Atm schematic

are preferred in place. The operating cost of these machines is very high. The dial-up ATMs connect to the host processor through a normal phone line using a modem. These require a normal connection their and their initial installation cost is very less. The operating cost of these machines is low compared with leased line machines. These ATM machines are arranged in locations wherever a bank branch is located. So, both the bank as well as ATM can be used physically for several purposes by being on-site. Many customers can utilize this to keep away from the queue lines at the branch of the bank so that time taken to finish their bank transactions can be reduced. These machines are arranged on a separate basis, which means that the bank has a place where there is only an ATM machine then this becomes an offsite ATM. This can be done to make sure that the bank reaches out to more geographical locations to utilize its services by the people even when there is no branch of the bank within the region. So these machines will operate outside of the bank locations. These ATMs are used especially for women. These ATMs are observed by protectors to make sure that only women are accessing or not so that women waiting in long queues can be reduced. There is no way to get the PIN from your card. It is encrypted by strong software like Triple data Encryption Slandered. The automated teller machine is simply a data terminal with two inputs and four output devices. These devices are interfaced with the processor. The processor is the heart of the ATM. All the ATMs working around the world are based on a centralized database system. The ATM has to connect and communicate with the host processor server. The host processor is communicating with the internet service provider ISP. It is the gateway through all the ATM networks available to the cardholder. When a cardholder wants to do an ATM transaction, the user provides necessary information through a card reader and keypad. The ATM forwards this information to the host processor. The host processor enters the transaction request to the cardholder bank. Once the funds are transferred from the customer account to the host processor bank account, the processor sends the approval code to the ATM and the authorized machine to dispense the cash. This is the way to get the amount on ATMs. The ATM network is fully based on a centralized database environment. This will make life easier and secure cash. The Automated teller machine is very simple to operate. The step by step algorithm for ATM operation is discussed below. At present, everyone goes to ATM centers frequently for different purposes like to withdraw, deposit, mini statement, pin change, etc. So for bank account holders, they allowed for five free transactions from their ATMs and three times from other bank ATMs. The ATM transactions not only include withdrawal but also include changing PIN numbers, balance inquiries, mini statements, etc. It charges for when we withdraw the amount. Every bank provides ATM cards for their bank account holders at the time of account opening without any charge. But, different banks will charge while using the ATMs for transactions when it exceeds a fixed number of transactions. For initial transactions, it will not charge for transactions. Now you have got an idea about how ATM works so if you have any queries on this topic or the electrical and electronic projects leave the comments below. Thank you for the useful knowledge. I want to acquire the skill to install and maintain ATMs, I will appreciate any further information in this area. Excellent I received the required information in a well defined manner henceforth if I require any latest information I would be contacting you only thanks.

Atm project 1. Asharul Isalm 2. Once their withdrawn was successful, the amount will be debited in their account. Net and back-end database as Ms-Access. Net is the one of the powerful version of Framework and object oriented programming. Hence we use this software in our project. The ATM will service one customer at a time. A customer will be required to enter ATM Card number, personal identification number PIN – both of which will be sent to the database for validation as part of each transaction. The customer will then be able to perform one or more transactions. Also customer must be able to make a balance inquiry of any account linked to the card. The ATM will communicate each transaction to the database and obtain verification that it was allowed by the database. In the case of a cash withdrawal, a second message will be sent after the transaction has been physically completed cash dispensed or envelope accepted. Introduction: Automated Teller Machine enables the clients of a bank to

have access to their account without going to the bank. This is achieved only by development the application using online concepts. When the product is implemented, the user who uses this product will be able to see all the information and services provided by the ATM, when he enters the necessary option and arguments. The product also provides services like request for cheques, deposit cash and other advanced requirement of the user. The data is stored in the database and is retrieved whenever necessary. The implementation needs ATM machine hardware to operate or similar simulated conditions can also be used to successfully use the developed product. To develop this ATM system the entire operation has been divided into the following step: 1. Banking services 4. Transactions 5. Special services The program is designed in such a way that the user has to card and pin number. When the option is entered alone with the respective argument, then the payment history is displayed on the screen. The user also must be given option to browse through the pages like previous page, next page, etc. The user may experience a delay in retrieving or viewing the data, when there are many users logged on to the same bank branch system. Problem definition : The system mainly used by the bank clients. When a client comes to ATM centre to update and delete their account. It reduces the time consumption and lot of paperwork. For any single operation it involves numerous references and updating also takes subsequent changes in other places. Evidence of problem definition: Now- a -days every one very busy in their work. So they feel that the job must be easier so the system is used to reduce their work which is done in the ATM system. Instead of keeping lots of paper into a record or file and it may be missed somewhere so, this system help to keep the record of the customer it also keeps the details of the customer. It is also easy to access. Proposed solution: The system customer transactions, satisfies the requirements of the existing system in full-fledged manner. Through this system, customer can make fast transactions and view the last transactions easily. Objectives: Our main objective is to speed up the transactions done by customers. No manual transactions needed generally, The second objective is to save the time which is very important now-a-days. System Requirements: 2. System Analysis : 3. Doing this manual transaction was really tedious job. Secondly information regarding accounts and transactions of customers were to be maintained. This process is time consuming and it requires a great manual effort. Feasibility study: 3. Technical feasibility: The system is being developed in Visual Basic 6. It provides comprehensive function to make it user friendly. The data entry and report generation is also made easy. Backup and restore of the database facility are also provided. It also provides easy retrieval of data. The machine configuration also supports this software. Social feasibility: As this system is user friendly and flexible some problems will also be solved which employee may be facing when using existing system. So we can say that system is socially feasible. Economical feasibility: The cost of converting from manual system to new automatic computerized system is not probably more. For construction of the new system, the rooms and its facilities are available so it does not require any extra resource, only the software requirement is there. Operation feasibility: Since the system is being in user friendly way, the new customers within a few time can master it. Design of new proposed system UML : This system provides paperless maintenance. Initially a cashier or an clerk can be appointed to do all the transaction and update and maintain records. In the new system the customer himself can do all the transaction and the computerized system automatically updates and maintains the records. System design: 4. Diagram design UML : 4. Use case diagram: Activity diagram: Sequence diagram: Collaboration diagram: 4. Class diagram: Diagram design DFD : 4. Level 0: 4. Level 1: Level 2: 4. Diagram design ERD : Graphical User Interface: 5. Insert ATM card : 5. Main menu: Withdraw : Enter password: 5. Checkbook request : Balance inquiry : 5. Receive cash or deposit money : All requirements concerning with teller machine are prefixed with ATM. Which can be either empty or full. Introduction 1. Problem definition 1. Evidence of problem definition 1. Proposed solution 1. Scope 1. Objectives 2. System Requirements 2. Hardware Requirements 2. Software Requirements 3. System Analysis 3. Feasibility study 3. Technical feasibility 3. Social feasibility 3. Economical feasibility 3. Operation feasibility 3. Design of new proposed system UML 4. System design 4. Data dictionary 4. Diagram design UML 4. Use case diagram 4. Activity diagram 4. Sequence diagram 4. Collaboration diagram 4. Class diagram 4. Diagram design DFD Level 4. Diagram design ERD 5. Graphical User Interface 5. Insert ATM card 5. Main menu 5. Withdraw 5. Enter password 5. Checkbook request 5. Balance inquiry 5. Receive cash or deposit money 6. Requirements for ATM 6. Functional Requirements 6. Non-Functional Requirements You just clipped your first slide! Clipping is a handy way to collect important slides you want to go back to later. Now customize the name of a clipboard to store your clips. Visibility Others can see my Clipboard. Cancel Save. Quickly get a head-start when creating your own data flow. A visual appealing data flow diagram like kawasaki4