ATM MACHINE SOFTWARE

INTRODUCTION

- An Automated Teller Machine (ATM) allows customers to perform banking transactions anywhere and at anytime without the need of human teller.

- By using a debit or ATM card at an ATM, individuals can withdraw cash from checking or savings accounts, make a deposit or transfer money from one account to another or perform other functions.

- You can also get cash advances using a credit card at an ATM.

PROCESS OF ATM TRANSACTION

- . First, the client will insert his/her client card in the ATM and then the ATM will ask for a Personal Identification   Number (PIN) ,

- if the number is entered incorrectly several times in a row, most ATMs will retain the card as a security precaution   to prevent an unauthorised   user from working out the PIN by pure guesswork.

- Once the correct PIN is given, the ATM will ask for the amount   of money to be withdrawn.

Continued ....

- If the amount is available and if the client has enough money on his credit then the said amount of money will be paid.

- Whether the amount of money is payable or not, i.e. the ATM has enough cash but could be the case the ATM has no change for that amount, will be also checked.

- Once the money is offered to the client a countdown is started, i.e. the client has a determined amount of time to pick up the money.

- If this timeout is over, the money will be collected by the ATM and the transaction will be rolled.

HARDWARE   REQUIREMENT

- The Ram memory requirement   is 256 MB (Minimum) / 512 MB (Recommendable)

- The Hard Disk free space requirement   is 200 MB
- Pentium   4 processor   IGhz.

SOFTWARE REQUIREMENT

- The Operating System on which this software can run easily, Windows XP/Vista/7

•JDBC connection
ECLIPSE
MYSQL

NEED OF PROJECT

- An automatic teller machine increases existing business. The typical ATM customer will spend 20-25% more than a non-ATM customer, according to research conducted by AT&T Global Information Solutions.

- An automatic teller machine generates new business. Customers are more likely to seek out a location with an automatic teller machine, in addition to convenience, there are a number of safety benefits associated with an in-store automatic teller machine, according to survey results published in Petroleum Marketer magazine.

- An automatic teller machine provides additional revenue streams. Each ATM withdrawal transaction generates surcharge ("convenience fee") income for the owner of the automatic teller machine.
- Additionally, an automatic teller machine can provide revenue from on-screen advertising, couponing, and alternative media (e.g., prepaid phone-cards, postage stamps) dispensing opportunities.

- An automatic teller machine reduces risk and lowers costs. Having an automatic teller machine on the premises can reduce the number of bad checks and cut credit card expenses because customers have the option of withdrawing cash instead.
- An automatic teller machine pays for itself. With break-even points below 100 transactions per month, even a low traffic location can more than pay for an automatic teller machine from surcharge revenues alone

ER DIAGRAM

DATA FLOW DIAGRAMS

ATM: DFD level 0
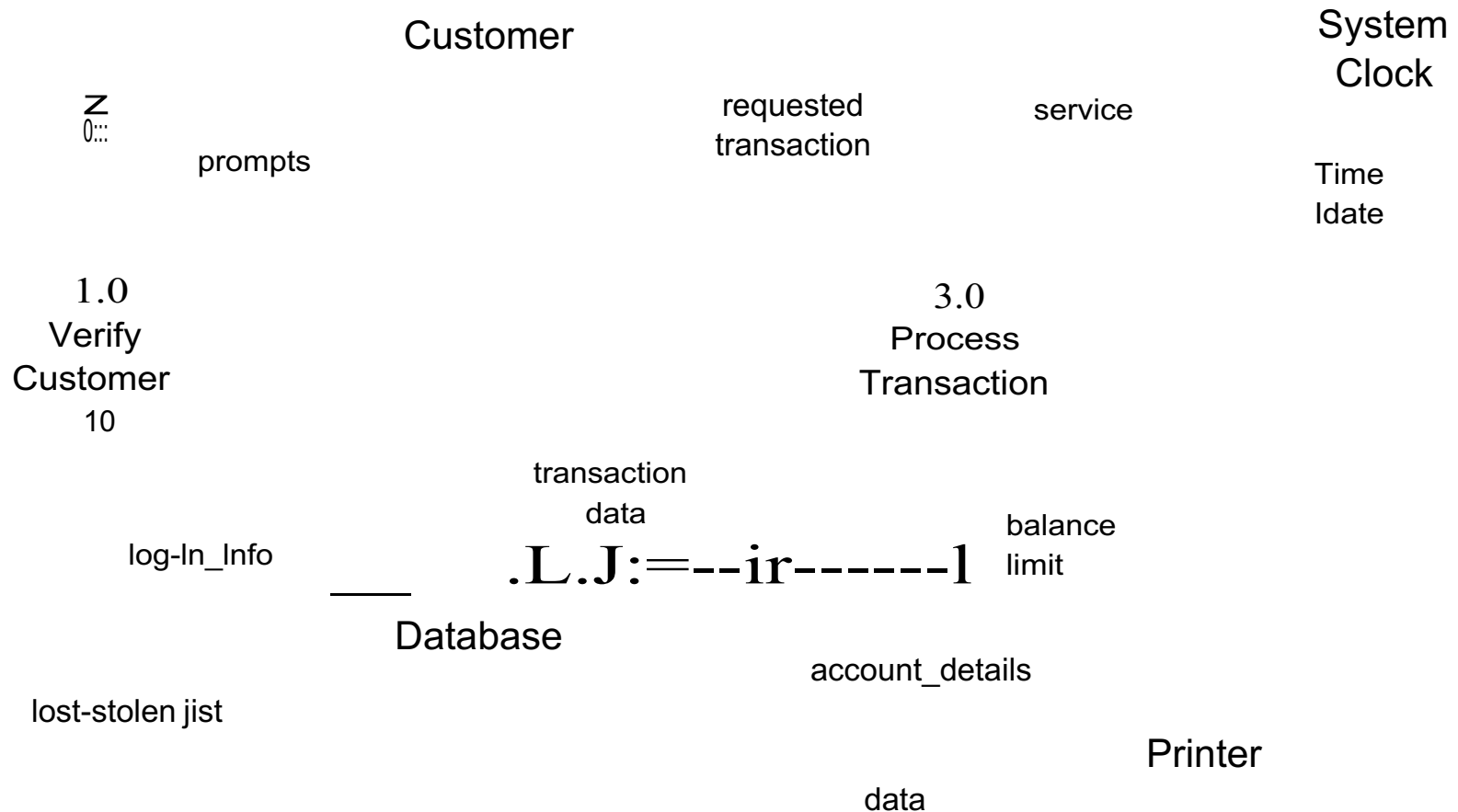
Context Diagram

Date-rime

System
Clock

Printer

Cusl-info

Rcccipt-dct ai ls

Customer

Pro

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AT . DFD Levell

Customer

System Clock

requested transaction

service

prompts

Time Idate

1.0
Verify Customer

3.0
Process Transaction

10

transaction data

log-ln_Info

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balance limit

Database

account_details

lost-stolen jist

Printer

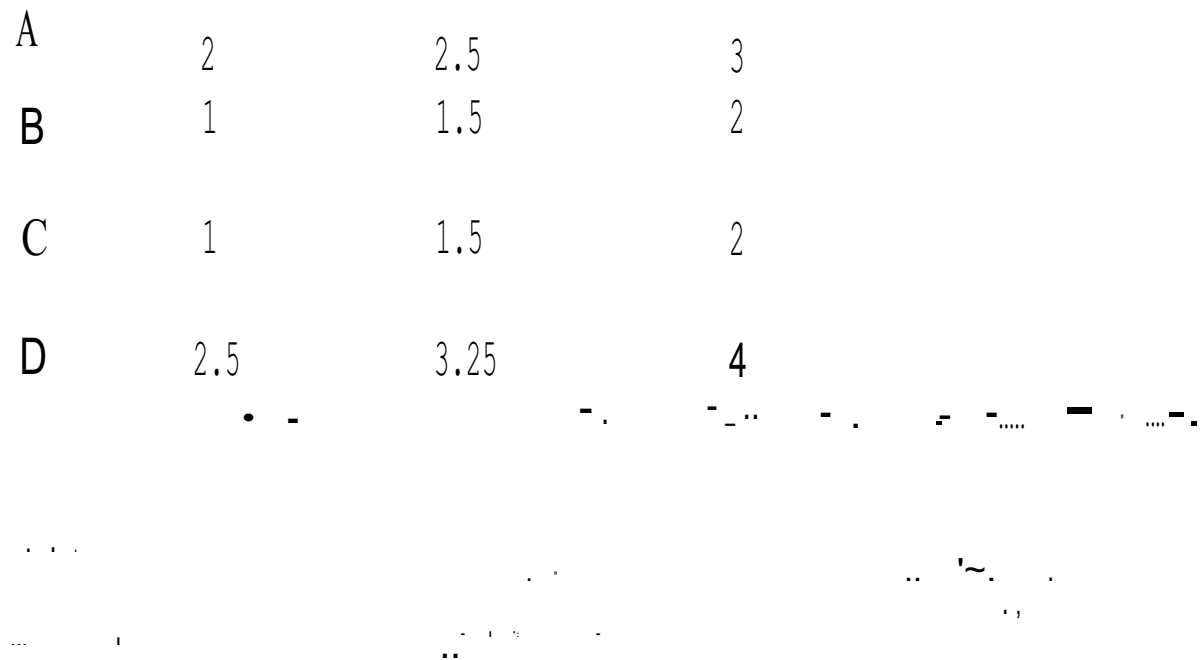data

GANTT CHART OF ATM MACHINE

- A= OVERALL SYSTEM DESIGN
- B= SPECIFY MODULE 1
- C= SPECIFY MODULE 2
- 0=   CODING OF MODULE 1
- E= CODING OF MODULE 2
- F= INTEGRATED SYSTEM TESTING

PERT CHART

A	2	2.5	3
B	1	1.5	2
C	1	1.5	2
D	2.5	3.25	**4**

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THANI<YOU!