GOVERNMENT POLYTECHNIC JAMNAGAR

COMPUTER ENGINEERING

PROJECT REPORT

FOR

Diploma 5TH SEMESTER

Halvadiya Ashiyana (166250307018)

Gokani Nidhi (166250307507)

Khandhar Riddhi (166250307512)

In fulfillment for the award of the degree

Of

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In

Computer

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Government Polytechnic, Jamnagar

Computer Engineering

2018

Project Report

On

Document warehouse
(Google Drive)

Prepared By:

Halvadiya Ashiyana (166250307018)

Gokani Nidhi (166250307507)

Khandhar Riddhi (166250307512)

Guided By:
Jaynika Kagathra

CERTIFICATE

Date:20/10/2018

This is to certify that the dissertation entitled **"Document warehouse"** has been carried out by **Halvadiya Ashiyana ,Gokani Nidhi and Khandhar Riddh**i under my guidance in fulfillment of the degree of Diploma Engineering in Computer (5th Semester) of Gujarat Technological University, Ahmedabad during the academic year 2018

Internal Guide **Head of the Department**

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Every work that one complete successful stands on the constant encouragement, goodwill and support of the people around. I hereby, avail this opportunity to express my heartfelt gratitude to a number of people who extended their valuable time, and cooperation in developing this project.

We would like to thank this opportunity to express our deep gratitude and sincere thanks to my respected internal guide **Jaynika Kagathra** and external guide provide us with the all valuable guidance, encouragement, support and constructive criticism without which this project would not have been materialized.

I am also thankful to Wikipedia encyclopedia the internet online library to guide me to develop the project report and which also provide lots of information to complete the project

With sincere regards,

Halvadiya Ashiyana
Gokani Nidhi
Khandhar Riddhi

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ABSTRACT

It is PHP project based on a Document Warehouse, known as Google drive.

First user will register using their personal details and then login using email and password.

In this system, user can Upload ,Download and Share files.

In addition, he/she also send friend request and communicate together.

Index

CHAPTER NO: 1

INTRODUCTION

1.0 Introduction

1.1 Overview:

Document Warehouse is a file storage and synchronization service. **Document Warehouse** allows users to store files on their servers, synchronize files across devices, and share files. **Document Warehouse** offers users 15 gigabytes of free storage. Files uploaded can be up to 5 terabytes in size. Users can change privacy settings for individual files and folders, including enabling sharing with other users or making content public. The website offer a Backups section to see what devices have data backed up to the service. **Document Warehouse** has a website that allows users to see their files from any Internet-connected computer, without the need to download an app. **Document Warehouse** incorporates a system of file sharing in which the creator of a file or folder is, by default, its owner. The owner can regulate the public visibility of the file or folder. Ownership is transferable. Files or folders can be shared privately with particular users having a **Document Warehouse** account, using their username.

- 15 GB Free Space for With a Google Account, you get 15 GB of storage for free.
- Storage gets used by Document Warehouse, Gmail, and Google Photos, so you can store files, save your email attachments, and back up photos and videos.
- Photos, videos, presentations, PDFs – even Microsoft Office files. No matter what type of file it is, everything can be stored safely in Drive.
- Files in Drive are private, until you decide to share them. You can quickly invite others to view, comment, and edit any file or folder you choose. It's online collaboration made easy.
- Your file security is crucial. That’s why every file in Drive stays safe no matter what happens to your smartphone, tablet or computer.

1.2 Scope:

Modules:

Registration:

- Registration form fill up for new user.

Upload Document:

- Upload user their file and folder.

Download Document:

- Download user their file and folder any time and any were.

Store:

- User store their device backup to our warehouse.

Request:

- Send Request to our web other user.

Accept:

- User can accept friend request to other’s send request.

Share Document:

- User can share their file and folder to their friend securely.

Delete Document:

- User delete their own file and folder.

Profile Pic:

- User can set their profile picture.

Theme:

- User can set their own background picture.

Secure:

- User data has been secure from every other's.

Notification:

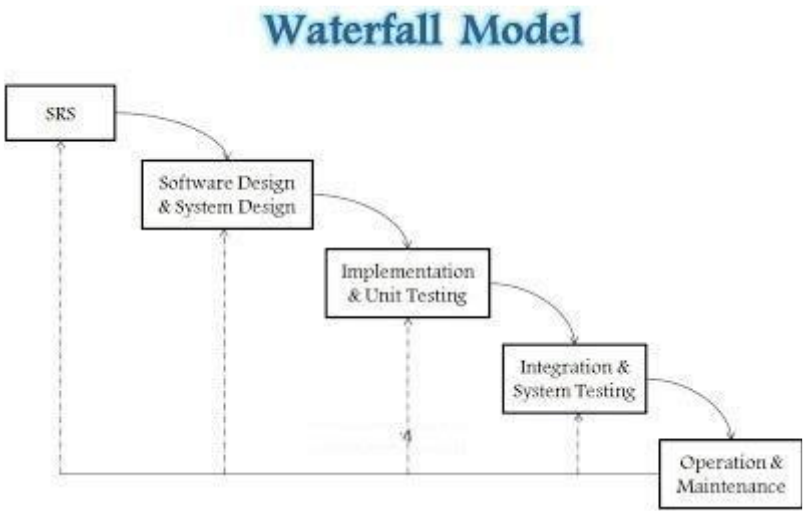
- User get notification to friend share document.

1.3 Process model:

ITERATIVE WATERFALL MODEL:

Waterfall Model is one of the most widely used Software Development Process. It is also called as "Linear Sequential model" or the "classic life cycle" or iterative model. It is widely used in the commercial development projects. It is called so because here, we move to next phase (step) after getting input from previous phase, like in a waterfall, water
flows down to from the upper steps.
In this iterative waterfall model Software Development process is divided into five phases:-

a) SRS (Software Requirement Specifications)
b) System Design and Software Design
c) Implementation and Unit testing
d) Integration and System Testing
e) Operation and Maintenance



Iterative Waterfall Model with its stages

Advantages of Waterfall Iterative Model

1) Waterfall model is simple to implement and also the amount of resources required for its minimal.
2) In this model, output is generated after each stage (as seen before), therefore it has high visibility. The client and project manager gets a feel that there is considerable progress. Here it is important to note that in any project psychological factors also play an important role.
3) Project management, both at internal level and client's level, is easy again because of visible outputs after each phase. Deadlines can be set for the completion of each phase and evaluation can be done from time to time, tocheck if project is going as per milestones.

Reasons for choosing Iterative waterfall model:

- Iterative waterfall model allows us to go back to any step in the whole development process.
- We will constantly increase the features of the project and will make it better with every passing day. So this model will give us the flexibility to go back to any stage and make changes in it.
- With this model bug fixing and maintenance becomes easy as we can go back and test it first before realizing an update.
- We do not want to make any change in the basic features of the project even in future we just want to bend and twist them to get the most out of them so in this model we won’t have to start from all over again to make any minute change.

CHAPTER NO: 2

SYSTEM REQUREMENT SPECIFICATION

2.1 User Characteristics

2.2 Function Requirements

2.3 Non- Function Requirements

2.0 System Requirement Specification

2.1 User characteristics

- Admin
- Register User
- Viewer/Guest User

Admin

- He/she is responsible for all the manipulation of web-site and for managing the manipulation of database.
- He is not allowed to access or modify any username or password.
- He is considered responsible for restricting the users who are not registered.
- He can manage the clients uploaded document securely.
- He also manages the feedback of clients
- He can see the dashboard and can manage it.

Register User

- He/she is capable to login to our web-site.
- He capable to upload document to our web.
- He capable to view uploaded document.
- He download document any time-any were.
- He is sent request to other our web-site user.
- If user has create friend then he share their file to their friend.

Viewer/Guest User

- He/she is the person whose aim is to only get ideas and not the whole project.
- The viewer is the person who is not registered and so he is given limited access to the projects on the site.
- He/she is not provided with username and password**.**

2.2 Functional requirement:

1. Registration:-
   - Registration is required to upload any document in our website.
   - Requirement of registration are first name, User name, e-mail id, Contact no, Birth date, Gender, Passsword.
   - Input : user detail
   - Output : fill up register detail
2. Log in:-
   - This website provide facility to login in our website

- Input : enter user name/admin name and password
- Output : user login page/admin login page

3. Upload document:-
   - The user can select the document and also upload document in our website
   - Input : Select document
   - Output : Document Uploaded successfully, also share, download and delete your document
4. Download document:-
   - The user can select the document and also download document in PC
   - Input : Select document
   - Output : Document Download successfully
5. Share document:-
   - The user can select the document and also Share document their friend
   - Input : Select document and Friend
   - Output : Document Shared successfully
6. Send friend request:-
   - The user can search the friend name and also conform the friend request
   - Input : Send friend request
   - Output : Friend request successfully send
7. Change profile pic:-
   - The user can select the picture and also change profile pic in their account
   - Input : Select pic
   - Output : Profile pic changed successfully
8. Change theme:-
   - The user can select the picture and also change theme in their account
   - Input : Select pic
   - Output : theme changed successfully
9. forgot password:-
   - user can send reset link to the e-mail id to reset password
   - Input : e-main id
   - Output : send reset link to set e-mail id
10. admin panel:-
    - Admin can delete user account
    - Admin can view feedback
    - Input : delete account, view feedback
    - Output : add successfully in database
11. Log out:-
    - Our website provide facility to log out
    - Input : select log out option
    - Output : log out from the system

2.3 Non-functional requirement

Performance requirements:

Engineer's project world will be built upon an internet connection on server. The process must be capable of handling real-time functionality activated by the defined users and communication medium.in additional system must be safety critical. All failure reported by the communication medium must be handled instantaneously to allow for user and safety system. The software shall control n-user in a building with m-services. The maximum number of commands the software shall handle is *(m*n) +2*(m-1) +n* .where m s the number of services and n is the number of users. The software shall have a communications time variable of seconds, based on signals or web based inputs, which if xceeded the software shall recognize an error and take corrective action.

Safety and security requirements:

Backup, recovery and business continuity system ensure adequate back up of data as may be required by their operations. System should also have well documented and tested functional continuity plans that address all aspects of the system's functionality

1. Both data and software should be backed up periodically, the frequency of back up depending on the recovery needs of the application. The back-up may be incremental or complete. Automating the backup procedures is preferred to obviate operator errors and missed back-ups.
2. Recovery and business continuity measures, based on criticality of the systems, should be in place and a documented plan with the organization and assignment of responsibilities of the key decision making personnel should exist.
3. An off-site back up is necessary for recovery from major failures / disasters to ensure business continuity. Depending on criticality, different technologies based on back up, hot sites, warm sites or cold sites should be available for business continuity. The business continuity plan should be frequently tested.

Security Requirements:

We understand that there is nothing more important that knowing that communication is private and secure. therefore, we applied very latest in technology when creating the system architecture. The best way to understand the security architecture within the system is to take it one step ahead in the security to prevent the security threats.

Account ID and Password (PIN) protections*:*

User account id and password (PIN) protections occurs at the first level within the system. To access interactions interface, users are required to enter an account id and password. Without these access to the interface is denied. Special password characters beimposed by the system provider a great facility

of security the following characters may come helpful: @#$%^&*() _+-=<>? /.,';" {|} ~`\/ [] for further increase in the level of security, the system will provide a special one-time key (OTP) password to the user. For this user have to specially request to the admin for rights. And additional you will receive an e-mail and message when your login into the website if you have applied for this facilities and more the system will impose a periodic change of password. If the password change option is imposed, a warning message will be displayed when logging on to particular account/interface.

Timeout (auto)/session expired:

As for the security we recommend user to never leave a PC/any device unattended and your private information and information related your project/research displayed while logged on into system. There is now a built-in security feature save your info from the risk in that situation. User are required to remain active/ acknowledge in order to remain active in particular period/session. The auto timeout features warn user every 300 seconds to a pending timeout. If you will not respond to the message immediately in the given short amount of time, then the session will be expired and then you have to again by-pass the authentication process to continue your work.

Sign-out/log-out button*:*

This is the compulsory process or part of the security. When the end-user is finished with system interface, they should log-out when their work is completed or before going anywhere else on the web. This ends the session from particular system/platform/device.

Encryption methods (algorithms):

In this for the password protection, we provide server authentication by some latest data encryption techniques. Data encryption is a way of translating data into a form that is not possible to read or understand without the deciphering methods/mechanism. By special algorithm the protection will be provided like advanced encryption system (AES).

CHAPTER NO: 3

SYSTEM ANALYSIS AND MODELING

3.0 System analysis modelling-user-based

3.1 Feasibility Study

The system we have to develop is feasible or not we believe that we should emphasize on what is implied by the word "Feasibility". Feasibility is the measure of how beneficial or practical the development of the system will be to the organization. It is a preliminary survey for the systems investigation. It aims to provide information to facilitate a later in-depth investigation.

The report produced at the end of the feasibility study contains suggestions and reasoned arguments to help management decide whether to commit further resources to the proposed project.

The old system is very much time consuming and so much manpower is wasted in this system of working. In short, the feasibility study tries to anticipate future scenarios of system development.

3.1.1 Technical Feasibility

The software or tools necessary for building or running the application were easy available within our organization. The technical needs of the application are Internet Connection, Browser Ex. Google Chrome.

3.1.2 Economic Feasibility

Economic Feasibility Addresses The Following Issues: Are there sufficient benefits in creating the system to make the cost acceptable? If we count the benefits of developed system then it is very much economical in the terms of time and manpower saving. Hence, it is very much feasible in cost saving also. As development tools and software is free of cost, there isn't any burden of buying them. So, here we do not need to invest extra funds to develop the system. Thus, it is economically feasible to the organization.

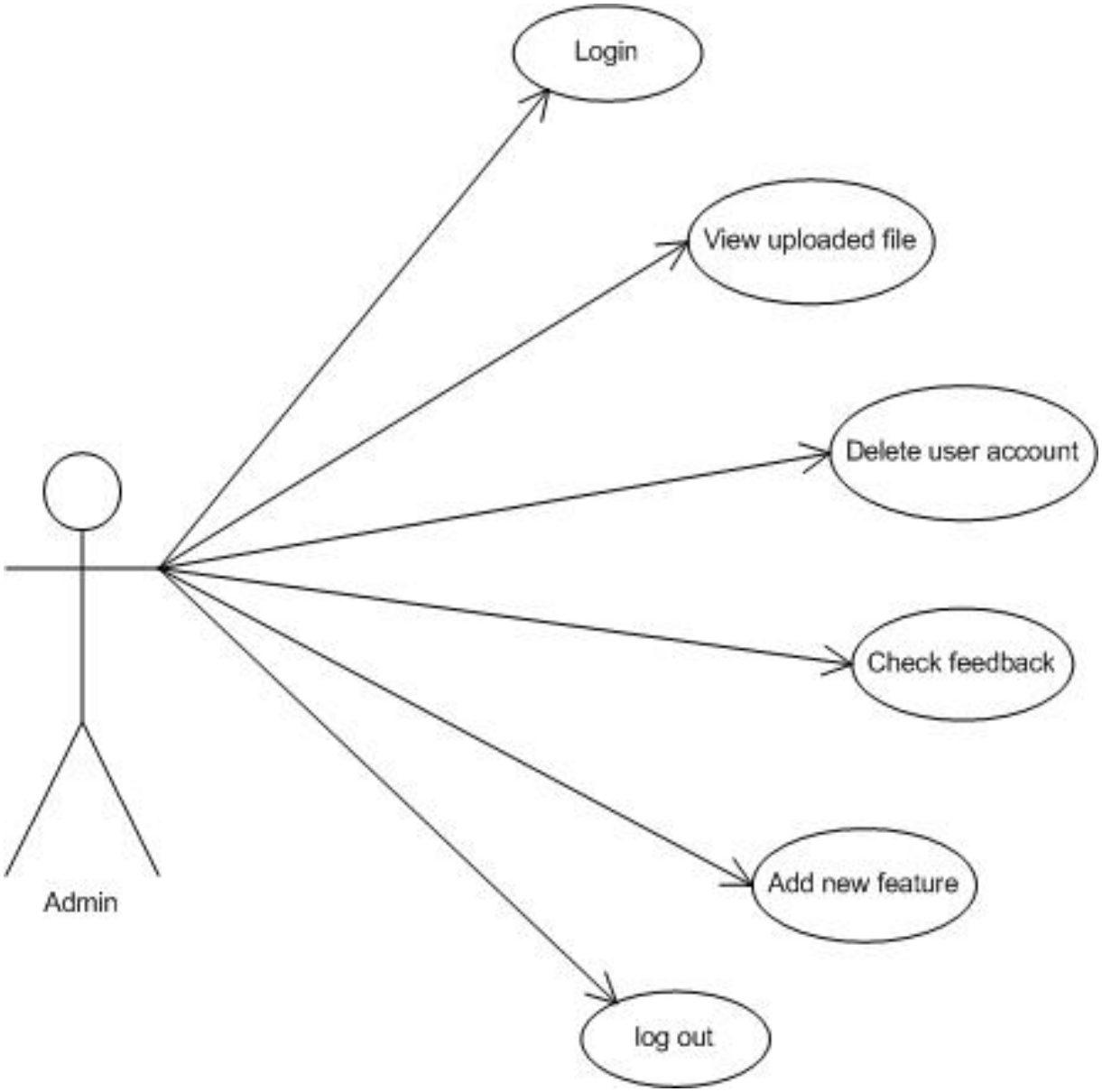
3.1.3 Time Feasibility

Time Feasibility: 5 months
Starting Time: 16-6-2018
Ending Time: 22-10-2018
To develop this project we need 4 months' time. So that, we can develop our project according to the user's requirements.

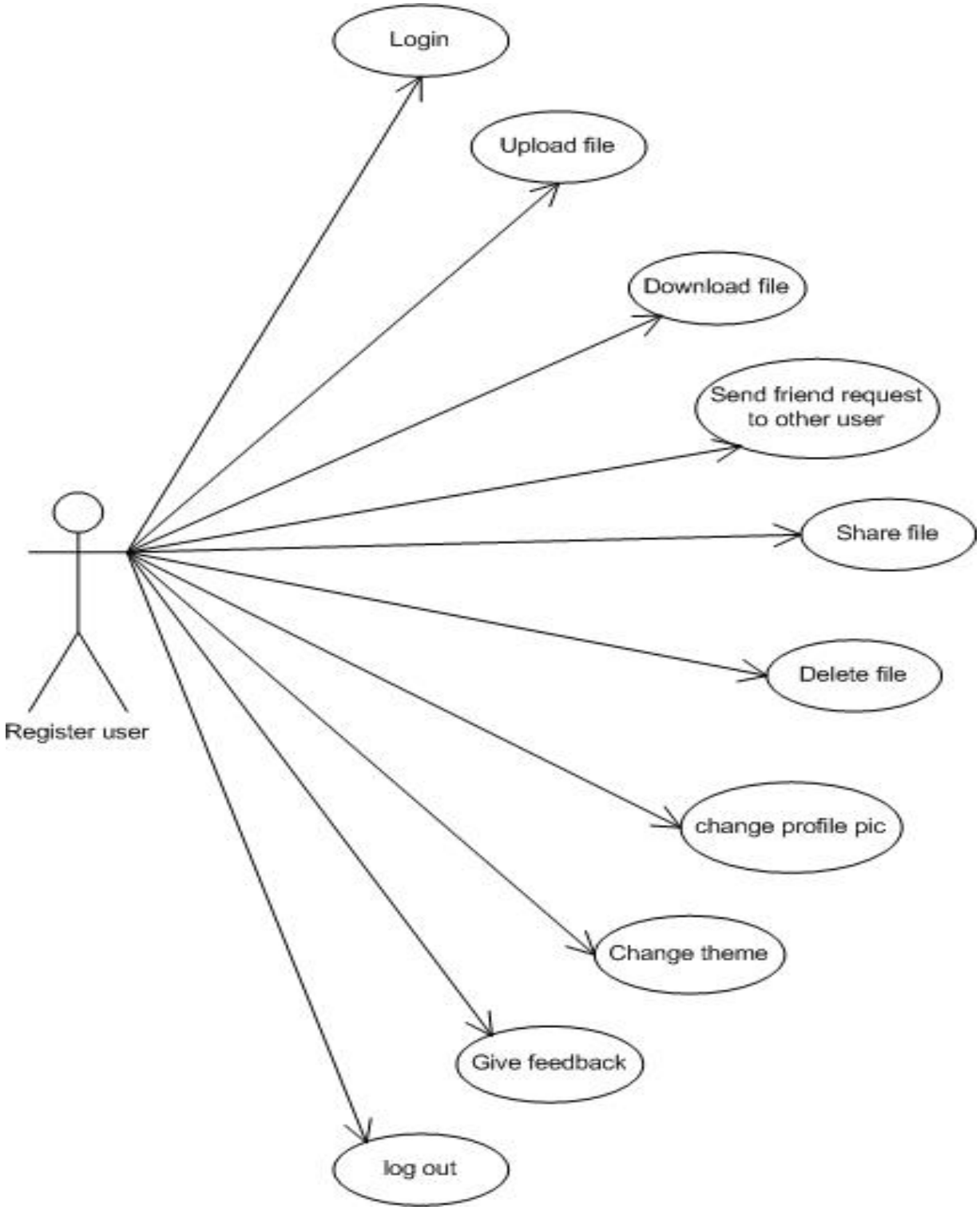
3.2 User-Based Modeling

3.2.1 Use Case Diagrams

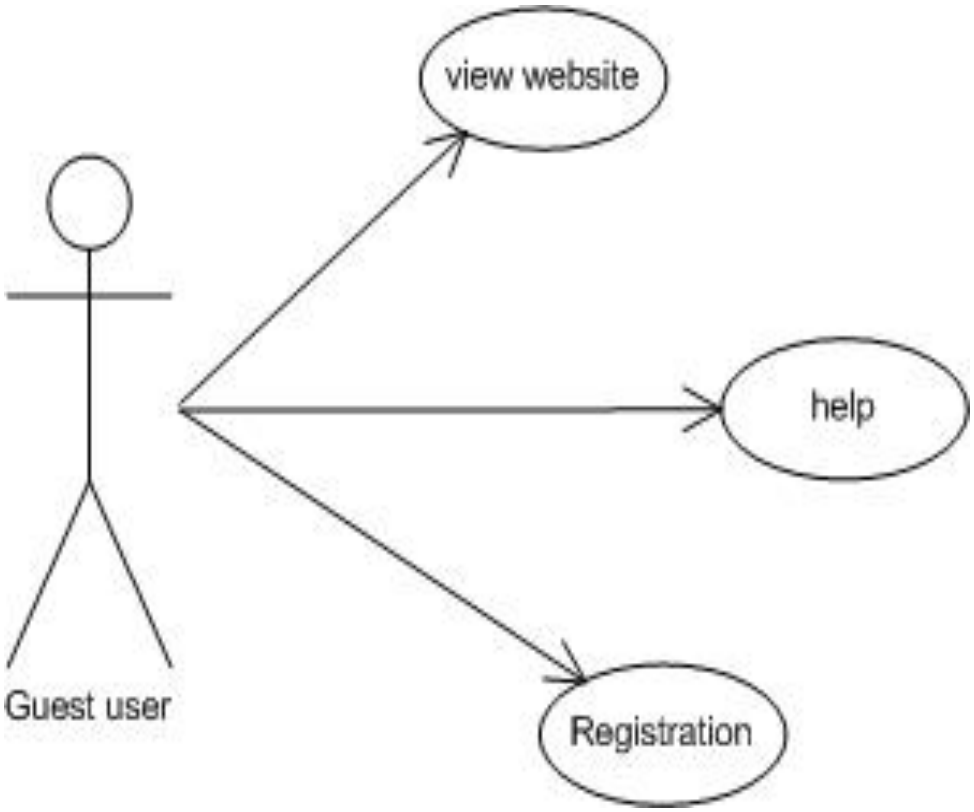
Use Case Name: -Admin



Use Case Name: -Register user



Use Case Name: -Guest User



CHAPTER NO: 4

SYSTEM ANALYSIS AND DESIGN

4.0 System Analysis and Designs-Data-Based

4.1 Data modelling

4.1.1 Data dictionary

Table No. : - 01
Table Name: -Admin

Field Name	Field Data type	Constraint
Aid	Char(3)	Primary key
Aname	Varchar(255)	Not Null
Password	Varchar(255)	Not null

Table No. : - 02
Table Name: -Reg_user

Field Name	Field Data type	Constraint
Uid	Char(20)	Primary key
Name	Varchar(255)	Not Null
Username	Varchar(255)	Not null
Email	Varchar(255)	Not Null
Con_no	Number(10)	Not Null
Dob	Date	-
Gender	Varchar(255)	-
Password	Varchar(255)	Not Null
Profile_pic	Varchar(255)	-
Theme	Varchar(255)	-

Table No. : - 03
Table Name: - Friend

Field Name	Field Data type	Constraint
Fid	Char(3)	Primary key
Sender	Varchar(10)	Not Null
Receive	Varchar(10)	Not null

Table No. : - 04
Table Name: -Fr-List

Field Name	Field Data type	Constraint
Uname	Varchar(255)	Not Null
Fname	Varchar(255)	Not Null

Table No. : - 05
Table Name: - Notification

Field Name	Field Data type	Constraint
Id	Number(255)	Primary key
Uid	Number(255)	Foregin key
Rname	Varchar(255)	Not Null
Sname	Varchar(255)	Not Null
Msg	Varchar(255)	Not Null
Status	Varchar(255)	Not Null

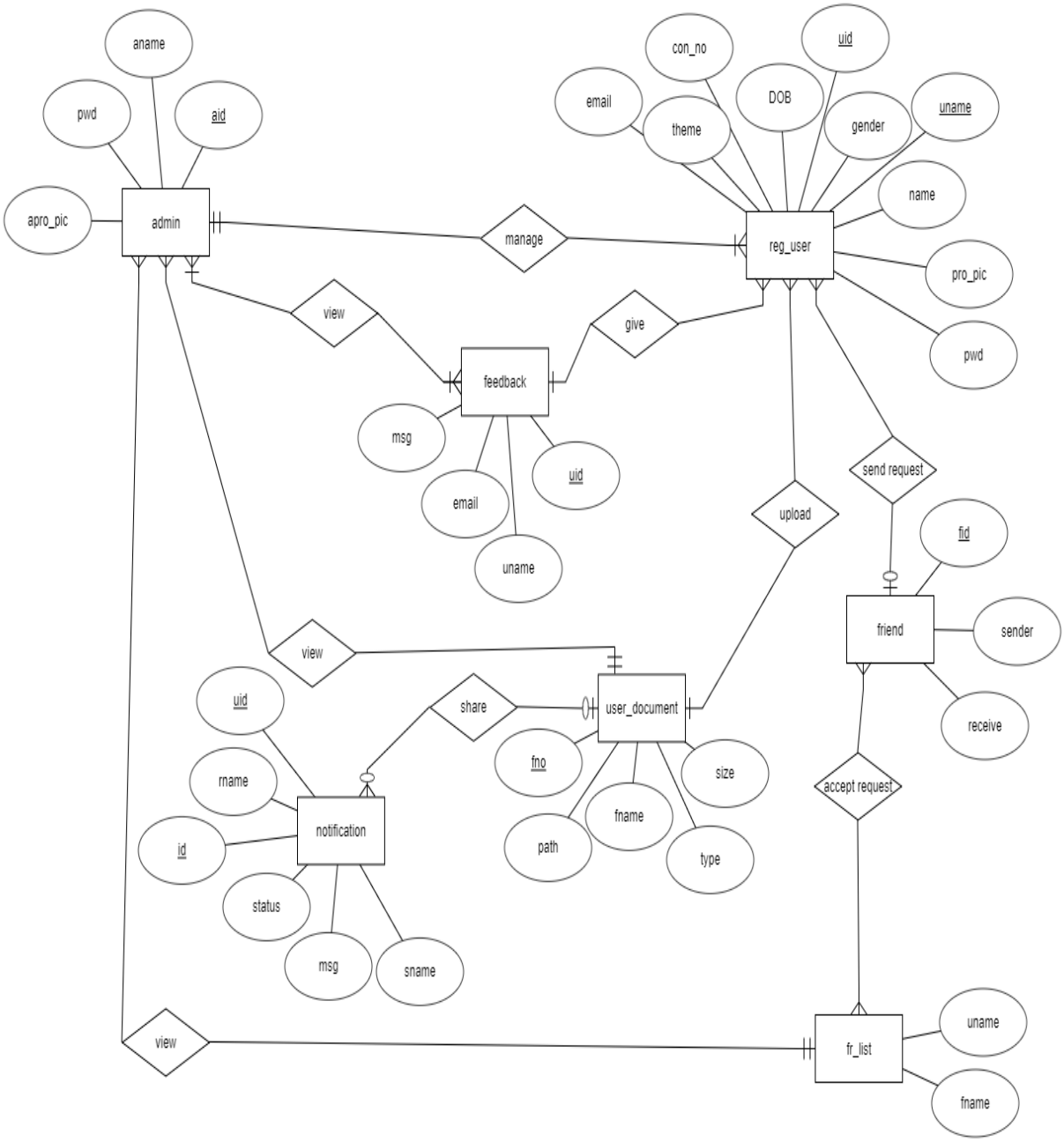
Table No. : - 06
Table Name: -feedback

Field Name	Field Data type	Constraint
Uid	Number(255)	Forign key
Username	Varchar(255)	Not Null
Email	Varchar(255)	Not Null
Msg	Varchar(255)	Not Null

Table No. : - 07
Table Name : - user_document

Field Name	Field Data type	Constraint
Fno	Number(255)	Primary key
Fname	Varchar(255)	Not Null
Size	Varchar(255)	Not Null
Type	Varchar(255)	Not Null
Path	Varchar(255)	Not Null

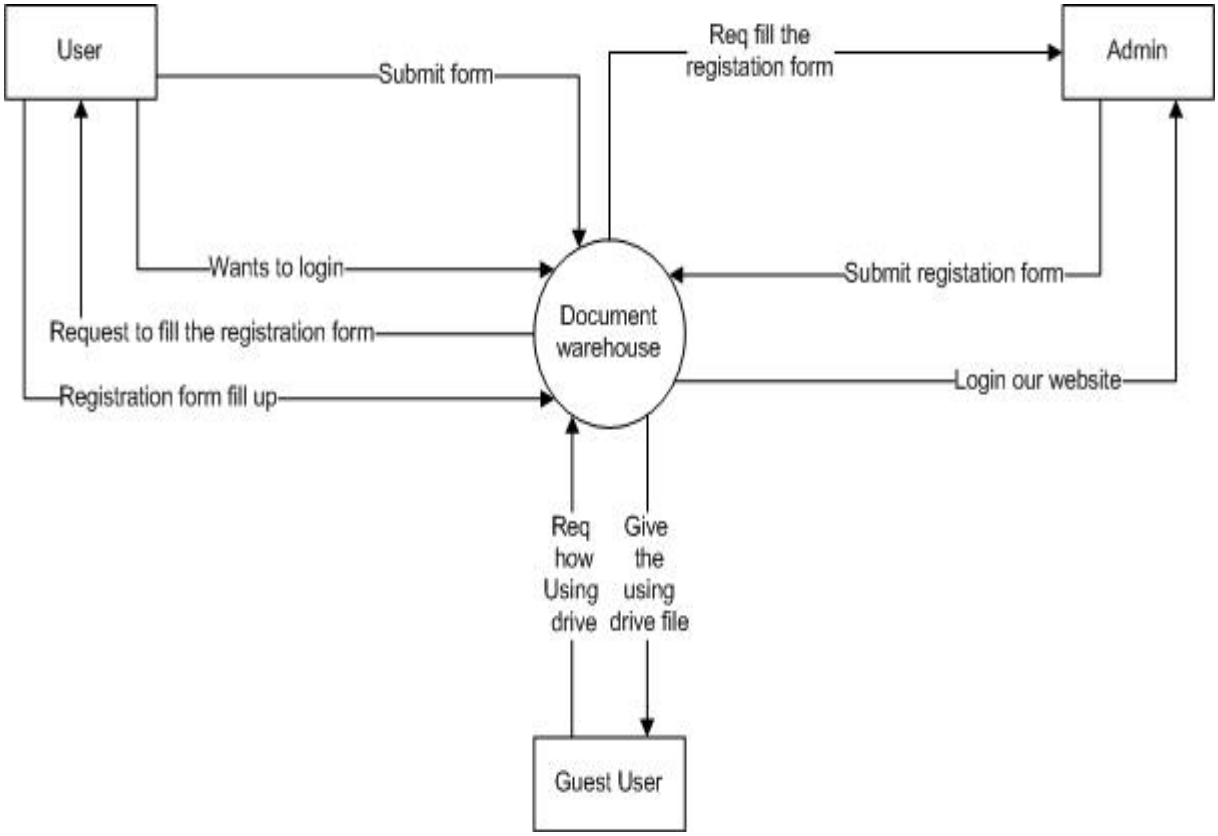
4.1.2 E-R (Entity-elationship) Diagram



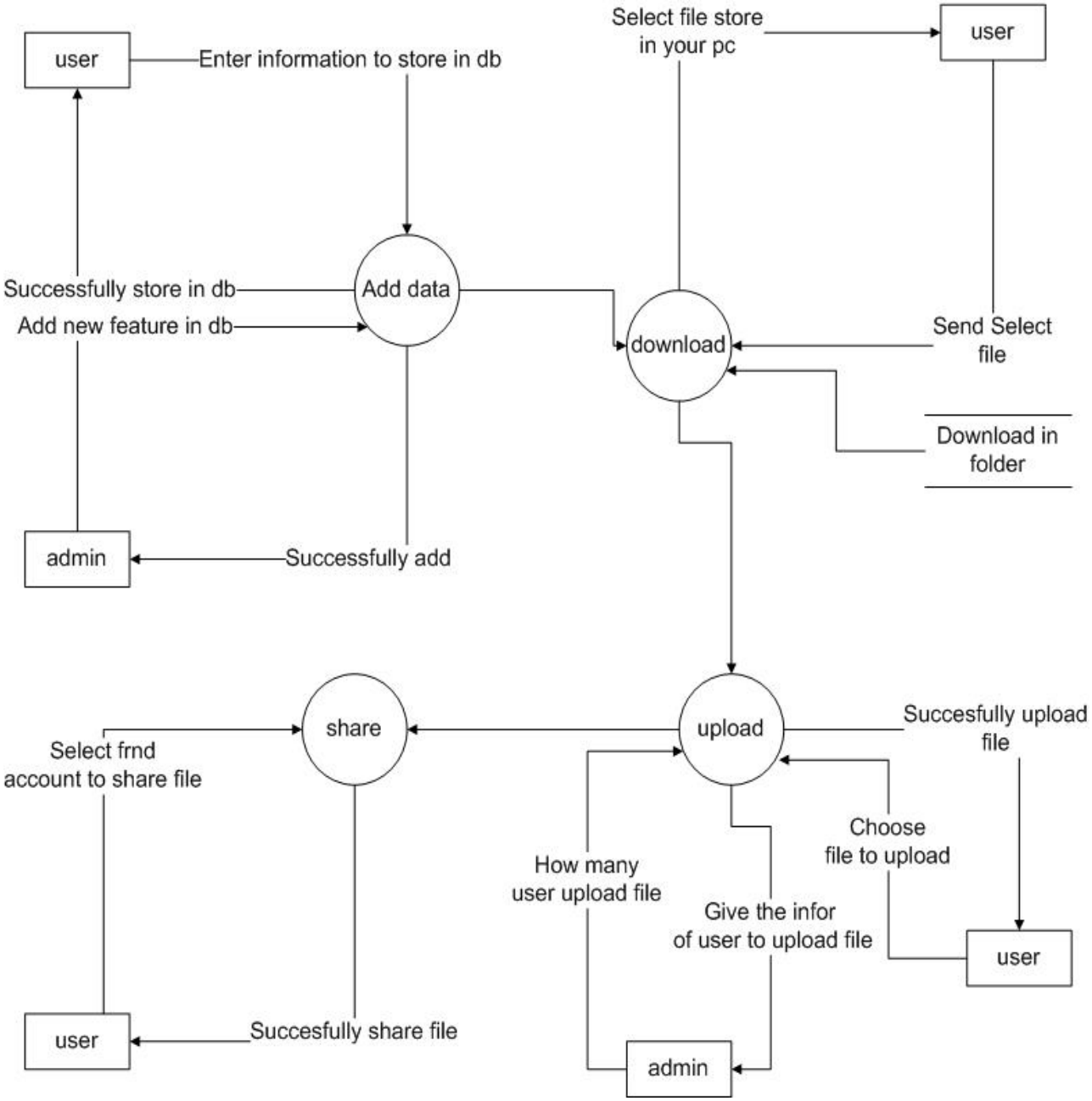
4.2 Behavioral Modeling

4.2.1 Data Flow Diagram

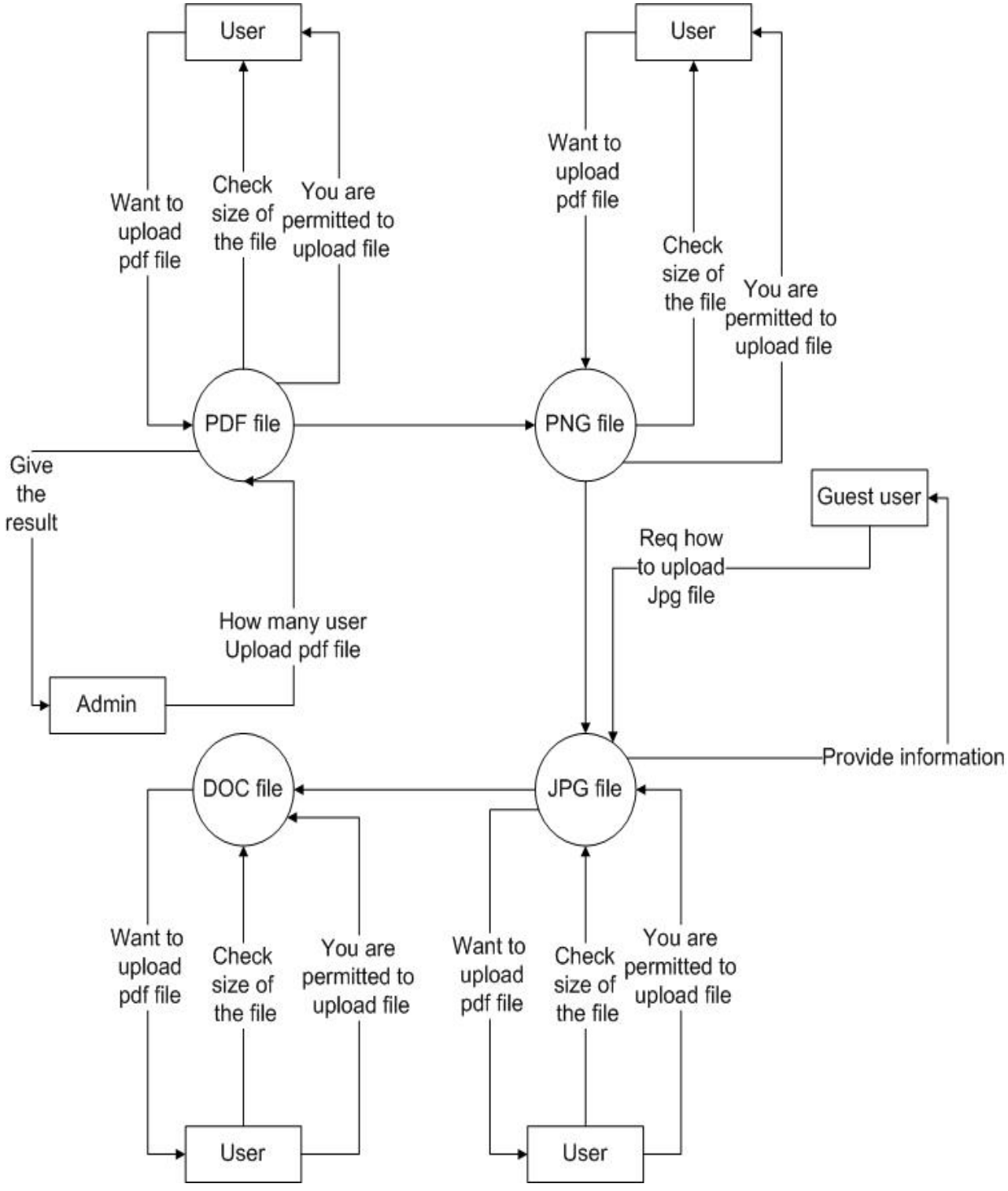
4.2.1.1 Context Level Diagram (Level 0)



4.2.1.2 DFD – Level 1



4.2.1.3 DFD – Level 2



CHAPTER NO: 5

CODING AND TESTING

5.1 sample code
5.2 sample test cases

5.0 coding and testing

5.1 sample code

```
<?php
include 'conn.php';
session_start();
$id=$_SESSION['uid'];
if(isset($_POST['submit']))
{
	$Name=$_POST['name'];
	$file=$_FILES['file'];
	$fileName=$_FILES['file']['name'];
	$fileTmpName=$_FILES['file']['tmp_name'];
	$fileSize=$_FILES['file']['size'];
	$fileError=$_FILES['file']['error'];
	$fileType=$_FILES['file']['type'];
	$fileExt=explode('.',$fileName);
	$fileActualExt= strtolower(end($fileExt));
	$allowed = array('jpg' ,'jpeg','png','pdf','mp4','mp3','zip','ppt','docx','txt');
	if (in_array($fileActualExt, $allowed)) {
		if ($fileError===0) {
			if ($fileSize<100000000) {
				$fileNameNew=$Name.".".$fileActualExt;
				$fileDestination="upload/".$fileNameNew;
				move_uploaded_file($fileTmpName,$fileDestination);
				$sql="insert into a0$id (fname,type,size,path)
values('$Name','$fileActualExt','$fileSize','$fileDestination')";
				$res=mysqli_query($conn,$sql);
```

```
                        if($res){
                                header("Location:index.php?uploadsuccess");
                        }
                }else{
                        echo "your file is too big!";
                }
        }else{
                echo "There was an error uploading your file!";
        }
    }
    else {
        echo "you can not upload file of this type!";
    }
}
?>
```

5.2 test cases with simple inputs and outputs

TEST CASE:

ADMIN:

Test Case No.	Test data	Expected result	Actual result	result	Test type
1.	Login of admin	Successfully login	Login success	Pass	Unit testing
2.	Add new features	Add features successfully	successfully	Pass	Unit testing
3.	View feedback	Successfully viewed	Successfully	Pass	Data base testing
4.	view user information	Successfully Viewed	Successfully	Pass	Data base testing
5.	view uploaded file	Successfully Viewed	Successfully	Pass	Data base Testing
6.	Delete user account	Successfully Deleted	Successfully	Pass	Data base Testing
7.	Logout of Admin	Admin logout successfully	Successfully logout	Pass	Data base Testing

User:

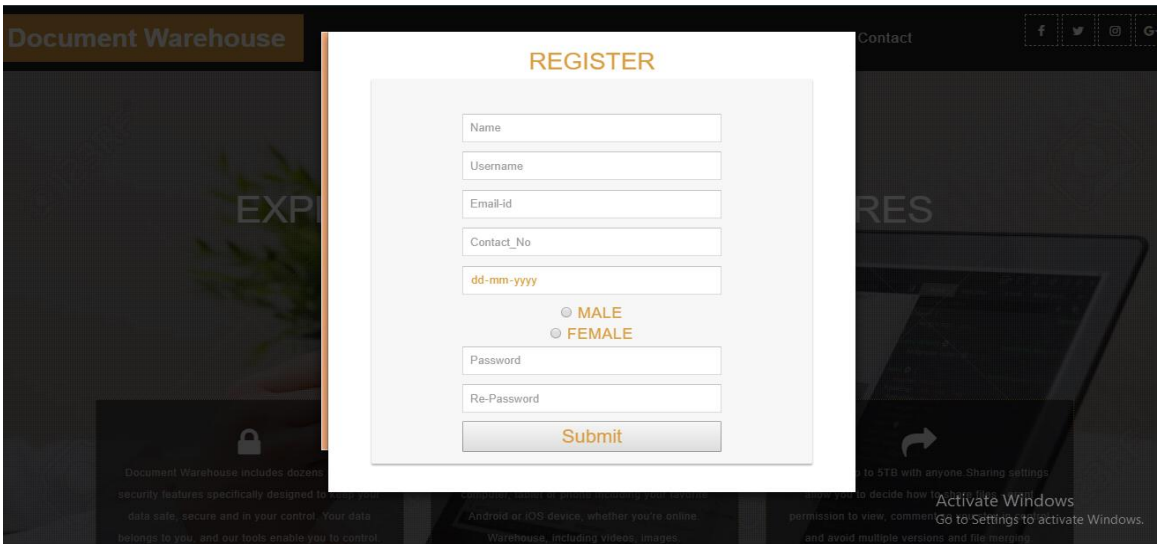
Test Case No.	Test data	Expected result	Actual result	result	Test type
1.	Login of user	Successfully login	Login success	Pass	Unit testing
2.	Upload file	Successfully Upload	successfully	Pass	Unit testing
3.	Download file	Successfully Download	Successfully	Pass	Data base testing
4.	Send friend request	Successfully send	Successfully	Pass	Data base testing
5.	Share file	Successfully Share	Successfully	Pass	Data base Testing
6.	Delete file	Successfully Delete	Successfully	Pass	Data base Testing
7.	Change profile	Successfully set Profile	Successfully	Pass	Unit testing
8.	Change Theme	Successfully set theme	Successfully	Pass	Unit testing
9.	Give Feedback	give feedback successfully	Successfully give feedback	Pass	Unit testing
10.	Logout of user	User logout successfully	Successfully logout	Pass	Data base Testing

CHAPTER NO: 6

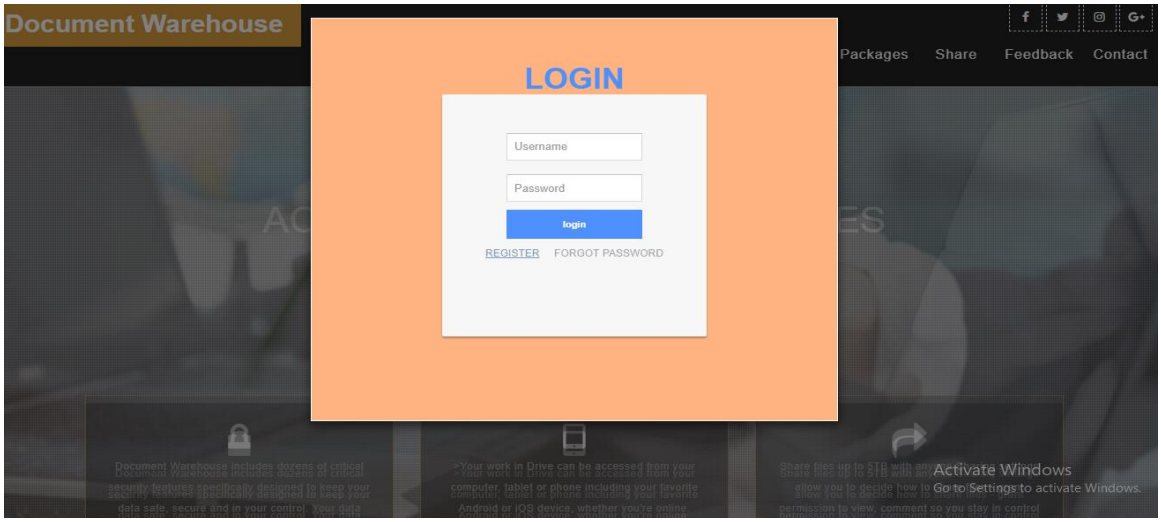
SYSTEM INTERFACE DESIGN

6.1 System Screenshots

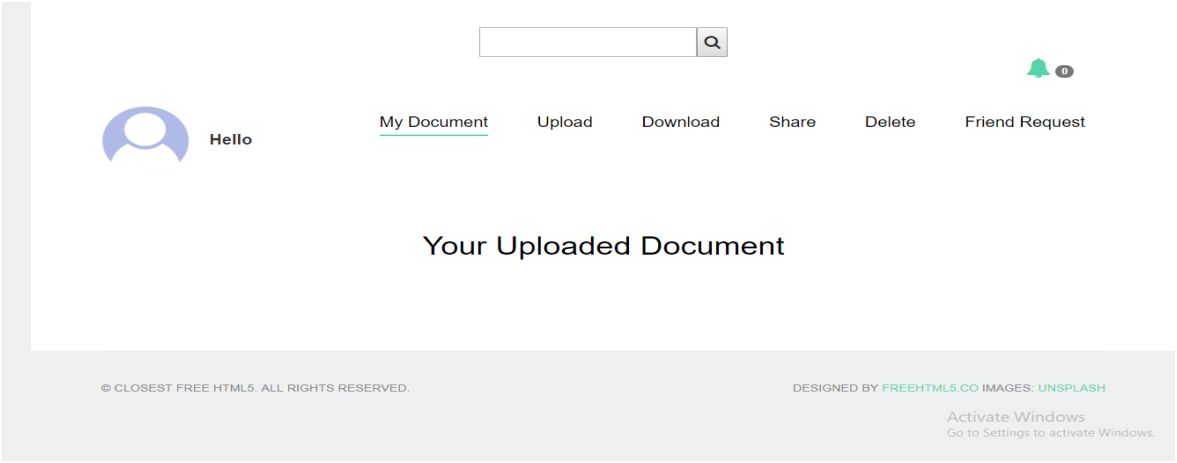
- Registration



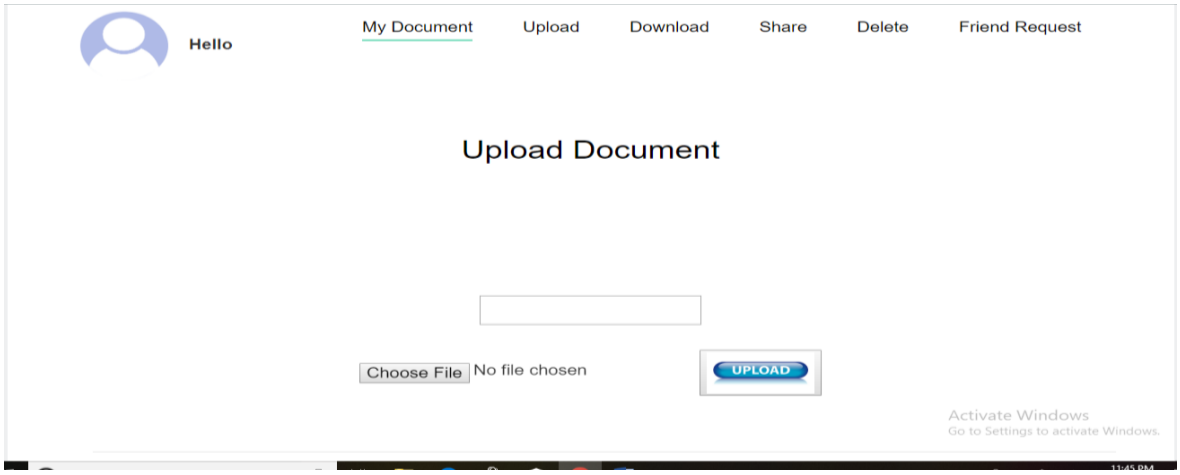
- **Login:**



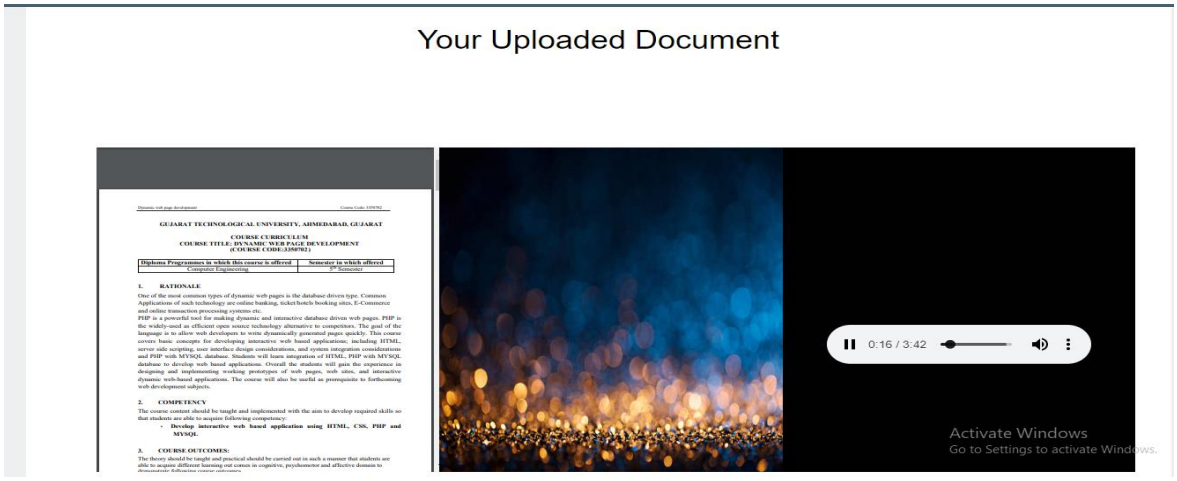
- **After login:**



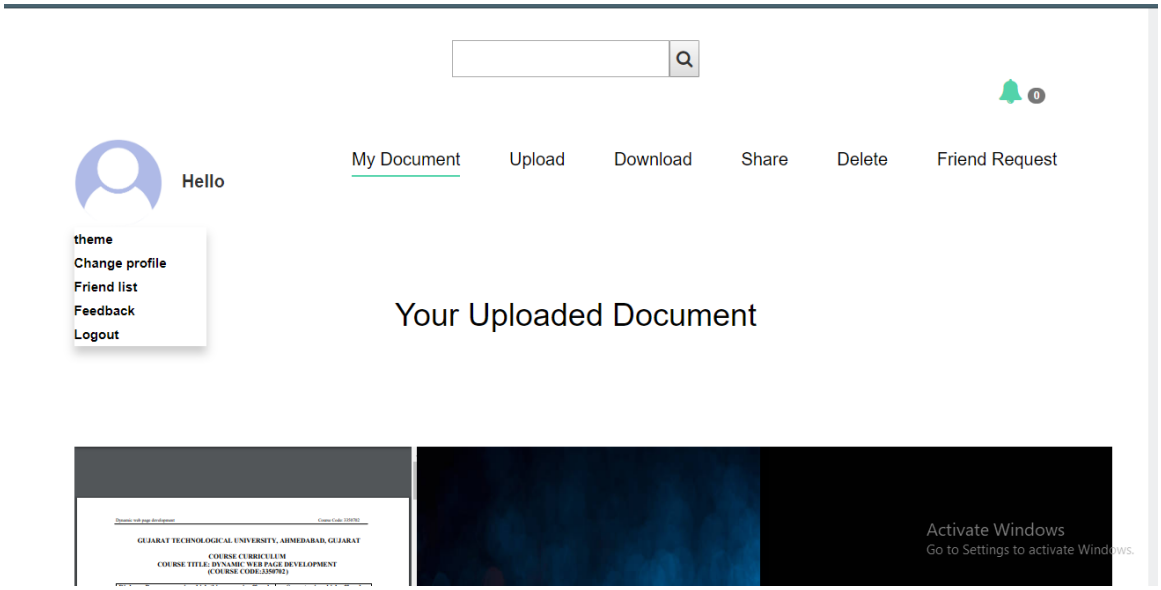
- **User upload data:**



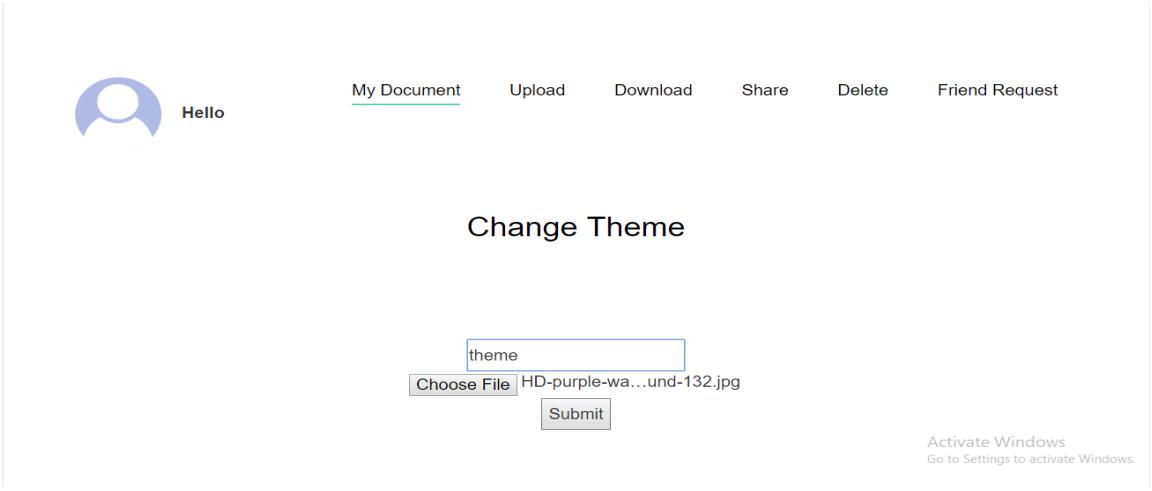
- **After upload user see their data:**

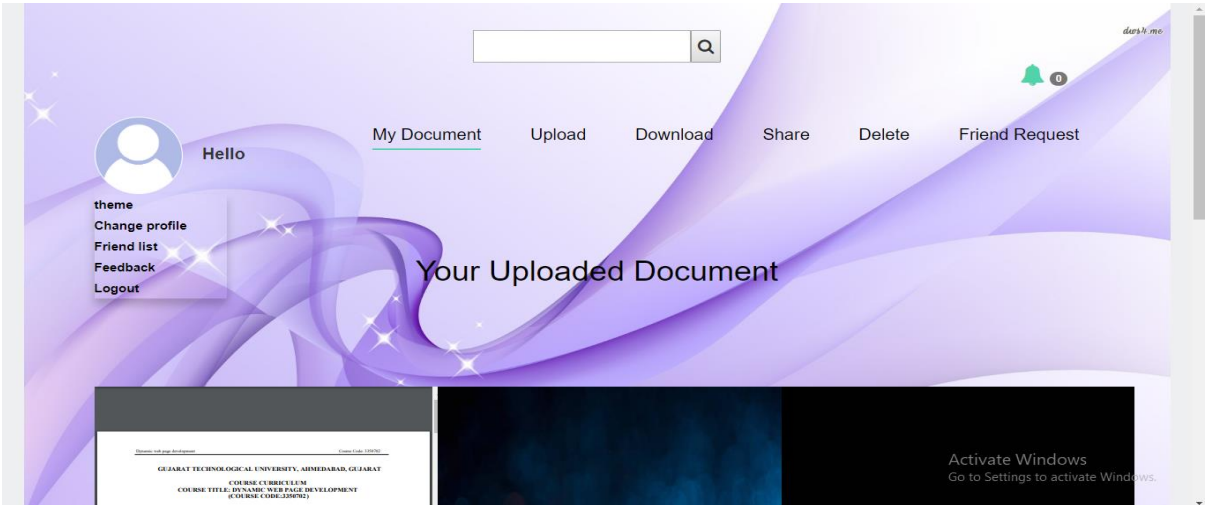


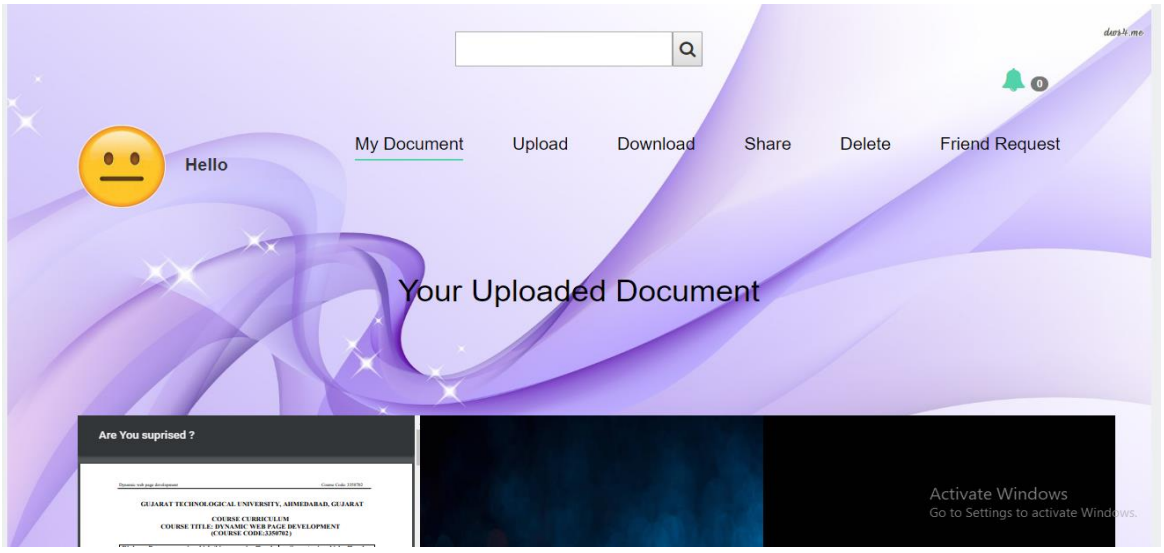
- **User can set theme and profile**



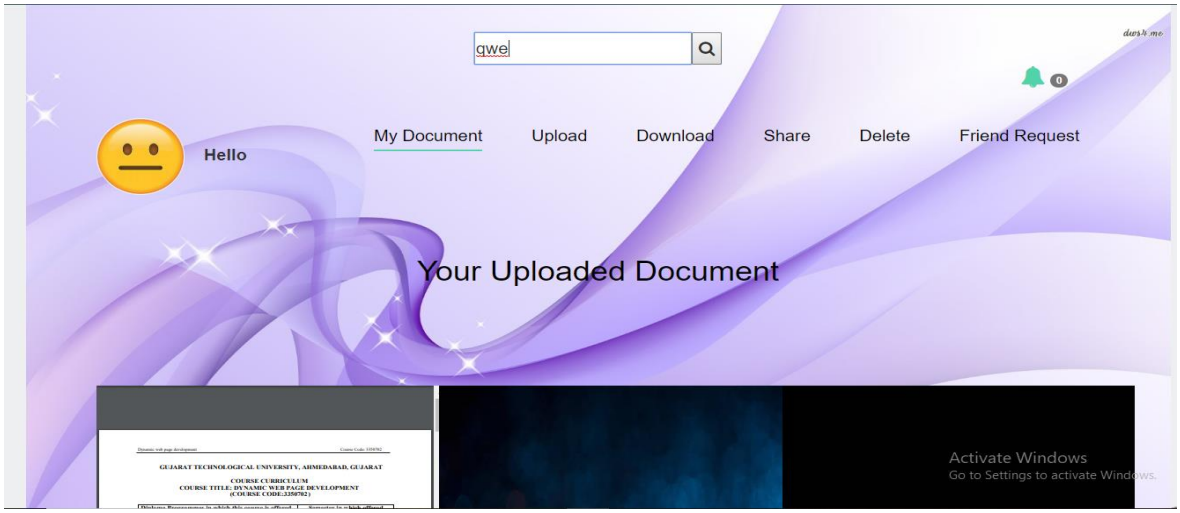
- **Upload image to set as theme**



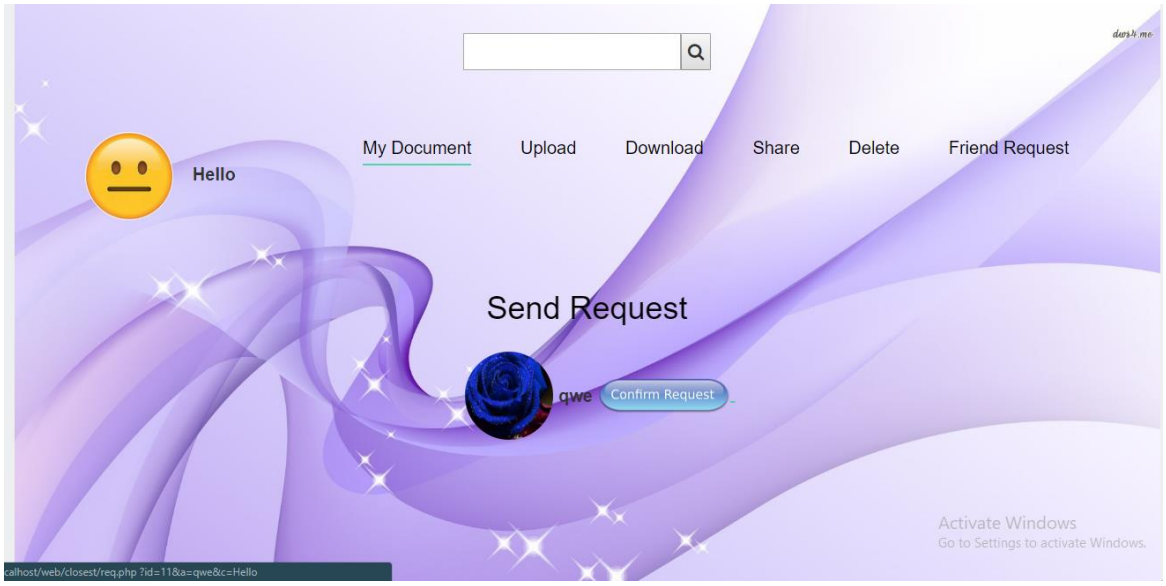




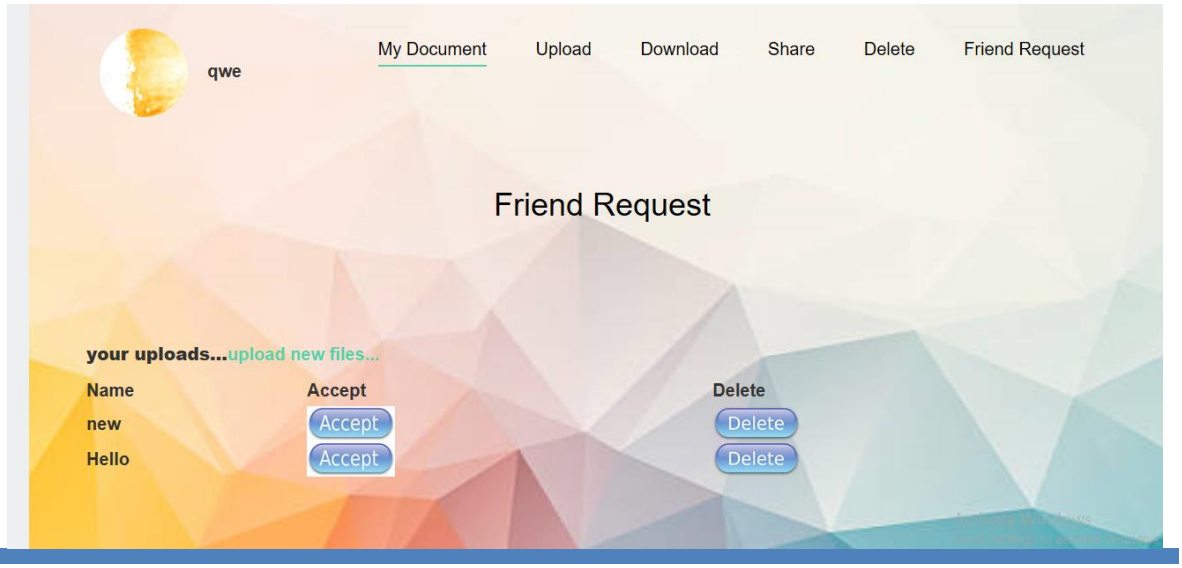
- **User search another user who is registered in warehouse**



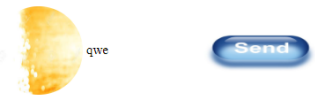
- **And send friend request**



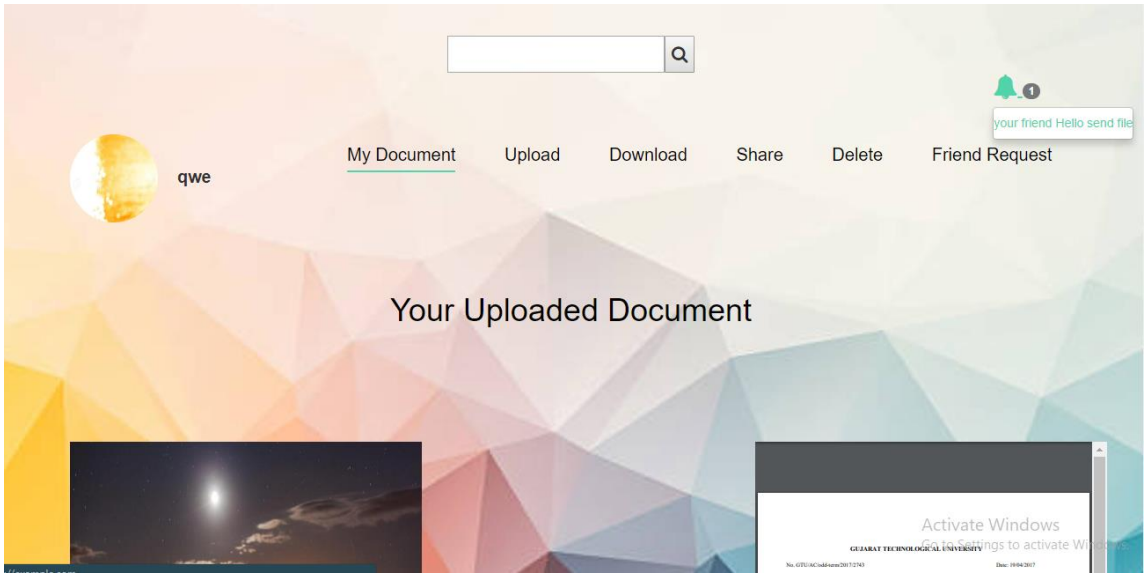
- **After log in qwe see two option accept request or delete**



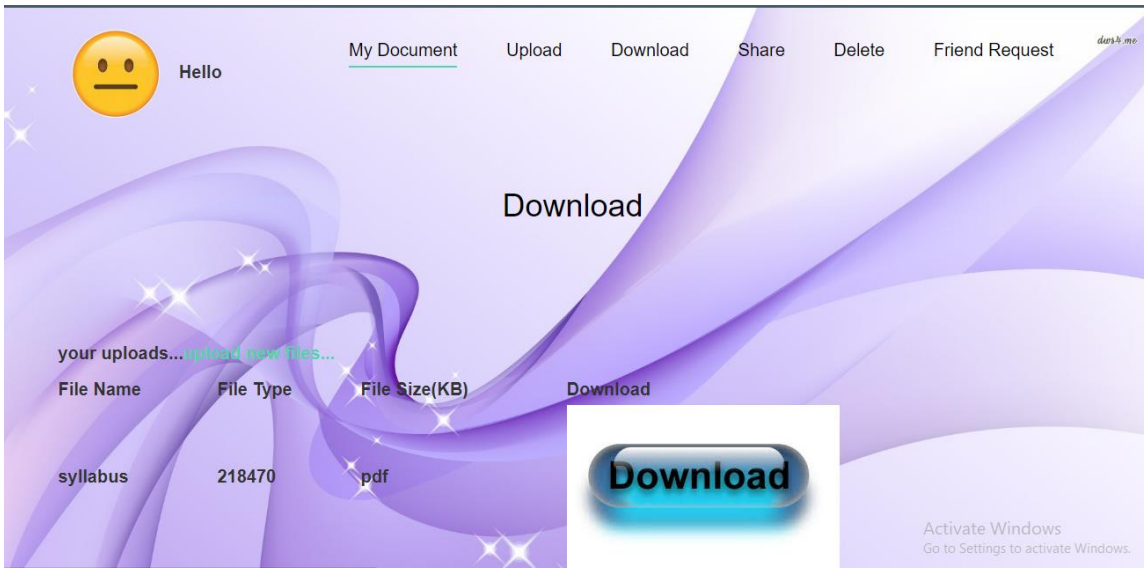
- **Here Hello user is capable to share file to their friend**



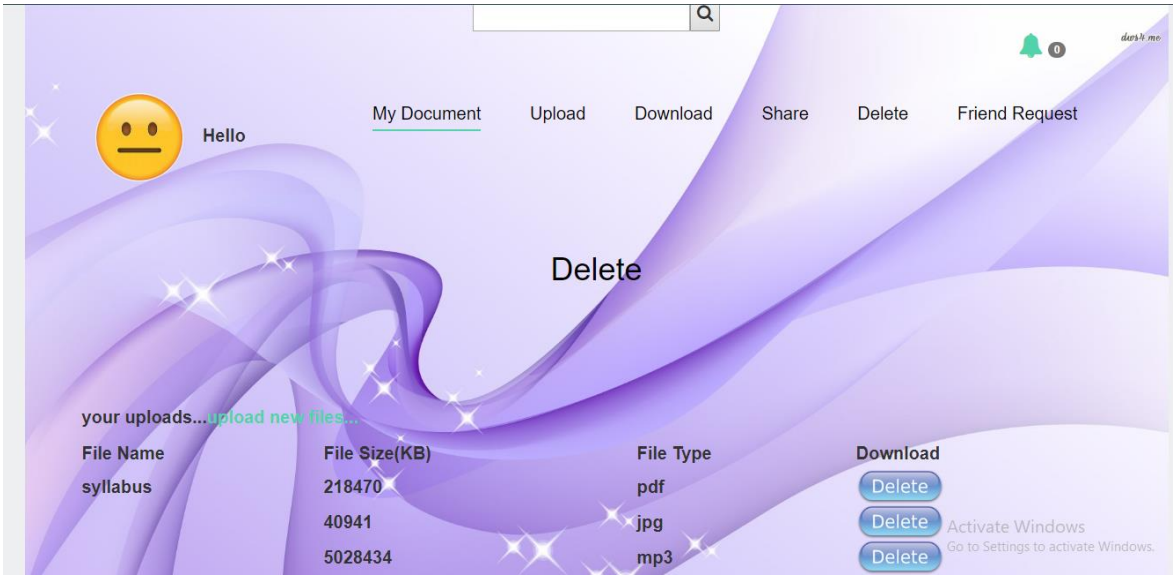
- **And then check qwe user account, qwe get notification**



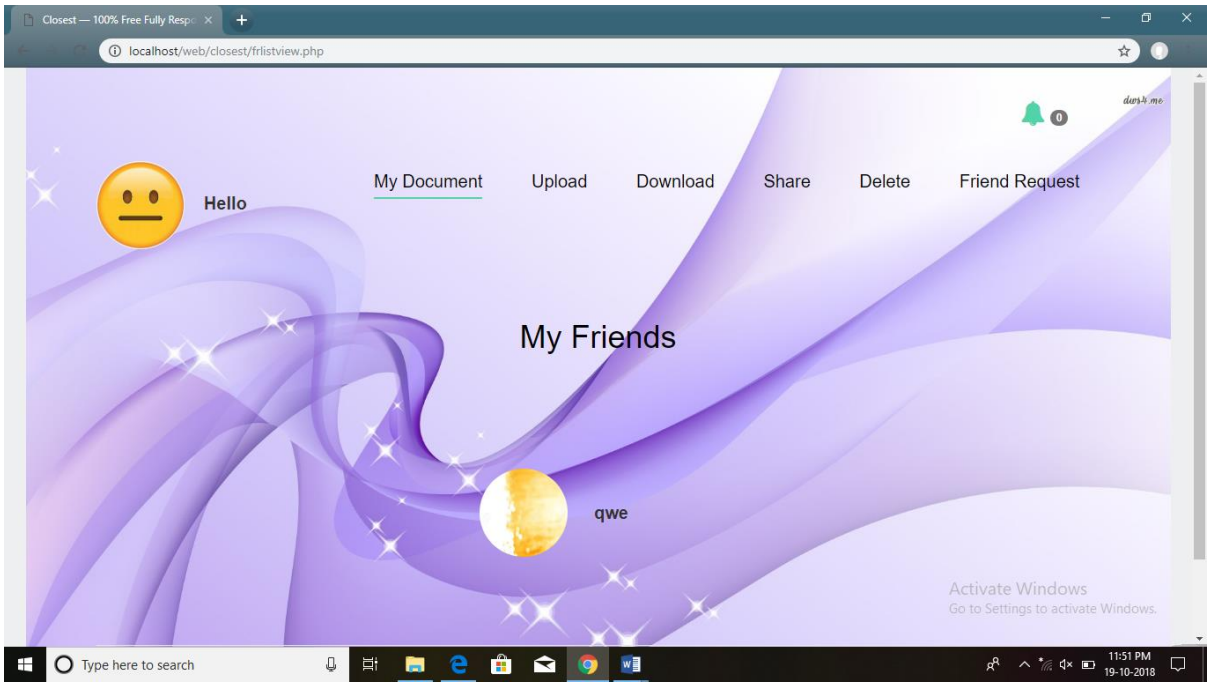
- **User download their files**



- **User delete file**



- **User see their friend list**



7.0 future enhancements

we will upgrade our site by improving our payment way by net banking and can also use your debit card, credit card.

sign up with facebook, google+, twitter, instagram

big discounts and many offers will coming soon in our site.

8.0 Reference :

- **https://www.google.com/drive**
- http://www.w3schools.com/php/default.html
- http://www.w3schools.com/css/default.html
- https: //en.wikipedia.org
- http://www.youtube.com