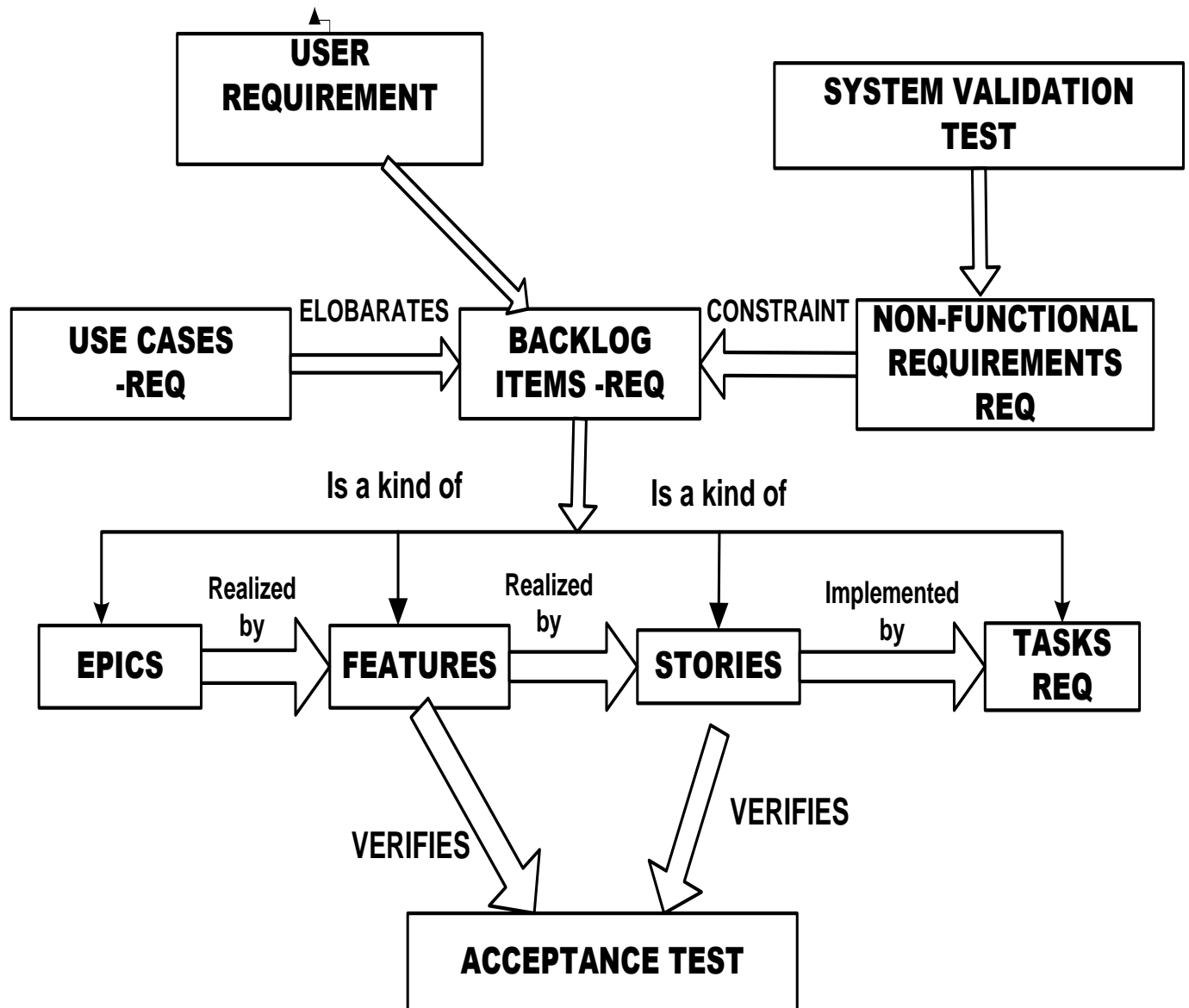


REAL TIME EXAMPLE



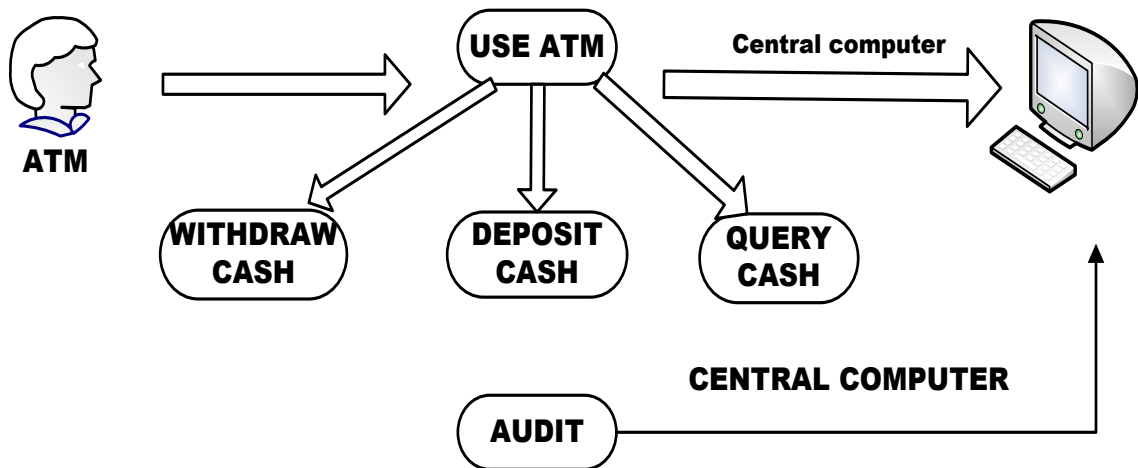
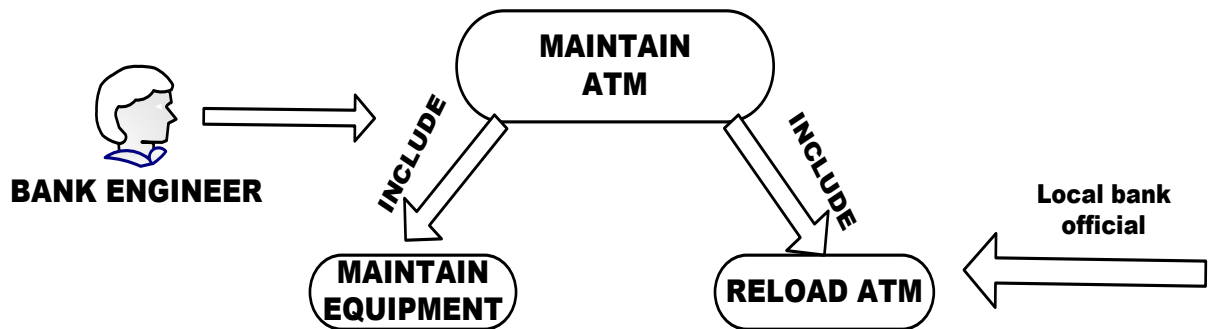
2.REQUIREMENT ANALYSIS AND SPECIFICATION

EXAMPLE: LIBRARY

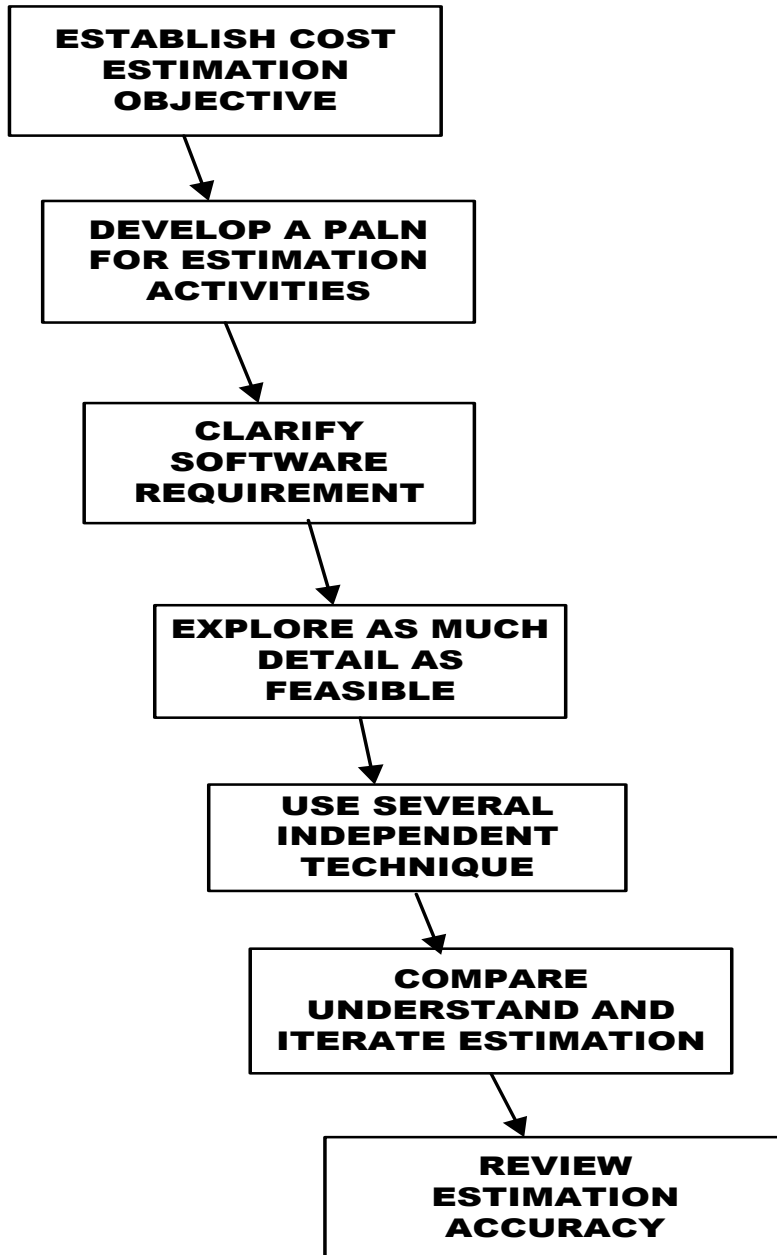


REQUIREMENT ANALYSIS AND SPECIFICATION

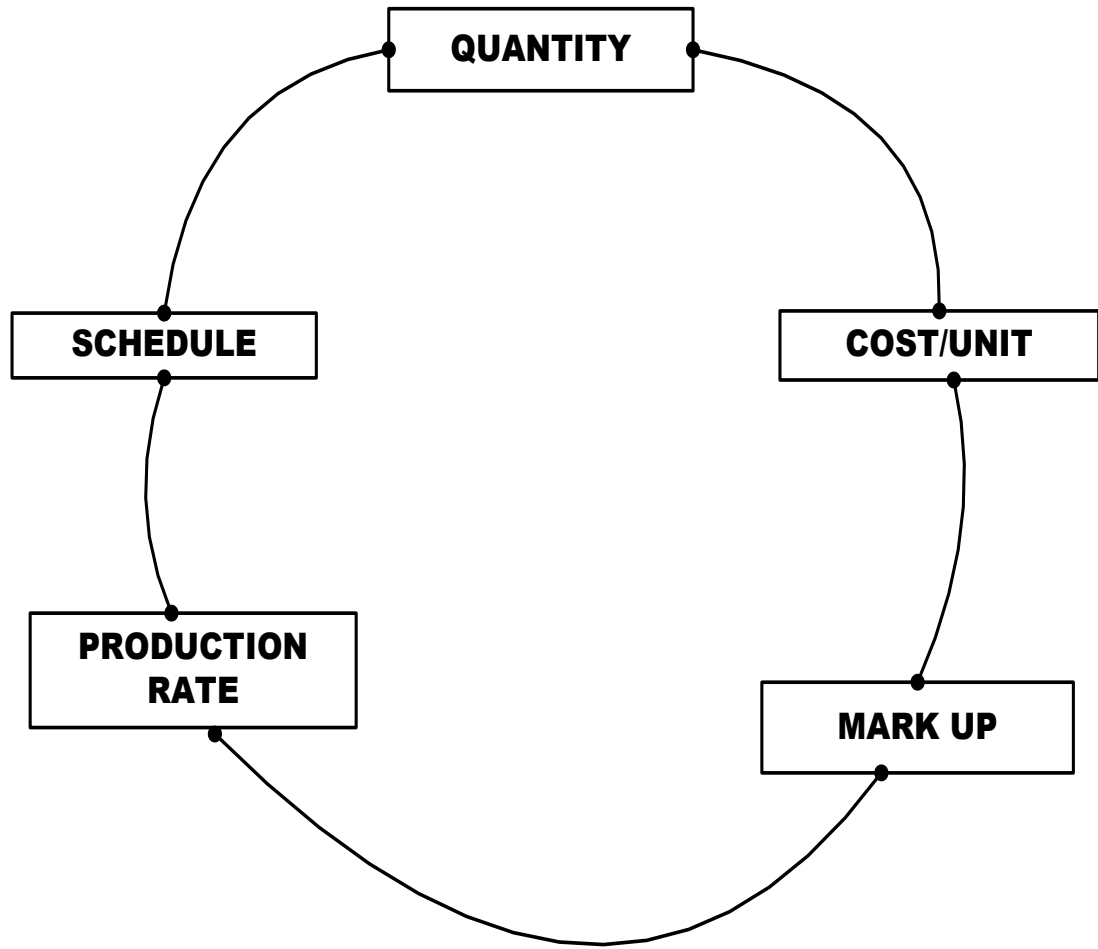
EXAMPLE: ATM



3.COST ESTIMATION MODEL



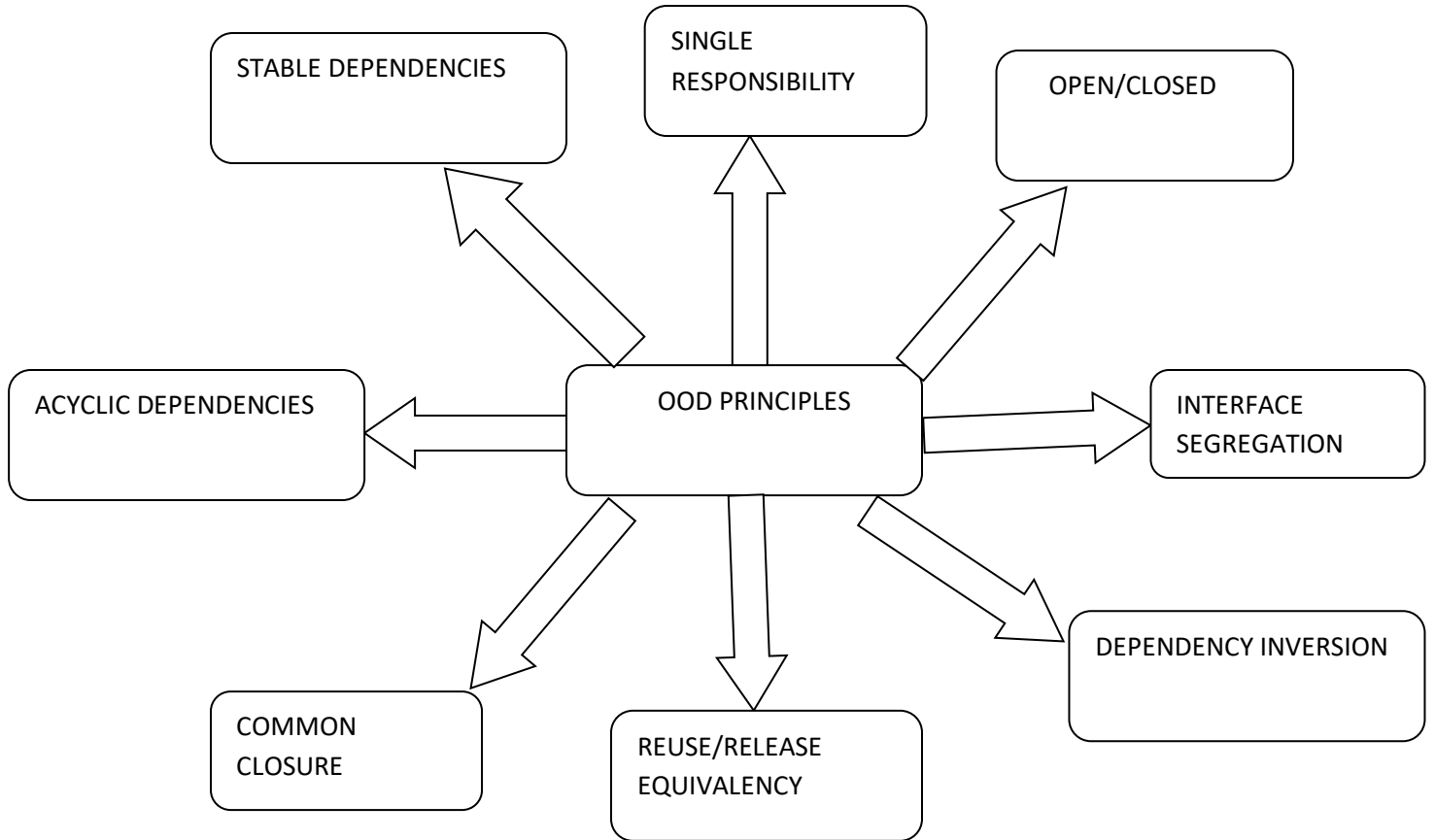
COST ESTIMATION



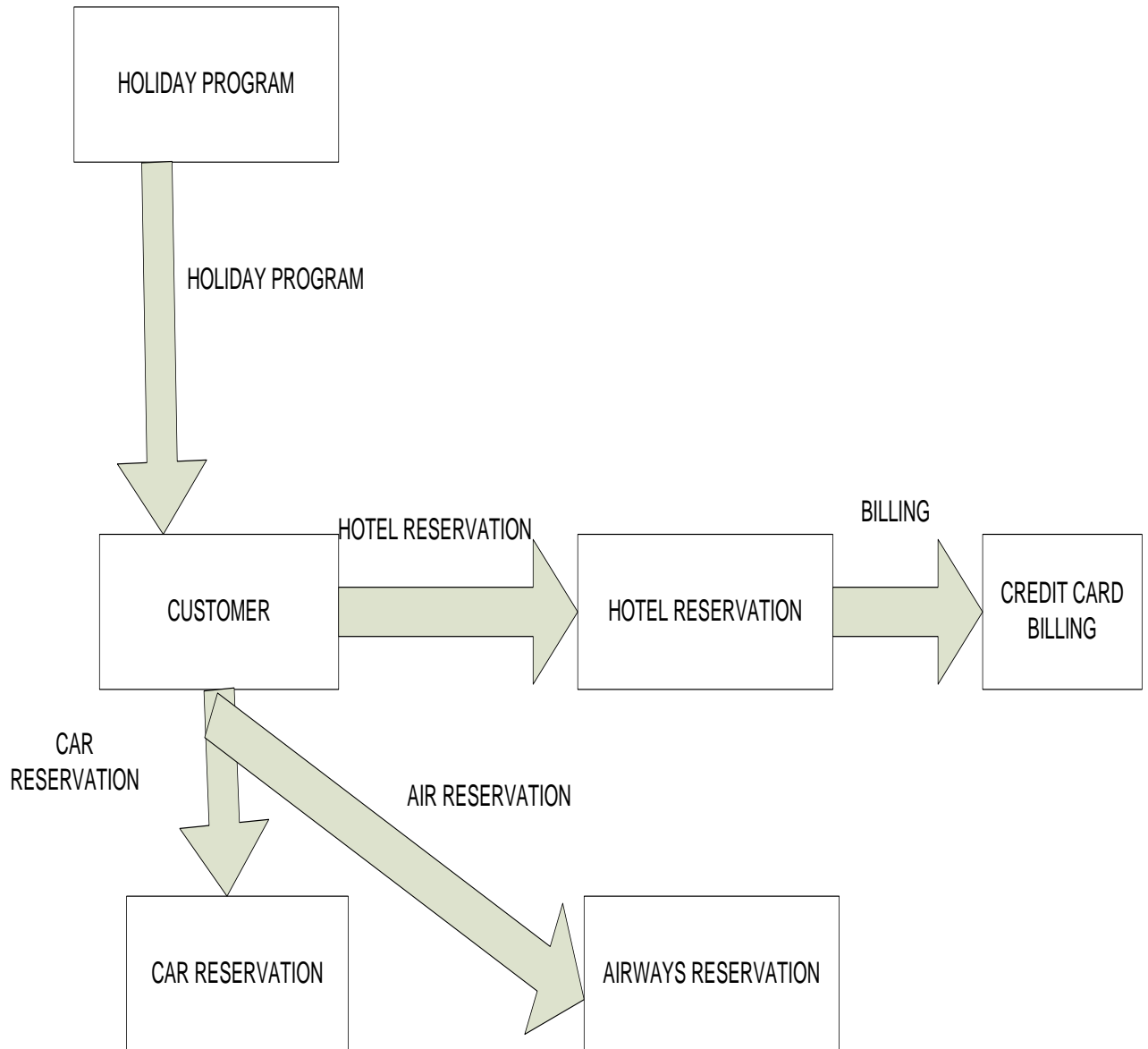
$$\text{QUANTITY} \times \text{COST/UNIT} + \text{MARK UP} = \text{COST}$$

$$\text{QUANTITY} \times \text{PRODUCTION RATE} + \text{LOCATION} = \text{SCHEDULE}$$

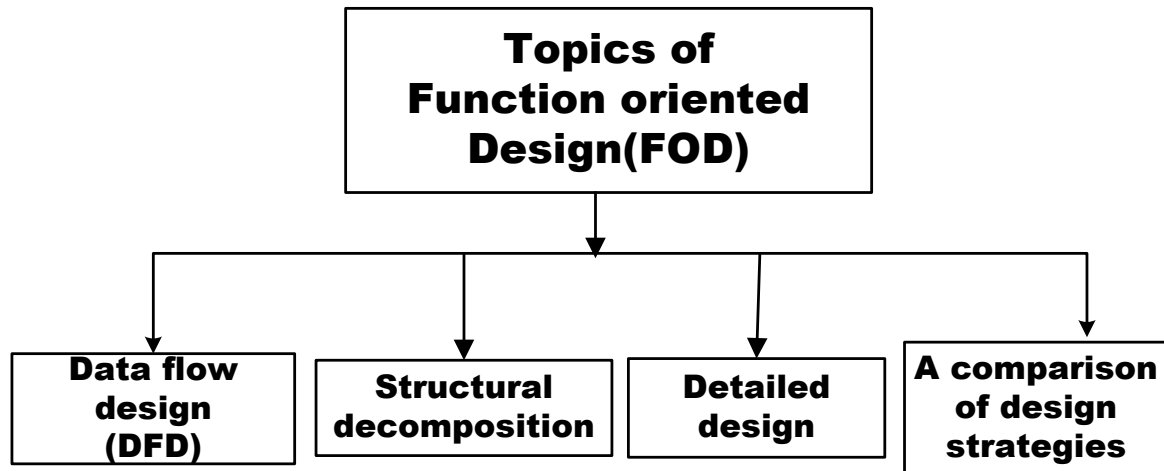
4. OBJECT ORIENTED DESIGN PRINCIPLES



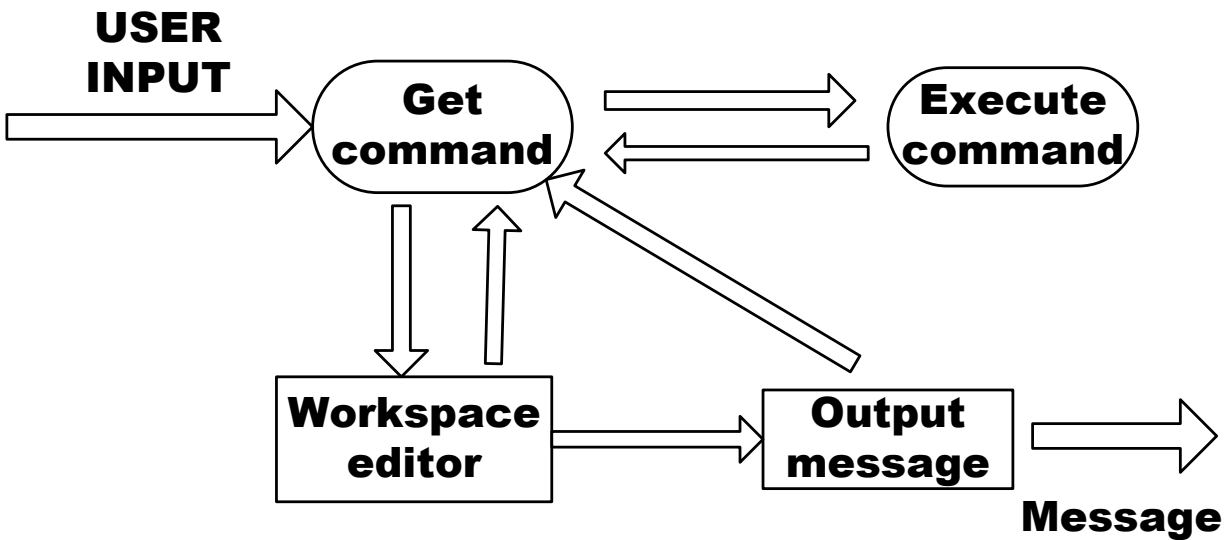
Real time Example



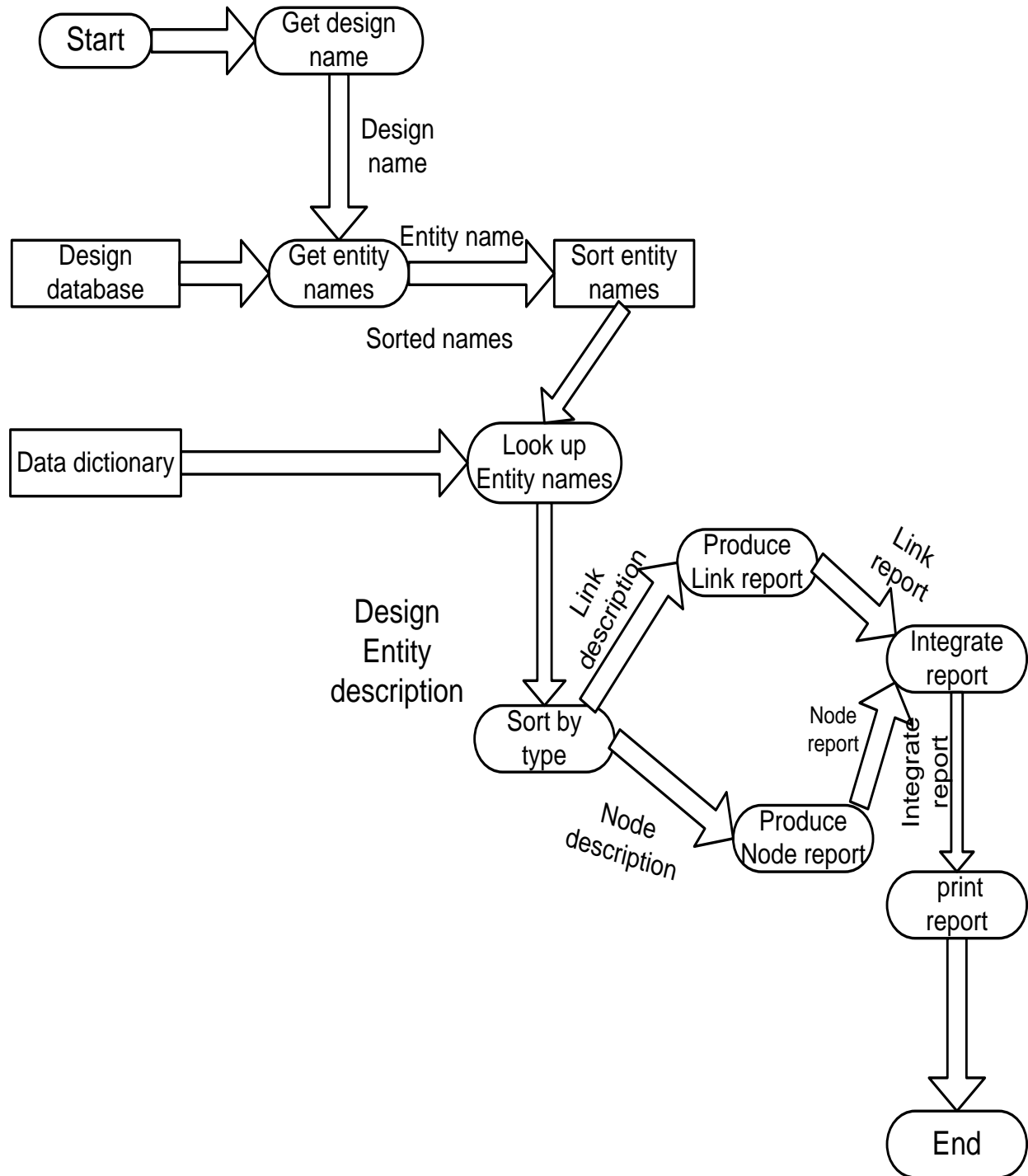
5.FUNCTION ORIENTED DESIGN



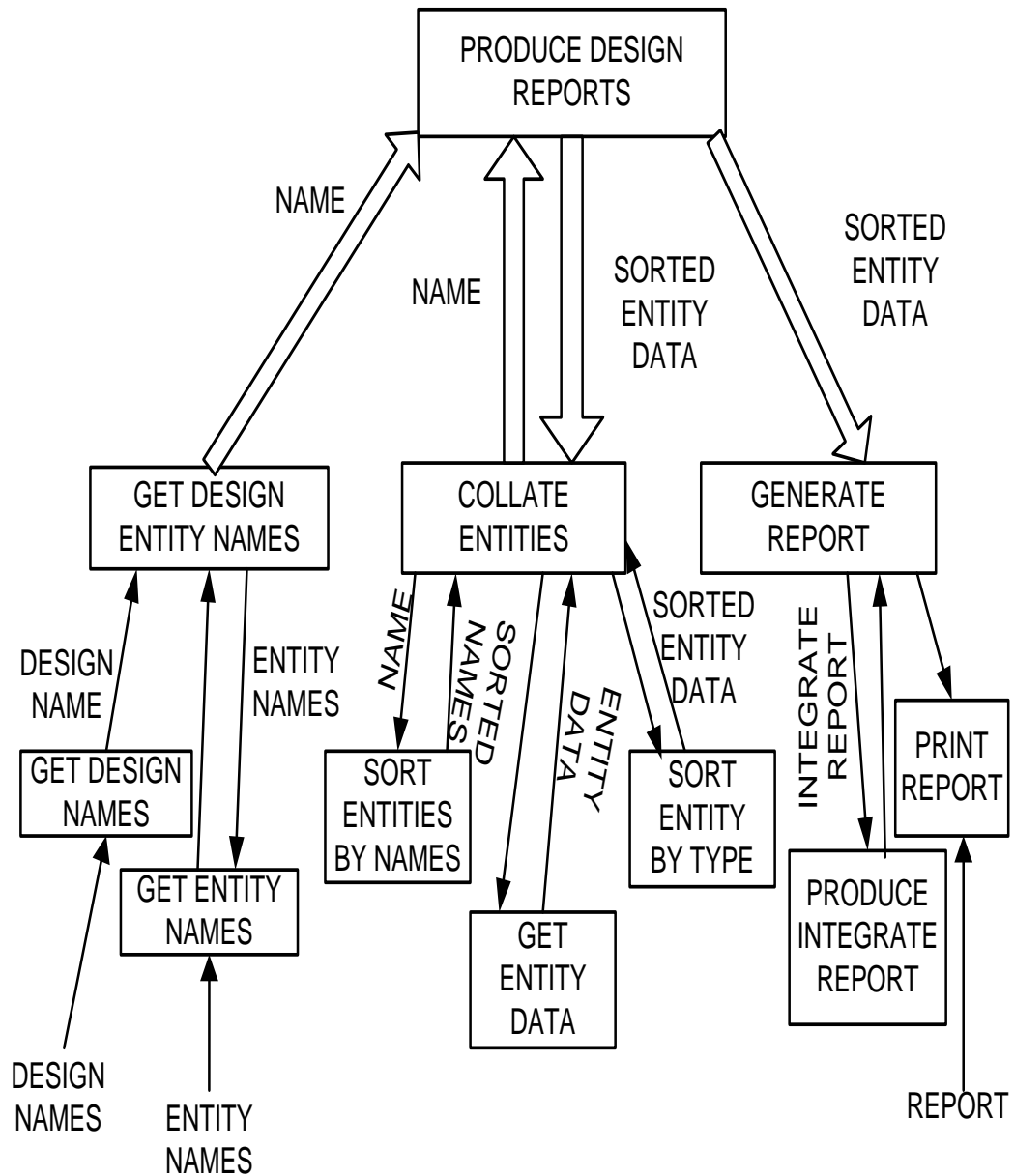
A COMPARISON OF DESIGN STRATEGIES



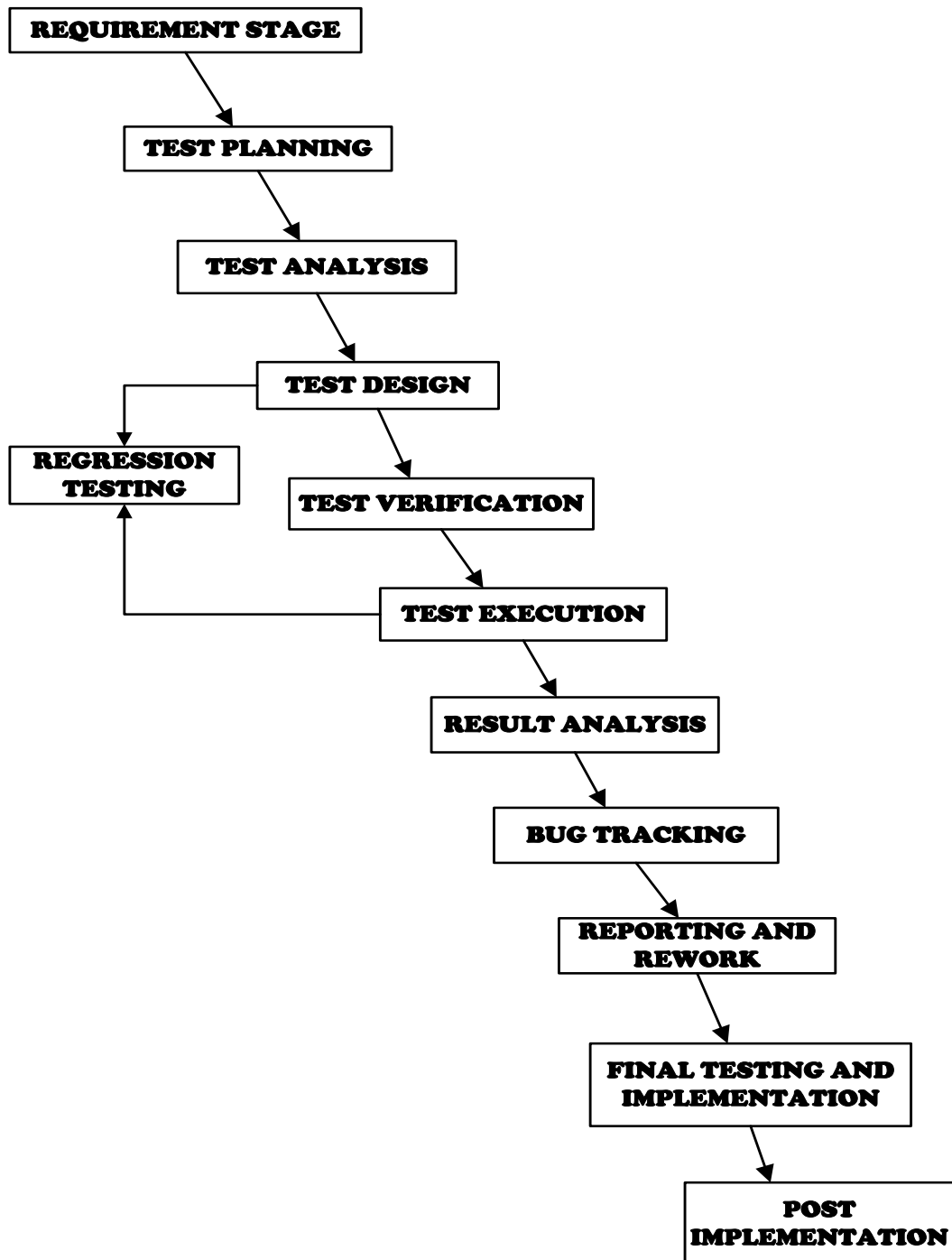
DATA FLOW DIAGRAM



STRUCTURAL DECOMPOSITION

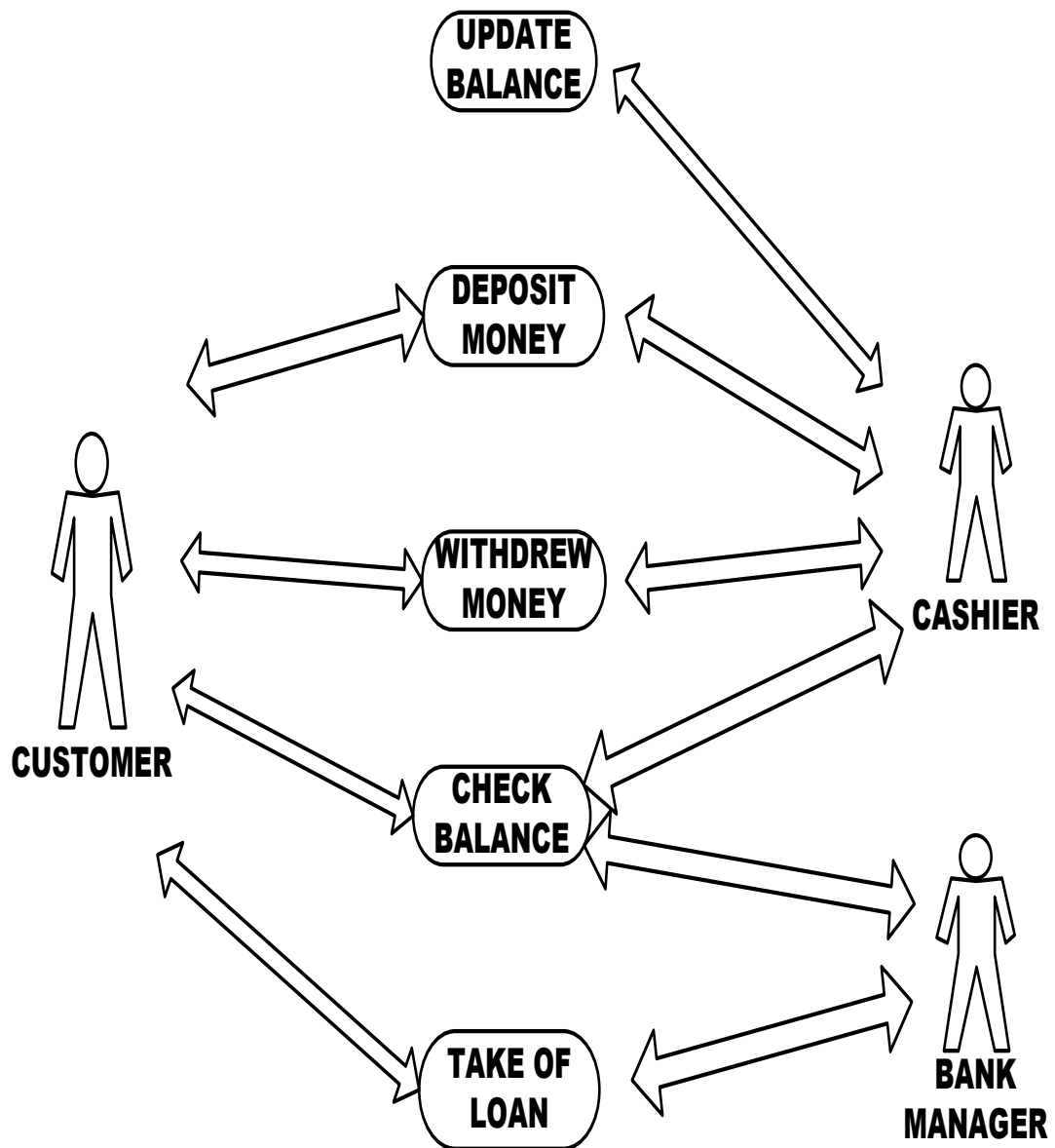


6.S/W DOCUMENTATION FOR ANALYSIS PHASE

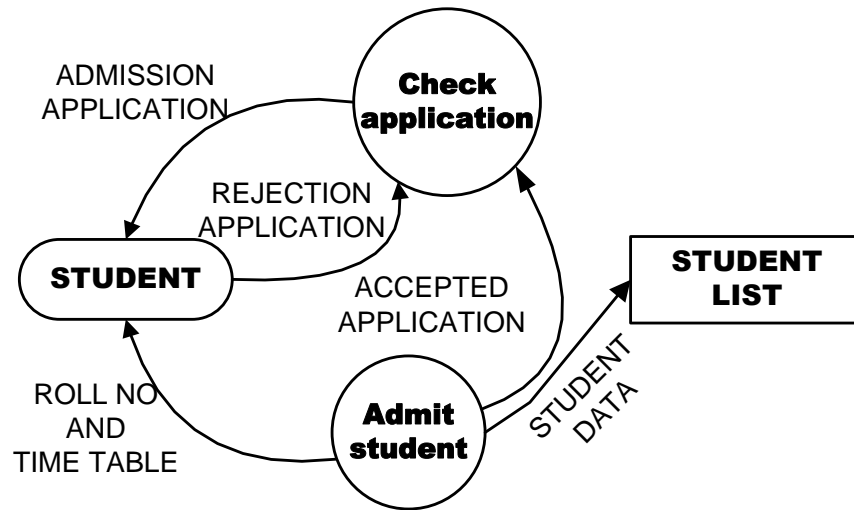


ANALYSIS PHASE

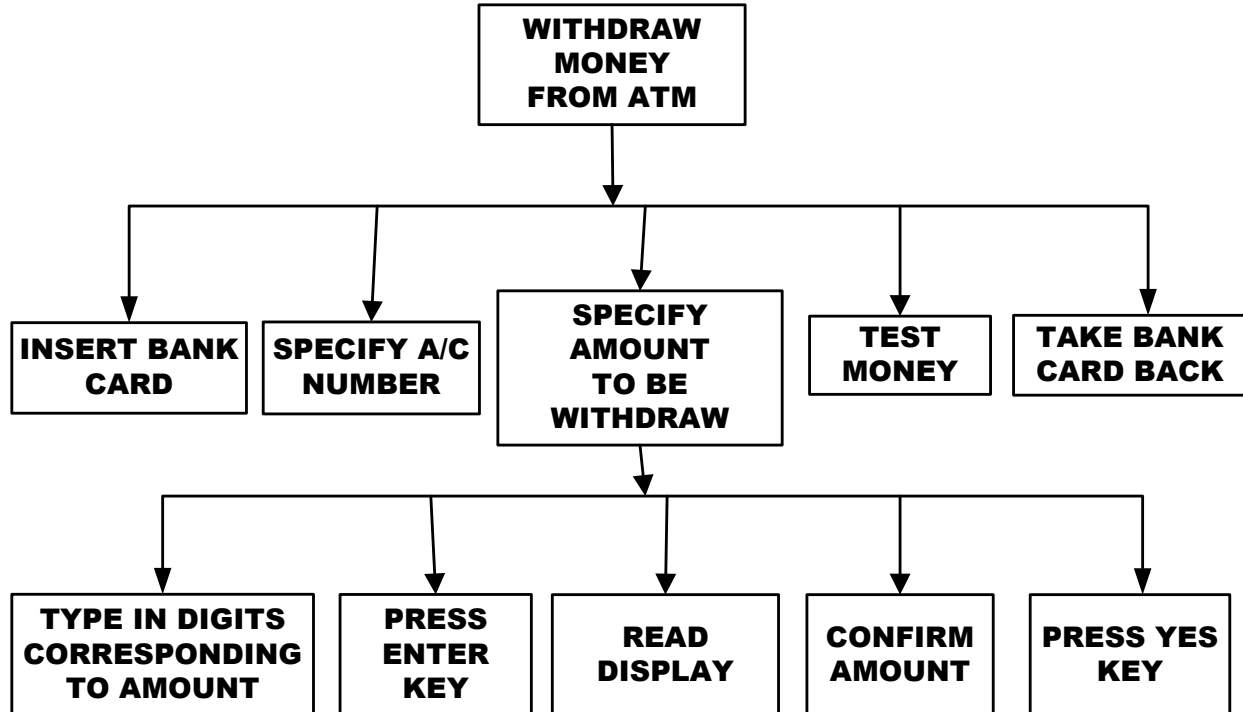
EXAMPLE: BANK



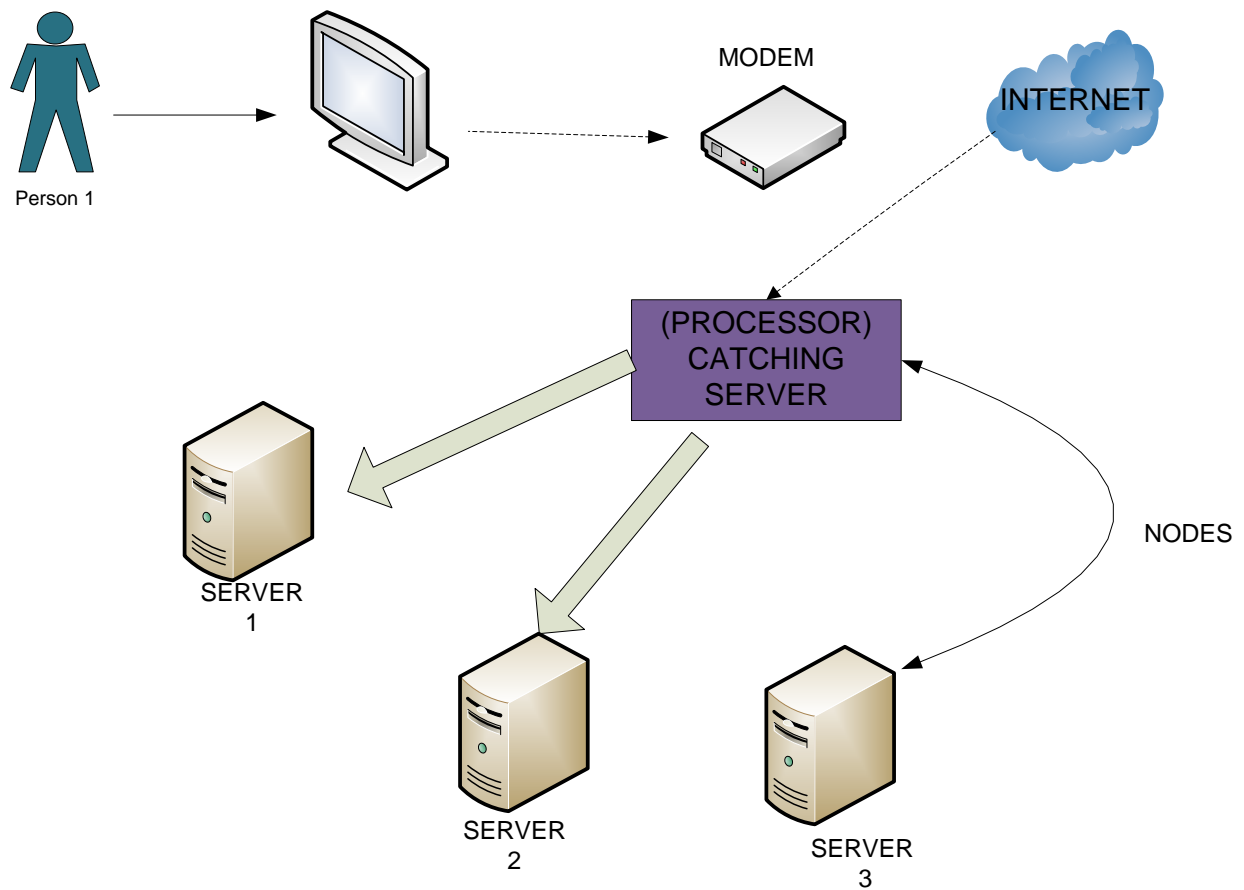
DFD : ADMISSION SYSTEM OF COLLEGE



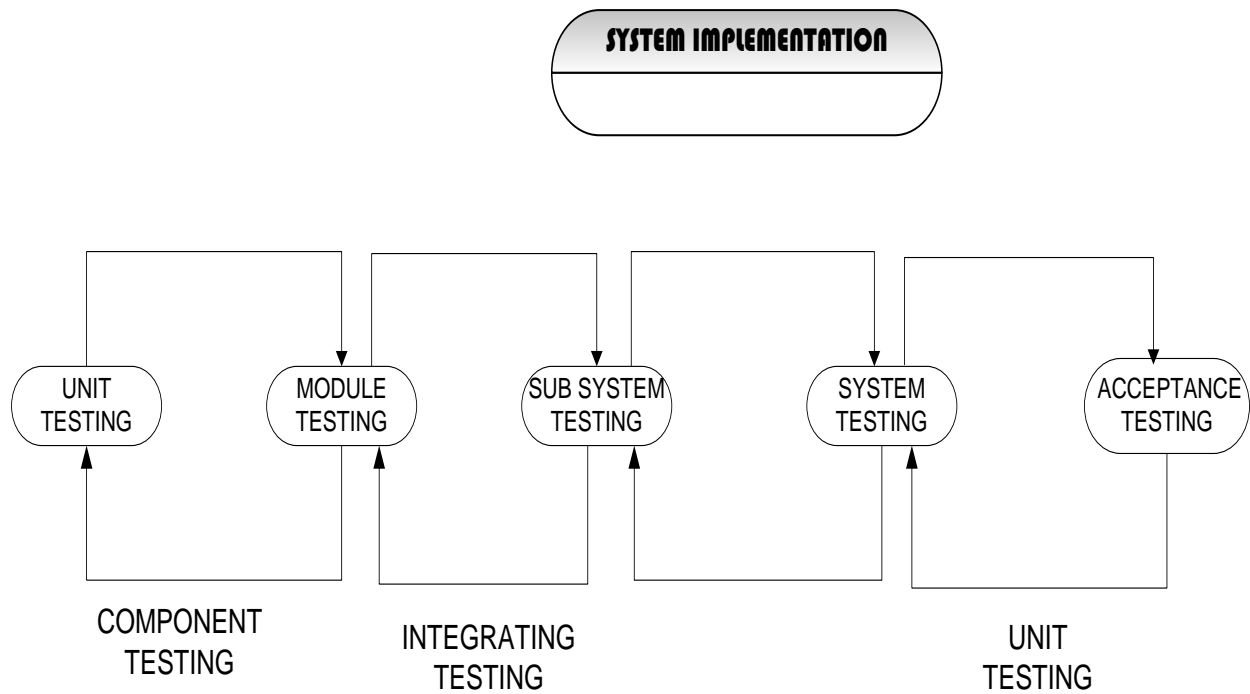
ANALYSIS PHASE OF ATM SYSTEM



7. SOFTWARE DOCUMENTATION FOR THE DEVELOPMENT PHASE

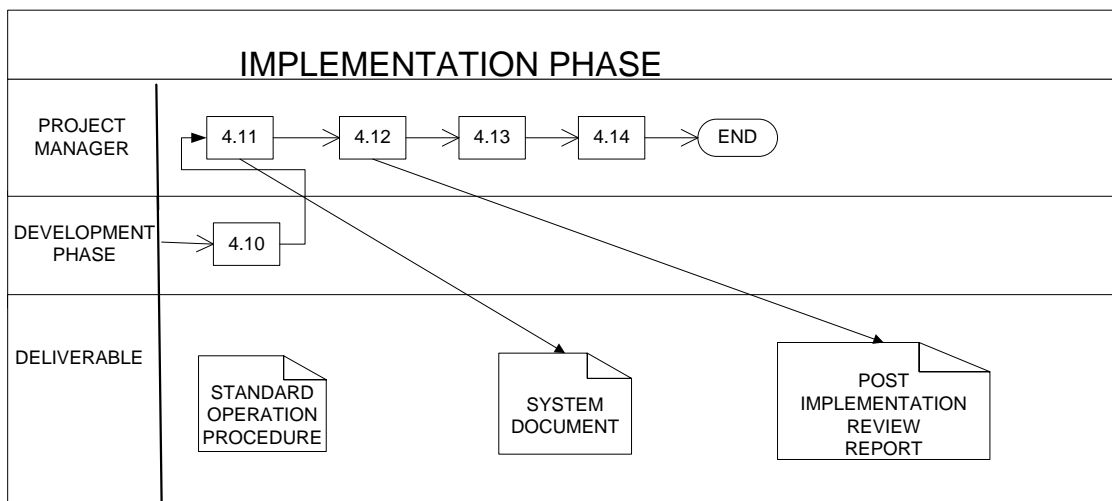
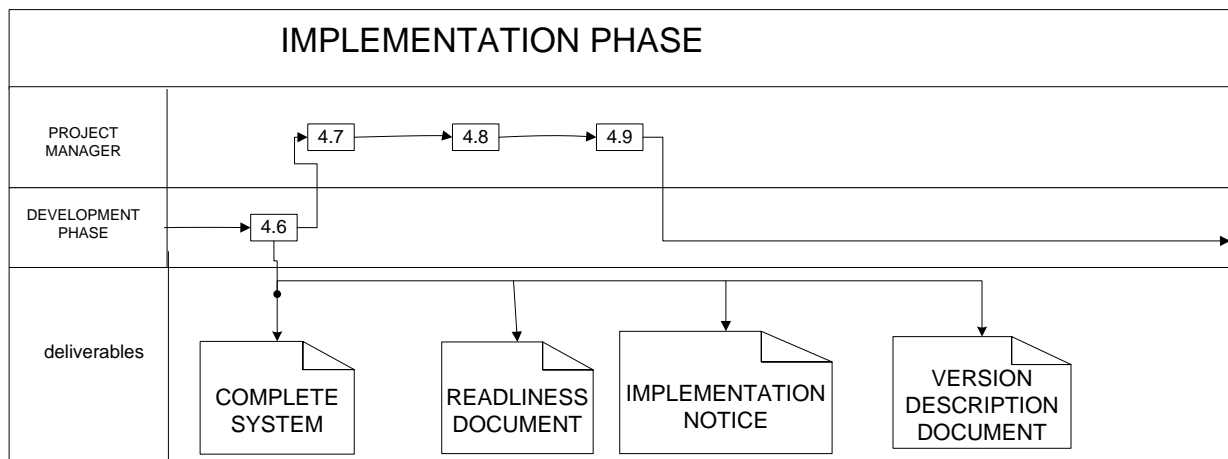
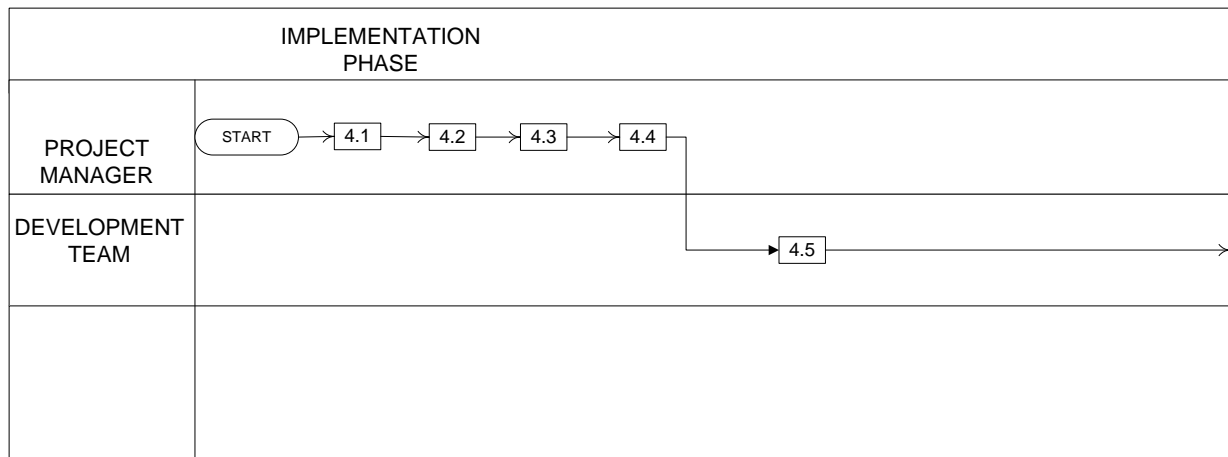


8. SOFTWARE DOCUMENTATION FOR THE IMPLEMENTATION PHASE



PHASE IMPLEMENTATION	DELIVERABLE CODE
	CRITICAL ERROR REMOVAL

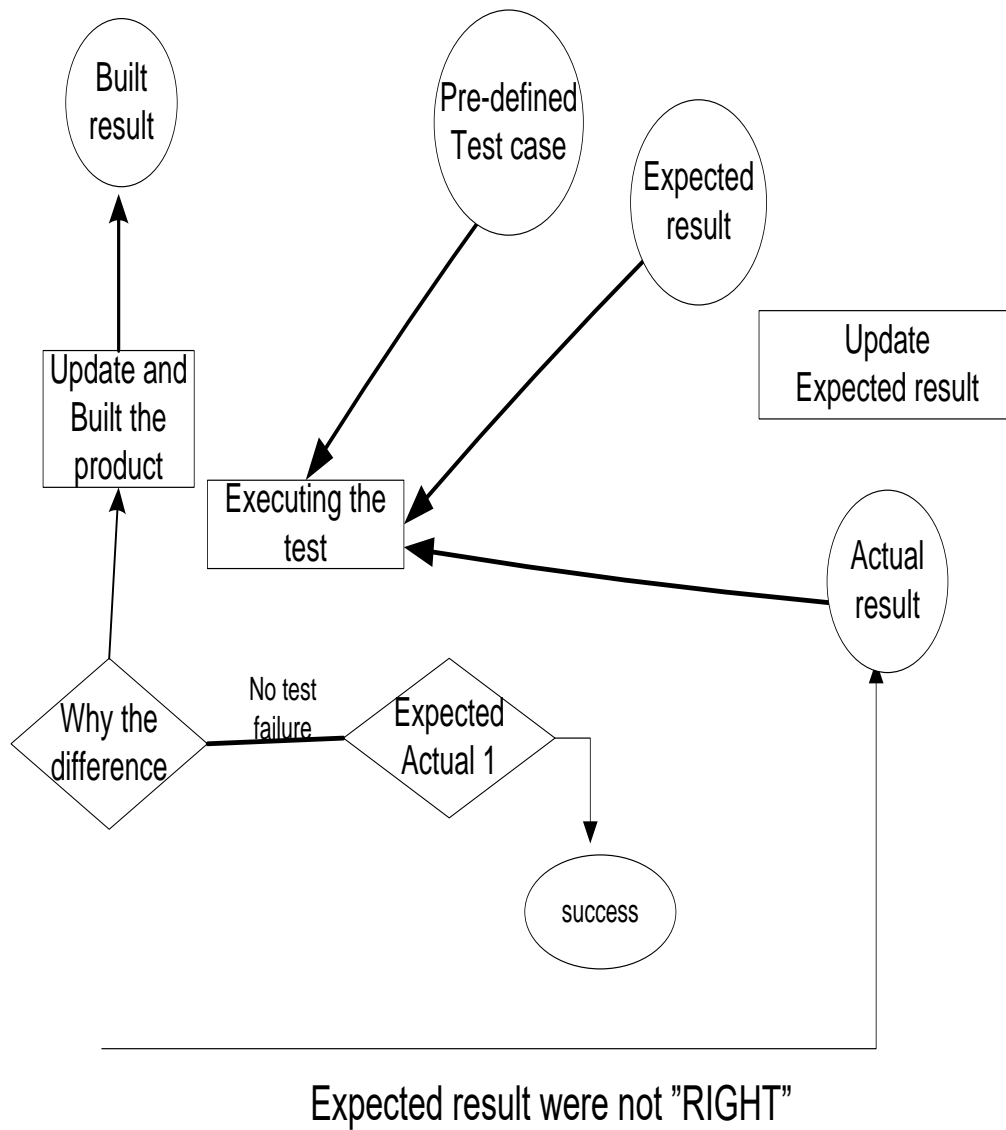
REAL TIME EXAMPLE



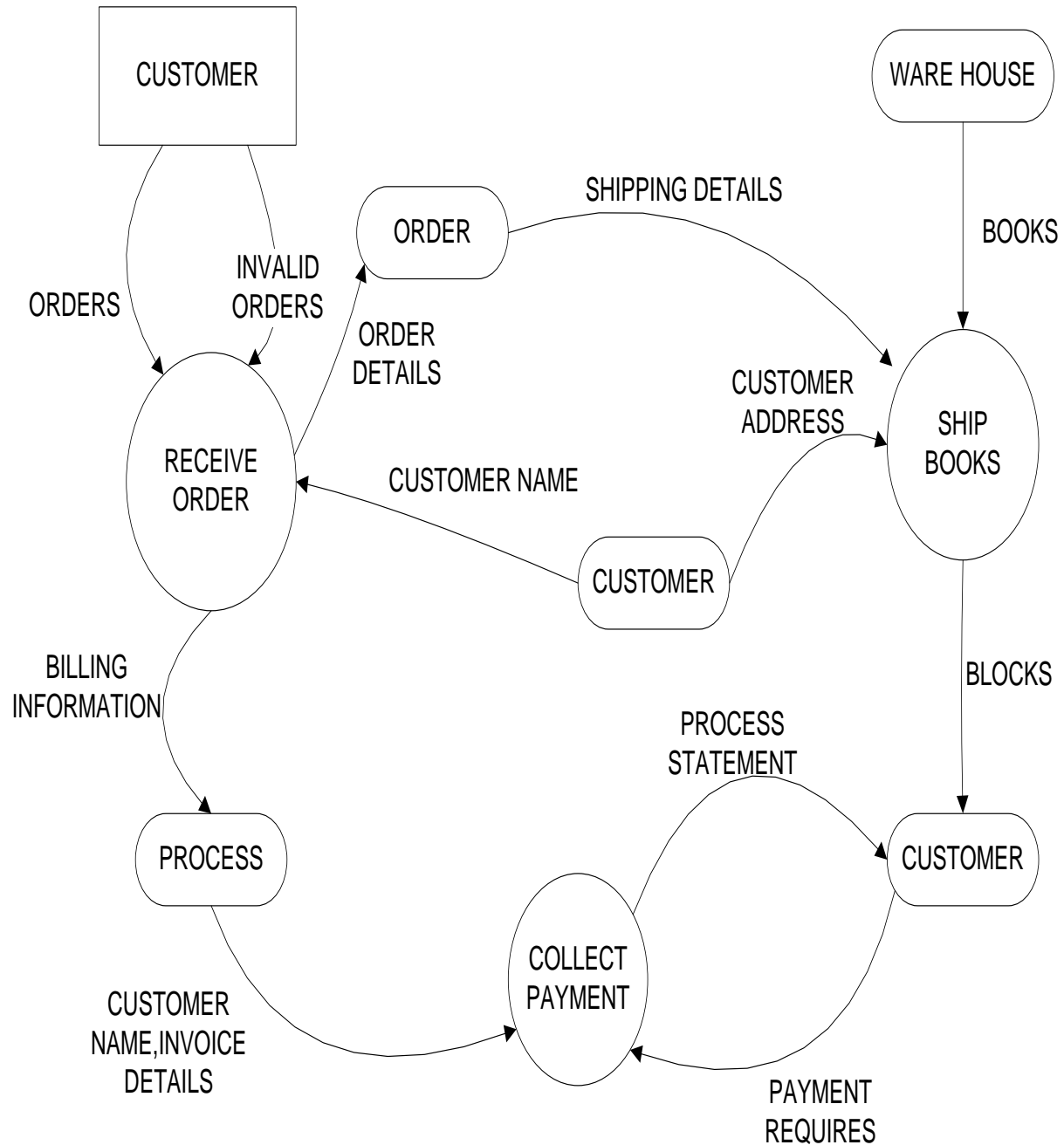
- 4.1=>review phase pre-requisites
- 4.2=>monitor project performance
- 4.3=>update project management plan and communication plan
- 4.4=>perform risk management activities
- 4.5=>initiate implementation activities
- 4.6=>deploy system in production environment
- 4.7=>send change implementation notice
- 4.8=>review security plan
- 4.9=>execute the training plan
- 4.10=>develop the standard operating procedure
- 4.11=>confirm system documentation completeness
- 4.12=>conduct post-implementation review
- 4.13=>perform phase-closure activities
- 4.14=>perform project close-out activities

LAB – 9

SOFTWARE DEVELOPMENT FOR TESTING PHASE

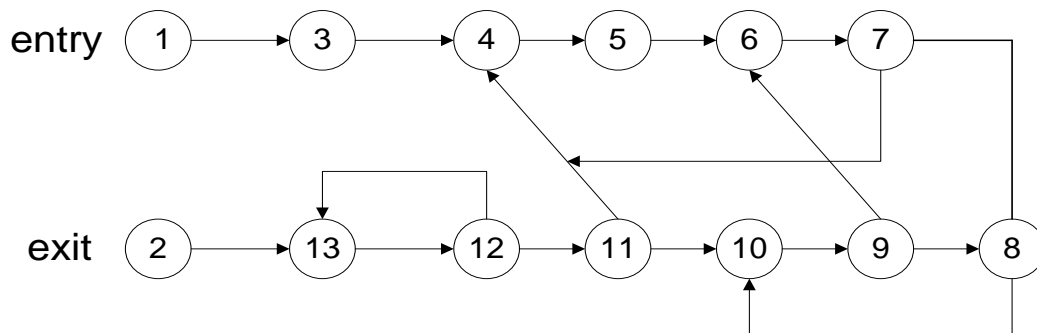


(Eg) INVENTORY

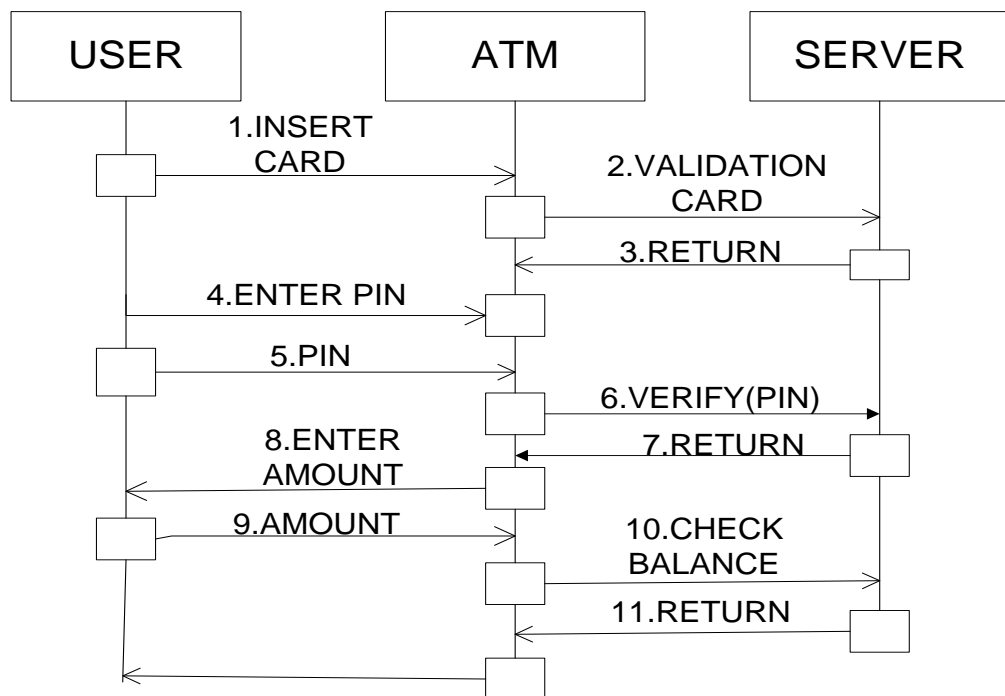


10.PATH TESTING PRINCIPLES

short path from entry to exit

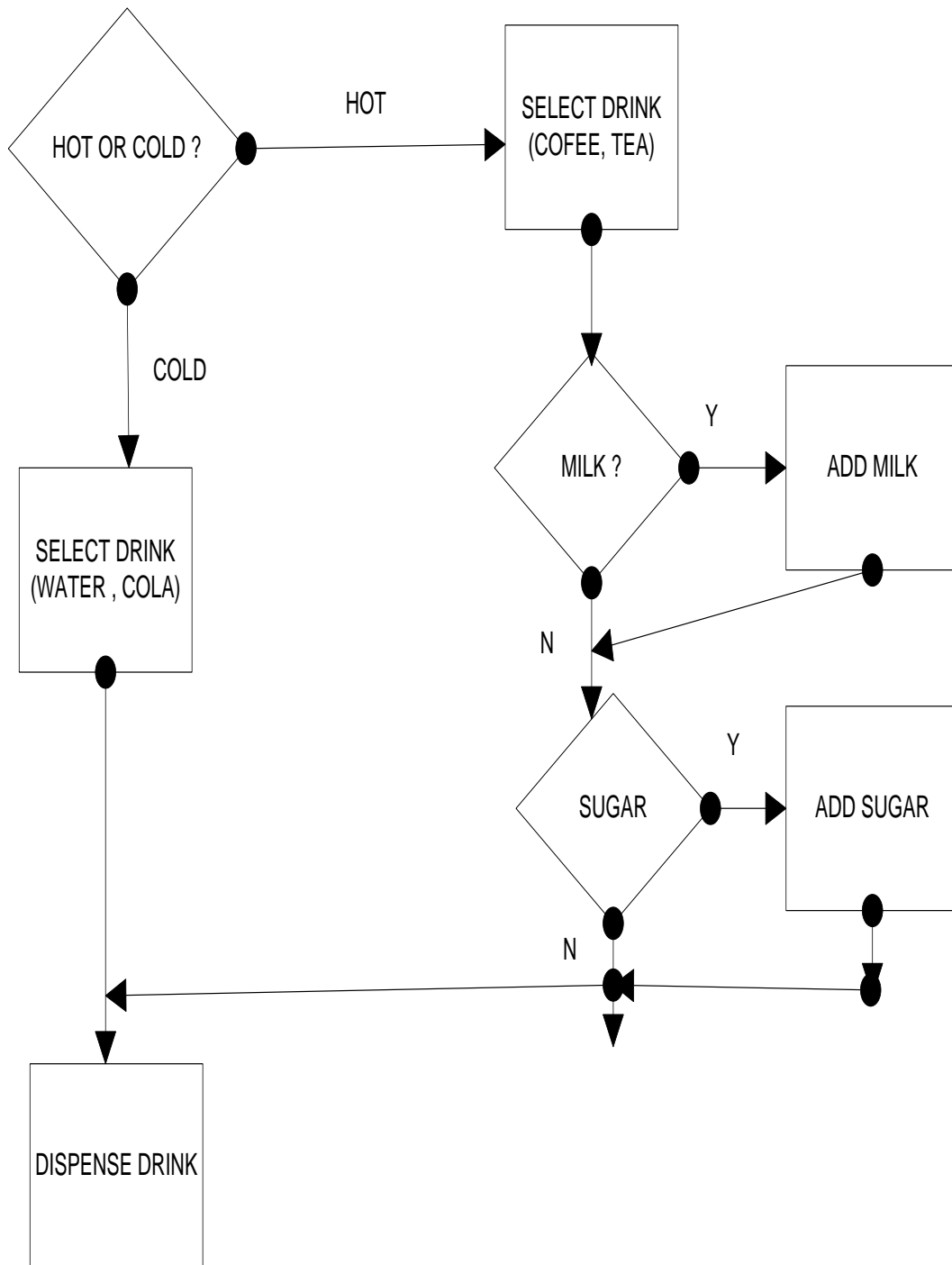


ATM SEQUENCE DIAGRAM (USE CASE DIAGRAM)



11.TESTING BASED ON CONTROL STRUCTURES

CONTROL FLOW DIAGRAM FOR DRINKS DISPENSER



12. REFLECT BLACKBOX TESTING

OLTP-ONLINE TRANSACTION PROCESSING

