### Project Report on

**BY**

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BSC (COMPUTER SCIENCE)

Academic Year

2010-2011

**Guided By**

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PANCHAVATI COLLEGE OF MANAGEMENT AND

COMPUTER SCIENCE

**CERTIFICATE**

This is certify that the project titled,

**“Cryptography”**

has been completed by

**PANDEY DIWANSHI BRIJESH**

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Affiliated to University of Pane, for the academic year 2010-2011

Project guide H. O. D.

**Prof.P.Bhalekar (Dept.of Comp.Sci)**

Internal Examiner External Examine

**INDEX**

* **Introduction:**

1. Project Synopsis
2. Need Of Project
3. Drawback Of Manual System
4. Advantages Of Computer System
5. Limitations Of System
6. System Requirements
7. Platform

* **ER Diagram**
* **DFD**
* **UML Diagrams:**

1. Class Diagram.
2. Use Case Diagram.
3. Activity Diagram.
4. Deployment Diagram.

* **Database Design**
* **Data Dictionary**
* **Screen Shots**
* **Reports**
* **Bibliography**
* **Introduction :**

As a developer we are very glad to submit this project on,

**“E-BOOK SHOPPE”**

Through these few words, We acknowledge heartfelt grattitude to everyone who have contributed to make this project a success despite the constraint of time.

We are thankful to the faculty members of computer science department for the technical guidance and suggestion during project design and implementation throughout project work.

We specially thank Ms. A. S. Shinde and Ms. S. Sommaiya for their useful guidelines.

We also thank the staff of the **‘Crossword Book Store’** for giving necessary assistance, encouragement and guidance all through our project. We express our special thanks to all of them involved directly or indirectly to make this project a success.

* **Diwanshi Pandey**
* **Ankit Gadgil**
* **Bhushan Dandgavhal**
* **T.Y.BSC (COMPUTER SCIENCE)**

**1. Project Synopsis:**

**Name of student: - Bhushan Vijay Dandgvhal**

**Diwanshi Brijesh Pandey**

**Ankit Uday Gadgil**

**Roll No: - 32**

**33**

**34**

**Class:-T.Y.BSc(Computer Science)**

**Project Title: e- Book Shoppe**

**Objective of Project:**

1. **To make an online system for book shopee.**
2. **To make buying books online with supporting service.**
3. **Online application for nursery which connects multiple branches together.**
4. **User friendly environment**
5. **System should be easy to understand**

**Scope:**

**1: Registration :**

**User can make registration filling his/her personal information.**

**User gets registered at the web site for purchasing books.**

**2: Book details:**

**User can make enquiry of books. No need to make registration only for surfing.**

**3: Online payment:**

**User can make payment online.**

**6: Upgradation according to User’s feedback:**

**Changes will be done in collection of books according to user suggestions.**

**Front end: Jdk 1.6.0\_22**

**Jsdk 2.0**

**Back end: MS Access**

**O S platform: Windows XP**

**2. Need Of Project:**

* **In a firm, the person handling the work of the firm has to maintain all records manually.**
* **This basically is a critical and boring job. It is difficult and time consuming to look after the work.**
* **There are number of processes like purchase record, stock records, sales records which are very important. There is also factor of human error that the person maintaining the data registers may skip some entries.**
* **Using this application, it will be more easy and simple to generate an invoice and it will also help us to save time from manual calculation.**

**3. Drawback Of Manual System :**

* **Manual system does not provide the ready information about the stock, it may take some days in checking of the required stock.**
* **It is also difficult to maintain the readymade sheet. In a day, there are different jobworks and it has different delivery dates. So it is difficult to know that the stock is available in the shop or not. That is why there is a need of computerization, to avoid the problems and making the system user-friendly as per the requirements.**

**4 .Advantages Of Computerized System:**

**Our proposed system will help a lot to reduce the drawbacks as mentioned earlier with the existing system. It is advantageous in numerous ways. Some of its advantages are:**

* + - * **Easy to maintain stock details.**
      * **Time saving for owner as well as customer.**
      * **Specific daily records.**
      * **Customer’s satisfaction.**
      * **Reduces the data inconsistency and data redundancy.**
      * **Computerized system is very helpful to display the data effectively and in a user friendly format.**

**5. Limitations Of the System:**

**The most important limitation of the existing system is that it needs more user processing.**

**Time required for validations and updating is more.**

**Maintaining database is difficult.**

1. **System Requirements:**

* ***Hardware Requirements***
* Intel Pentium IV processor
* 2.40 GHz
* 256 MB of RAM
* ***Software Requirements***
* O.S – Windows 98/XP
* Java(1.4 or higher)
* Jsdk (1.4 or higher)
* Microsoft Access

1. **Platform:**

* **JAVA**
* **JSDK2.0**
* **E R-Diagram:**

**Customer**

**Has**

**Books**

**password**

**username**

**Is of**

**gets**

**Sales by**

**Bill**

**Shop Owner**

**from from**

**Is A**

**maintains**

**Non-Fiction**

**Fiction**

**History**

**Autobiography**

**Comics**

**Stock**

* **Data Flow Diagrams :**
  1. **Context Level DFD :**

**Customer**

**Management**

**Customer**

Admin authorities

**Management**

**Reports**

**customer**

**detail**

**book**

**detail**

**Queries**

**b) First Level DFD :**

**Customer Customer master**

**Customer detail Make entry**

**Customer detail Make entry**

**Customer Customer master**

**Transaction Book master**

**Transaction detail Make entry**

**Stock Customer master**

**Stock details Make entry**

**Customer Provide Management Master details Make entry**

**D**

**Management details entry Bill Master**

**c) Second Level DFD For Master Record :**

**Customer Customer Master**

**Customer details Customer details**

**Management Master Book**

**Book details Book details**

**Management Management master**

**Queries Reports**

**d) Second Level DFD For Transaction Process:**

**Book Book Master**

Book details Make entry

**e) Second Level DFD For Bill Generation :**

**Book Book Master**

**Book details make entry**

**Sale Bill Sale master**

**Sale details make entry**

**Book Master** **Bill Master**

Book details

**Bill details**

**f) Second Level DFD For Report Generation**

**Book Management**

**Book details Management details**

**P.O details**

**Management P.O.**

**Customer Bill Master**

**Customer details Bill details**

**Mobile Sale** **Bill**

**Mobile details Sale Details**

**Customer** **Customer**

Details  **Details**

* **UML Diagrams :**

1. **Class Diagram:**

**Payment.class**

**uid: string**

**billamt:int**

**M**

**M 1**

**1**

**Customer.class**

**C\_id:int C\_name:string**

**C\_addr:string**

**1 M 1**

**FinalList.class**

**Bname:string**

**Bqty:int**

**M**

**Book.class**

**B\_code:int**

**B\_name:string**

**B\_author:string**

**B\_price:int**

**B\_cate:string**

**1**

**III)Use Case Diagram:**

**Accept Bill**

**Create Bill**

**Accept Payment**

**Do Payment**

**Save User Book List**

**Create Book List**

**Verify & Save User Information**

**Create New Account**

**Check Valid User**

**Provide Sign In Information**

**Give Book Details**

**Surfing**

Client

**Provide Payment Information**

DB

Server

**Maintaining Information Database**

Administrator

**IV)Activity Diagram:**

**Sign UP**

No

**Sign In**

**Just Surf**

Yes Yes

**Enter Details**

**Enter Username & Password**

**Create User Account**

**Valid User**

Yes

**Provide Book Details**

**Save User Book List**

**View List**

**Buy Now?**

**Pay Amount**

**Cash on Delivery**

**Payment Mode**

**Credit Card**

**E-banking**

**Accept Bill**

**Payment Done**

**V) Deployment Diagram :**

**<PROCESSOR>**

**SERVER**

Node4

Node3

Node2

Node1

Client 1

Client 2

Client 3

Client 4

* **Database Design:**
* **Structure of *Book* Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1. | Bname | Text | 50 | Book Name |
| 2. | Bauthor | Text | 50 | Book Author |
| 3. | Bcode | Number | Long Integer | Book Code |
| 4. | Bprice | Number | Long Integer | Book Price |
| 5. | Bsub | Text | 50 | Book Subject |

* **Structure of *User* Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **size** | **Description** |
| 1. | fname | Text | 50 | First Name |
| 2. | lname | Text | 50 | Last Name |
| 3. | dob | Date | 50 | Date of Birth |
| 4. | gender | Text | 50 | Gender |
| 5. | uid | Text | 50 | User id |
| 6. | pwd | Text | 50 | Password |
| 7. | addr | Text | 50 | Address of the User |
| 8. | city | Text | 50 | City |
| 9. | state | Text | 50 | State |
| 10. | country | Text | 50 | Country |
| 11. | email | Text | 50 | Email id of the User |

* **Structure of Final List Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1. | Bname | Text | 50 | Book Name |
| 2. | Bauthor | Text | 50 | Book Author |
| 3. | Bcode | Number | Long Integer | Book Code |
| 4. | Bprice | Number | Long Integer | Book Price |
| 5. | Bsub | Text | 50 | Book Subject |
| 6. | Bqty | Number | Long Integer | Quantity of each book selected |

* **Structure of *Cash On Delivery* Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1 | adrrs | Text | 50 | Address Of Customer |
| 2 | uid | Text | 50 | User id |
| 3 | billamt | Number | Long Integer | Bill Amount |

* **Structure of *e-Banking* Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1. | uid | Text | 50 | User id |
| 2. | bankname | Text | 50 | Bank Nmae |
| 3. | accno | Number | Long Integer | Account No |
| 4. | billamt | Number |  | Bill Amount |

* **Structure of *Credit Card* Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1. | cno | Number | Long Integer | Credit Card No |
| 2. | bank | Text | 50 | Bank Name |
| 3. | uid | Text | 50 | User ID |
| 4. | billamt | Number | Long Integer | Bill Amount |

* **Structure of Feedback Table :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Field Type** | **Size** | **Description** |
| 1. | userid | Text | 50 | User id |
| 2. | addrs | Text | 50 | Address Of Customer |
| 3. | email | Text | 50 | Email id of the Customer |
| 4. | comments | Text | 150 | Comments by the Customer |

* **Data Dictionary** :

Data dictionary is a catalogue a respiratory of the elements in the system. This dictionary mainly talks about data and the way they are structured to meet users requirements and organizational needs.

* **Components Of Data Dictionary:**

1. **Data Elements :**

Data element is the fundamental level or the elementary item. Egg: job work no.

1. **Data Structure :**

Data elements are grouped together to make a data structure.

1. **Data Flows and Stores :**

It includes the complete explanation of all the elements used in data flow diagram and a description of each data flow, data structure and process.

* **Data Dictionary:**

**Data Element :** Bname **Data Element :** Bauthor

**Description :** Book Name **Description :** BookAuthor

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** Book Table **Data Stores :** Book Table

**Data Element :** Bcode **Data Element :** Bprice

**Description :** Book Code **Description :** Book Price

**Data Type :** Number **Data Type :** Number

**Length :** 6 **Length :** 6

**Range :** 1 - 999999 **Range :** 1 - 999999

**Alias : - Alias : -**

**Data Stores :** Book Table **Data Stores :** Book Table

**Data Element :** Bsub **Data Element :** fname

**Description :** Book Subject **Description :** First Name

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** Book Table **Data Stores :** User Table

**Data Element :** lname **Data Element :** dob

**Description :** Last Name **Description :** Date of Birth

**Data Type :** Text **Data Type :** Date

**Length :** 50 **Length :** 8

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** User Table **Data Stores :** User Table

**Data Element :** gerder **Data Element :** uid

**Description :** Last Name **Description :** User id

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** User Table **Data Stores :** User Table

**Data Element :** pwd **Data Element :** addr

**Description :** Password **Description :** Address

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** User Table **Data Stores :** User Table

**Data Element :** city **Data Element :** state

**Description :** City **Description :** State

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** User Table **Data Stores :** User Table

**Data Element :** country **Data Element :** email

**Description :** Country **Description :** E-mail

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 8

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** User Table **Data Stores :** User Table

**Data Element :** Bname **Data Element :** Bauthor

**Description :** Book Name **Description :** BookAuthor

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : - Range : -**

**Alias : - Alias : -**

**Data Stores :** Final List **Data Stores :** Final List

**Data Element :** Bcode **Data Element :** Bprice

**Description :** Book Code **Description :** Book Price

**Data Type :** Number **Data Type :** Number

**Length :** 6 **Length :** 6

**Range :** 1 - 999999 **Range :**1- 999999

**Alias : - Alias : -**

**Data Stores :** Final List **Data Stores :** Final List

**Data Element :** Bcode **Data Element :** Bprice

**Description :** Book Code **Description :** Book Price

**Data Type :** Number **Data Type :** Number

**Length :** 6 **Length :** 6

**Range :** 1 - 999999 **Range :** 1 - 999999

**Alias : - Alias : -**

**Data Stores :** Final List **Data Stores :** Final List

**Data Element :** Bsub **Data Element :** Bqty

**Description :** Book Subject **Description :** Quantity

**Data Type :** Number **Data Type :** Number

**Length :** 6 **Length :** 3

**Range :** 1 -999999 **Range :** 1 - 999

**Alias : - Alias : -**

**Data Stores :** Final List **Data Stores :** Final List

**Data Element :** addr **Data Element :** uid

**Description :** Address **Description :** User id

**Data Type :** Text **Data Type :** Text

**Length :** 50 **Length :** 50

**Range : -**  **Range : -**

**Alias : - Alias : -**

**Data Stores :** Cash Table **Data Stores :** Cash Table

**Data Element :** Bamt **Data Element :** uid

**Description :** Bill Amount **Description :** User id

**Data Type :** Number **Data Type :** Text

**Length :** 6 **Length :** 50

**Range :** 1 -999999 **Range : -**

**Alias : - Alias : -**

**Data Stores :** Cash Table **Data Stores :** Ebanking

**Data Element :** bname **Data Element :** accno

**Description :** Bank name **Description :** Account no.

**Data Type :** Text **Data Type :** Number

**Length :** 50 **Length :** 6

**Range : -**  **Range :** 1 **-** 999999

**Alias : - Alias : -**

**Data Stores :** Ebanking **Data Stores :** Ebanking

**Data Element :** Bamt **Data Element :** bname

**Description :** Bill Amount **Description :** Bank name

**Data Type :** Number **Data Type :** Text

**Length :** 6 **Length :** 50

**Range :** 1 -999999 **Range : -**

**Alias : - Alias : -**

**Data Stores :** Ebanking **Data Stores :** Credit Table

**Data Element :** cno **Data Element :** accno

**Description :** Credit No **Description :** Account no.

**Data Type :** Number **Data Type :** Text

**Length :** 6 **Length :** 50

**Range :** 1 - 999999 **Range :**  **-**

**Alias : - Alias : -**

**Data Stores :** Credit Table **Data Stores :** Credit Table

**Data Element :** Bamt

**Description :** Bill Amount

**Data Type :** Number

**Length :** 6

**Range :** 1 -999999

**Alias : -**

**Data Stores :** Credit Table

* **Screen Shots:**

**1.Welcome Screen**

**2. Just Surf Screen**

**3.Sign Up Scree**

**4.Sign In Screen**

**5.Fiction Screen**

**6.Final List Screen**

**7.Payment Screen**

**8.Cash On Delivery Screen**

**9.Thank You !! Screen**

**10.Feed Back Form Screen**

* **Reports:**
* **From our programming experience, we have concluded that JAVA is an intresting programming language. It inspires deviation, passion, exaltation eccentricity not to mention exasperation and function.**
* **The project has been a great experience to us. It taught us to implement software and servlet concepts to develop a website module compatible with basic industrial standard need. It taught us to work as a team and built our scripts.**
* **This project has helped us in great depth to learn the applications extended by java . We have tried to make this E-Book Shoppe as user friendly as possible.**
* **Eventually we are very thankful to University of Pune to included this “Project work ” as apart of our syllabus.**
* **Future Enhancement :**
* **The Shoppe can be more user friendly and attractive.**
* **The Database can be expanded.**
* **Stock maintainance can be handled.**
* **New Book Categories can be added**
* **New payment modes can be introduced.**

**Eg. Mobile banking**

**Demand draft**

**etc.**

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