



E-BOOK

P
PROJECT GROUP MEMBERS

Students Id	Student Name
Student1285084	Asadullah
Student1283345	Muhammad Haris

CURRICULUM BATCH

6740 2010F3

FACULTY

MS. SAMREEN RAFIQ

CO-ORDINATOR

MS. Iqra Shamsi

Certificate

This is to certify that the dissertation entitled
“E-Book” submitted by Muhammad Haris is
Student1283345, Asadullah
Student1285084.

in their partial fulfilment of the
requirement of the award of the Aptech
Computer Certified.

Acknowledgement

The success and final outcome of this project required a lot of guidance and assistance from many people and I am extremely privileged to have got this all along the completion of my project. All that I have done is only due to such supervision and assistance and I would not forget to thank them.

I respect and thank Aptech for providing me an opportunity to do the project work in ACE and giving us all support and guidance, which made me complete the project duly. I am extremely thankful to Aptech for providing such a nice support and guidance.

I owe my deep gratitude to our project guide Ms. Samreen Rafiq, who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

Student1285084 Asadullah

Student1283345 Muhammad Haris

Abstract

This project is aimed at developing an E-BOOK for the facilities in the online store. This is an Intranet based application that can be accessed throughout the store. This system can be used to automate the workflow of service requests for the various facilities in the category. This is an integrated system that covers different kinds of category like fiction, non-fiction, children,journals etc. Registered users (user and admin) will be able to log in a request for service for any of the supported product. These requests will be sent to the concerned people, who are also valid users of the system, to get them resolved.

Table of Contents

Certificate	3
Acknowledgement.....	4
Abstract	5
CHAPTER # 1	7
INTRODUCTION	7
CHAPTER # 2	9
FUNCTION REQUIREMENT	9
CHAPTER # 3	11
REQUIREMENT SPECIFICATION	11
CHAPTER # 4	14
ANALYSIS	14
CHAPTER # 5	20
DESIGN	20
CHAPTER # 6	27
TESTING	27
CHAPTER # 7	31
SCREEN SHOTS	31
Create Account.....	32
Home Page Header.....	34
Footer	34
Weight Converter	35
Industries.....	35
About Us	36
Our Services	36
Track Your Order	37
Create A Shipment.....	37
Contact Us	38
Login	38
CHAPTER # 8	39
TASK SHEET	39
TASK SHEET	40
CHAPTER # 9	41
SUBMISSION CHECKLIST	41
CHAPTER # 10	43
Conclusion.....	43



CHAPTER # 1

INTRODUCTION

1.1 Introduction:

TARS Delivery System is a postal organization with different branches at different cities delivering the mails through various options like courier, speed post, Normal post, VPP etc... and money orders. They used to charge for the delivery of the mails based on the type of the service preferred, weight of the mail and as well based on the distance.

1.2 Problem Introduction:

They want an online application through which the offices at different cities can be connected through a single application and they want to avoid using multiple applications, one each at a city office. Also, they want that the application should perform all the tasks of the application that they are using, like calculating the charges. Also, it should hold the information of the details of the charges, pin codes, contact details of the offices based on the location.

1.3 Modules:

The entire project mainly consists of 2 modules, which are



Head (Admin)



Custome (User)

❖ **1.3.1Head Module:**

0

1. New User (Add / Update / Delete / View over all report)

1. Create User Account (Add / Update / Delete / View over all report)

Admin panel have all rights to access all area of the book Category.

Admin panel give authorities to staff and general public users.

CHAPTER # 2

FUNCTION REQUIREMENT

1.3.1 Functional Requirement:

- 1 Full payment during the submission of the deliverable, except for the VPP service
 - . The admin has the right to access all the pages of the website
- 2 The employee will only be able to access the details of the deliverable where he can enter, update the details and
 - . as well the details of service charges, contact address based on the location, and the pin codes of the locations.
- 3 Also, the employee can change the password for logging in to his a/c and as well he can update his profile and the
 - . profile thus change can be altered only after the admin agrees for it.
- A Database to store all the details of the deliverables received from either the customer or from the other
5. branches

CHAPTER # 3

**REQUIREMENT
SPECIFICATION**

2.1 INTRODUCTION:

To be used efficiently, all computer software needs certain hardware components or the other software resources to be present on a computer. These pre-requisites are known as (computer) system requirements and are often used as a guideline as opposed to an absolute rule. Most software defines two sets of system requirements: minimum and recommended. With increasing demand for higher processing power and resources in newer versions of software, system requirements tend to increase over time. Industry analysts suggest that this trend plays a bigger part in driving upgrades to existing computer systems than

2.2 HARDWARE REQUIREMENTS..

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatibility and sometimes incompatible hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirements.

HARDWARE REQUIREMENTS FOR PRESENT PROJECT:

PROCESSOR : Intel dual Core,

RAM : i3 4 GB

HARD DISK : 250 GB

2.3 SOFTWARE REQUIREMENTS:

Software Requirements deal with defining software resource requirements and pre-requisites that need to be installed on a computer to provide optimal functioning of an application. These requirements or pre-requisites are generally not included in the software installation package and need to be installed separately before the software is installed.

SOFTWARE REQUIREMENTS FOR PRESENT PROJECT:

OPERATING SYSTEM	:	Windows 7/ XP/8/10
SOFTWARE	:	Visual Studio Code
FRONT END	:	PHP
DATABASE	:	MYSQL Server

CHAPTER # 4

ANALYSIS

3.1 PROPOSED SYSTEM:

In the proposed system, in this software once the timer is being arranged, it put up updates and uploads automatically and does not need anyone to do so. Also, it is easily available due to its speed and programming part and using it is quite an easy task and well as due to its speed the information which will be available by one or two clicks, will get available in few seconds only.

3.2 FEASIBILITY STUDY:

The feasibility of the project is analysed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential.

Three key considerations involved in the feasibility analysis are:

3.3.1 Economic Feasibility:

This study is carried out to check the economic impact will have on the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus, the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products have to be purchased.

3.3.2 Technical Feasibility:

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes for the implementing this system.

3.3.3 Operational Feasibility:

The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make

him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of the system.

1.4 LANGUAGE SPECIFICATION

1.4.1 C#.NET

C# programs run on the .NET Framework, an integral component of Windows that includes a virtual execution system called the common language runtime (CLR) and a unified set of class libraries. The CLR is the commercial implementation by Microsoft of the common language infrastructure (CLI), an international standard that is the basis for creating execution and development environments in which languages and libraries work together seamlessly.

Source code written in C# is compiled into an intermediate language (IL) that

conforms to the

CLI specification. The IL code and resources, such as bitmaps and strings, are stored on disk

in an executable file called an assembly, typically with an extension of .exe or. dlt. An

1.4.2 ASP.Net MVC assembly

ASP.NET MVC is an open source web development framework from Microsoft that contains a manifest that provides information about the assembly types, version, culture, and provides a Model View Controller architecture. ASP.net MVC offers an alternative to ASP.net security requirements. web forms for building web applications. It is a part of the .Net platform for building, deploying and running web apps. You can develop web apps and website with the help of HTML, CSS, jQuery, JavaScript, etc.

1.4.3 SQL SERVER

Microsoft SQL Server is a relational database management system (RDBMS) that supports a wide variety of transaction processing, business intelligence and analytics applications in corporate IT environments. Microsoft SQL Server is one of the three market-leading database technologies, along with Oracle Database and IBM's DB2.

Like other RDBMS software, Microsoft SQL Server is built on top of SQL, a

standardized

programming language that database administrators (DBAs) and other IT professionals use to

manage databases and query the data they contain. SQL Server is tied to Transact-

SQL (T-

SQL), an implementation of SQL from Microsoft that adds a set of proprietary programming extensions to the standard language.

CHAPTER # 5

DESIGN

4.1 SYSTEM DESIGN:

4.1.1 INTRODUCTION TO UML:

UML Design

The Unified Modelling Language (UML) is a standard language for specifying, visualizing, constructing, and documenting the software system and its components. It is a graphical language, which provides a vocabulary and set of semantics and rules. The UML focuses on the conceptual and physical representation of the system. It captures the decisions and understandings about systems that must be constructed. It is used to understand, design, configure, maintain, and control information about the systems.

The UML is a language for:

- ❖ Visualizing
- ❖ Specifying
- ❖ Constructing

Visualizing

Documenting
Through UML we see or visualize an existing system and ultimately, we visualize how the system is going to be after implementation. Unless we think, we cannot implement. UML helps to visualize, how the components of the system communicate and interact with each other.

Specifying

Specifying means building, models that are precise, unambiguous and complete UML addresses the specification of all the important analysis design, implementation decisions that must be made in developing and deploying a software system.

Constructing

UML models can be directly connected to a variety of programming language through mapping a model from UML to a programming language like JAVA or C++ or VB. Forward Engineering and Reverse Engineering is possible through UML.

Documenting

The Deliverables of a project apart from coding are some Artifacts, which are critical in controlling, measuring and communicating about a system during its developing requirements, architecture, desire, source code, project plans, tests, prototypes releases, etc.

4.2 UML Approach

UML Diagram

A diagram is the graphical presentation of a set of elements, most often rendered as a connected graph of vertices and arcs. You draw diagram to visualize a system from different perspective, so a diagram is a projection into a system. For all but most trivial systems, a diagram represents an elided view of the elements that make up a system. The same element may appear in all diagrams, only a few diagrams, or in no diagrams at all. In theory, a diagram may contain any combination of things and relationships. In practice, however, a small number of common combinations arise, which are consistent with the five most useful views that comprise the architecture of a software- intensive system. For this reason, the UML includes nine such diagrams:

1. Class diagram
2. Object diagram
3. Use case diagram
4. Sequence diagram
5. Collaboration diagram
6. State chart diagram
7. Activity diagram
8. Component diagram
9. Deployment diagram

USE CASE DIAGRAM:

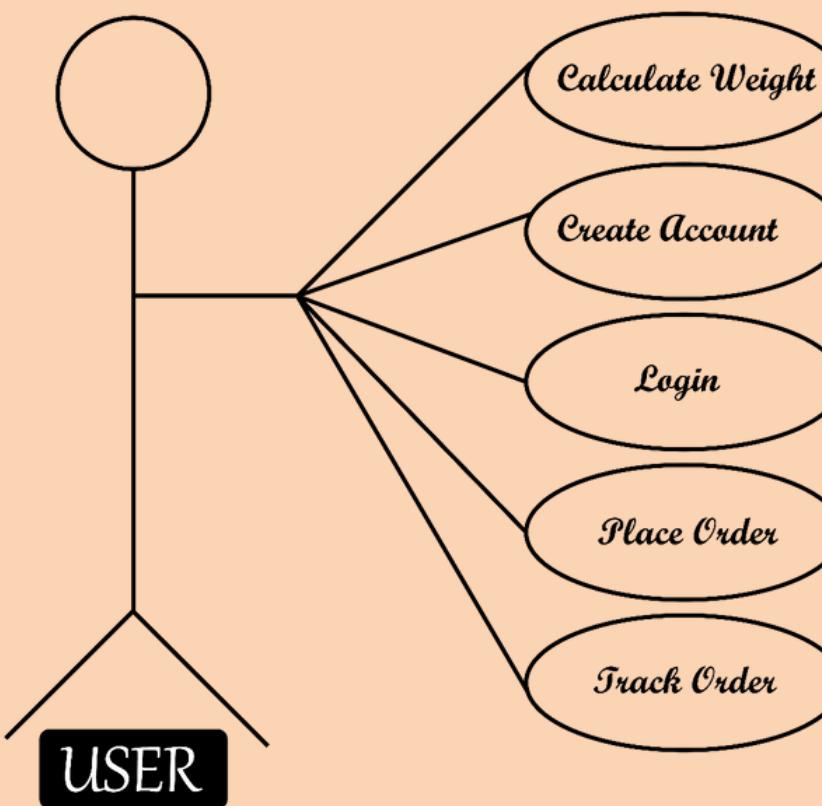
A use case diagram in the Unified Modelling Language (UML) is a type of behavioural diagram defined by and created from a use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases.

Use case diagrams are formally included in two modelling languages defined by the OMG: the unified modelling language (UML) and the systems modelling language (sysML)

Use case diagram of our project:

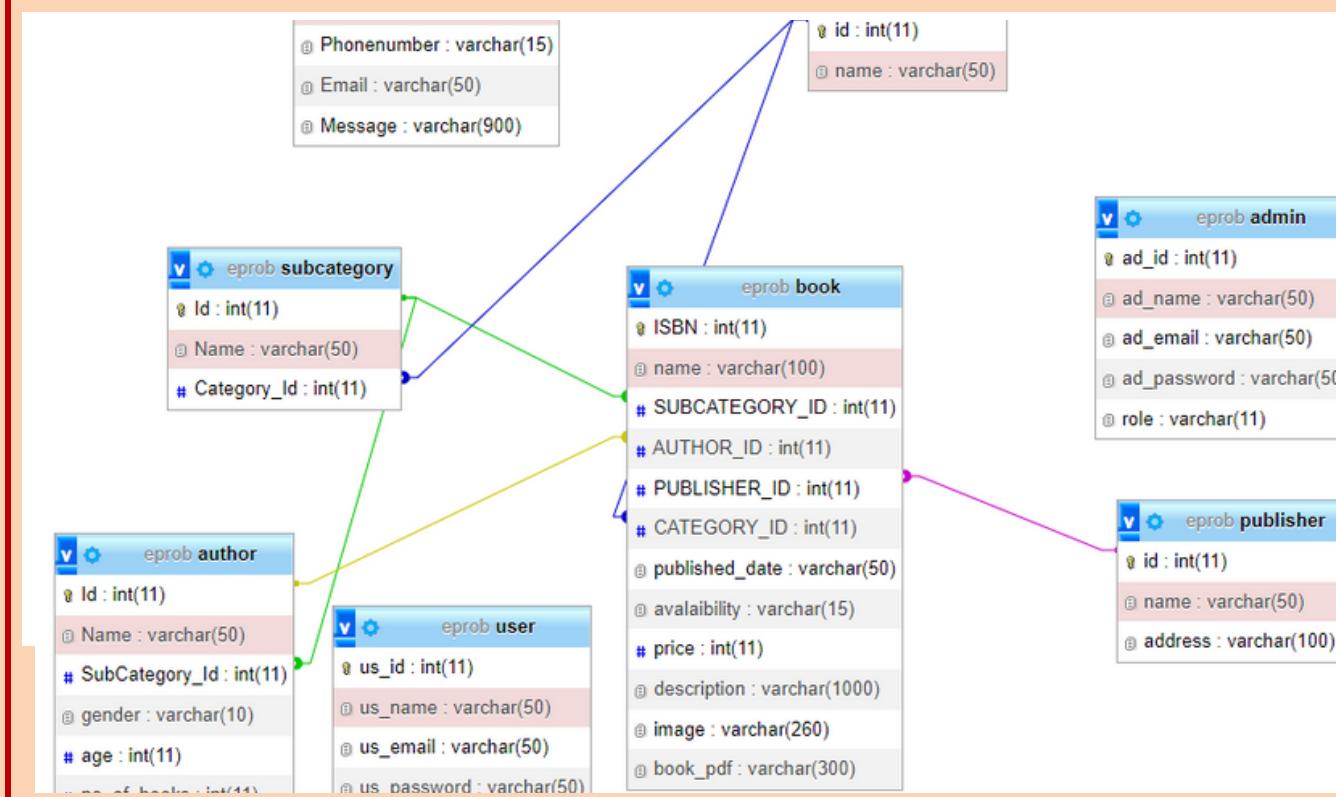
Flow Chart:

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a step-by- step approach to solving a task. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows



ERD Diagram:

An entity–relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between entities



CHAPTER # 6

TESTING

6.1 INTRODUCTION TO SYSTEM TESTING:

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub-assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

TYPES OF TESTING:

Unit testing:

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined ~~Inputs and Expected~~ results.

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

Functional test:

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centred on the following items:

Valid Input : identified classes of valid input must be accepted. Invalid Input : identified classes of invalid input must be rejected. Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

Systems/Procedures: interfacing systems or procedures must be invoked.

Organization and preparation of functional tests is focused on requirements, key

functions, or

special test cases. In addition, systematic coverage pertaining to identify Business process

flows; data fields, predefined processes, and successive processes must be considered

for-----

testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined.

System Test:

System testing ensures that the entire integrated software system meets

White Box Testing:

requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration-oriented system integration test. the inner workings, structure and language of the software, or at least its purpose. It is System testing is based on process descriptions and flows, emphasizing pre-driven purpose. It is used process links and integration points.

to test areas that cannot be reached from a black box level.

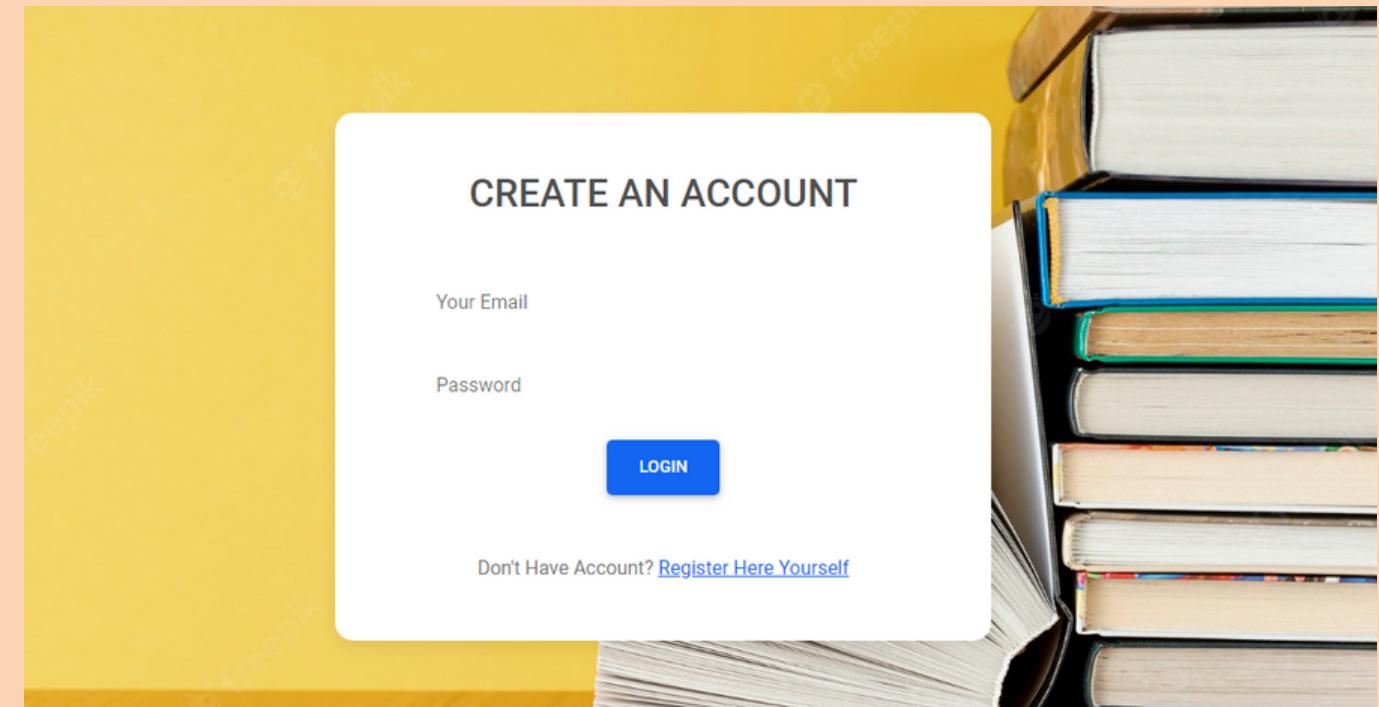
Unit Testing:

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

CHAPTER # 7

SCREEN SHOTS

Create Account



Admin Panel

The Admin Panel interface includes a sidebar on the left with a blue vertical bar. The main area contains a form for adding author details, including fields for Name, Gender, Age, No of Books, Language, and a password field with the value "sad1". Below the form is a blue "Add Author Details" button. Further down, there is a table with columns: Id, Name, Gender, Age, No of books, Language, Subcategory Id, Delete, and Edit. A single row of data is shown: Id 14, Name ali, Gender Male, Age 62, No of books 2, Language Pashto, Subcategory Id 6. To the right of the table are icons for Delete (trash can) and Edit (pencil).

ID	Name	Gender	Age	No of books	Language	Subcategory ID	Delete	Edit
14	ali	Male	62	2	Pashto	6		

Update Details

details

Delete Details

of books	Language	Subcategory Id	Delete
	Pashto	6	
	Urdu	6	
	English	11	

Home Page Header

TS

CATEG

Footer

ACCOUNT

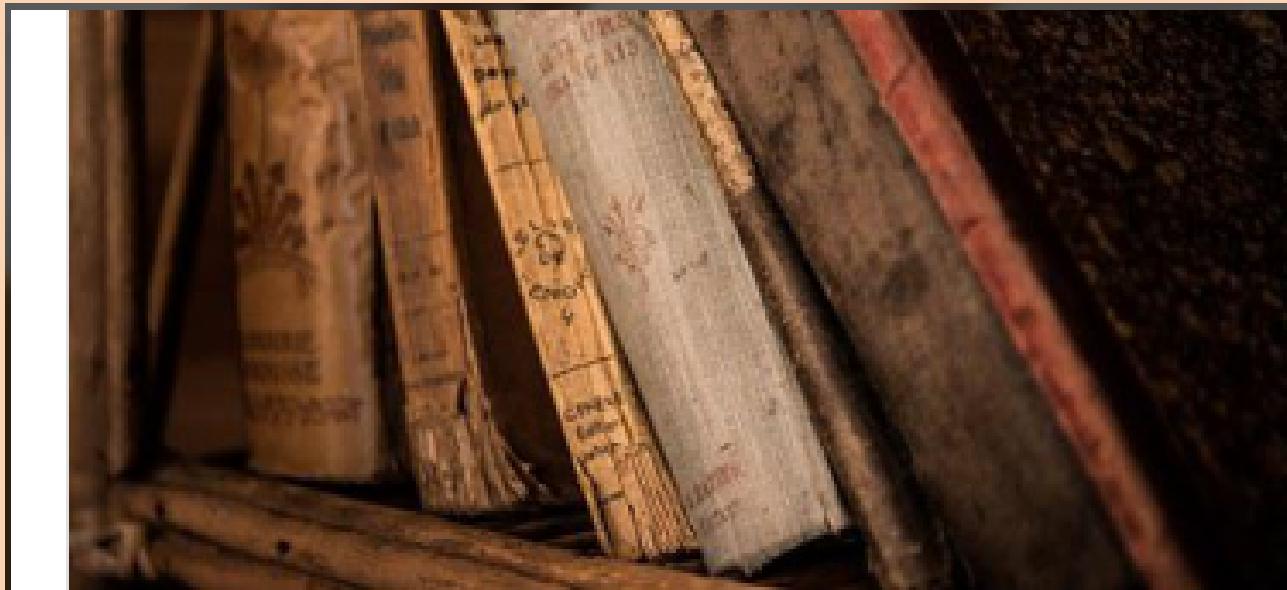
[Account](#)
[Checkout](#)
[Login](#)
[Register](#)
[Shopping](#)
[Widget](#)

NEWSLETTER

Subscribe by our ne
update protidin.

Enter Your Mail

[Add to cart](#)



HARRY POTTER

[Product](#)



BIRDS SHOP

CHAPTER # 8

TASK SHEET

TASK SHEET

S#	Task	Team Member Name	Status
1.	Analysis	Muhammad Haris AND Asadullah	✓
2.	Design	Muhammad Haris AND Asadullah	✓
3.	Development	Muhammad Haris AND Asadullah	✓
4.	Documentation	Muhammad Haris AND A sadullah	✓
5.	Finalization	Muhammad Haris	✓

CHAPTER # 9

SUBMISSION CHECKLIST

SUBMISSION CHECKLIST

S.no	List of items	Remarks	Comments
1.	Do All Pages Linked <u>Yes</u> together	—	✓
2.	Authorization	<u>Yes</u>	✓
3.	Crud Operations	<u>Yes</u>	✓
4.	Database Connection	<u>Yes</u>	
6.	Feedback Form <u>Yes</u> Included	—	✓
7.	Project Zip File	<u>Yes</u>	✓

CHAPTER # 10

Conclusion

Conclusion:

A computerized postal department system has been developed and the system was tested with sample data. The system results in regular timely preparations of required outputs. In comparison with manual system the benefits under a computer system are considerable in the saving of man power working hours and Eiffel. Provision for addition and deletion of customers is there in the system it is possible to view that proper filling system has been adopted to slate date for future. The entire project runs on windows environments. The system can be used to make better management described at appropriate time. The user gets amount and timely information system.