



# Software Requirement Specification(SRS)

## 1 Introduction:

- 1.1 **Purpose of this Document:** When customers complete their shopping cart, their credit card is preauthorized and the order is entered into Sales Order. Credit Card Processing dials out and obtains a credit card payment. Within five minutes the customer receives an e-mail receipt.
- 1.2 **Scope of this document** – Automatically connects to your financial network for credit card authorizations and settlements Integrates with Sales Order, Accounts Receivable, and e-Business Manager Support for dial-up (modem) connections or secure Internet connections through TCP/IP and SSL Compliant with Visa and MasterCard Electronic Commerce Indicator (ECI) regulations.
- 1.3 **Overview** – In this, description of product is explained. It's simply summary or overall review of product.

## 2 **General description:**The process of swiper is to scan the information in the magnetic tape and inputs the PIN number of the credit card to make a successful transaction.

## 3 **Functional Requirements:**REQ 1:The pin number must be genuine REQ 2:The credit card holder must his debts genuinely.

## 4 **Interface Requirements:** User interfaces-This tool will come along with a basic user interface tool with GUI along with simple and easy to navigate icons thus avoiding any complexity which may not be understandable for novice users.The interfacing will contain arrow marks, text boxes and some different shaped boxes reduce complexity. Hardware interfaces-Processor -intel pentium IV 1.83, Memory -256 MB RAM,Hard disk drive -40 GB.Credit card processing system requires a swiper to be connected to the computer. Software interfaces- Operating system : MICROSOFT WINDOWS,Programming language : VB, DBMS : MICROSOFT ACCESS 2007.

## 5 **Performance Requirements:**The swiper should work effectively during the transaction for good maintenance of the system.

## 6 **Design Constraints:**This will be an open source project and thus will not be able to operate and function on most propriety operating systems due to the lack of support systems provided by these systems.In the current version reports can be generated only in SOL SERVER 2008 R2 dbms and source database are also restricted to few sources mentioned above.Further more it will also require VB language compilers for further enhancing of features.

- 7 **Non-Functional Attributes:** Safety Requirements-The card issuer must update the record of the card holders to prevent fraudulent actions and other errors that may occur during transactions.Security Requirements-The card holder must not give details to others about the PIN number of the credit card.Software Quality Attributes-The code will be free to in its accuracy,reusability to modify the code,flexibility in its usage and more over simple and informative.Business Rules-There are no such business rules.The tool can be used by any users.
- 8 **Preliminary Schedule and Budget:** In this, initial version and budget of project plan are explained which include overall time duration required and overall cost required for development of project.