Chapter 1

Introduction

1.1 Preamble

The project titled Development of Research Paper Management Portal System is a management software for monitoring and controlling the uploading and downloading the paper. The project Development Of Research Paper Management Portal System is developed in PHP. Which mainly focus on the operations like adding a new paper, searching paper and admin have the access to view all the papers that have been inserted.

The system can run on any operating system. Designed to help users or admin to maintain the papers. Our software is easy to use both user and admin. It features are user friendly like an attractive user interface, combined with storing, searching, inserting a paper [1]. The Development of Research Paper Management Portal System has four main modules: Insertion to database module - User friendly input screen

Extracting from Database module - Attractive output screen Search facility system – search papers these days, a lots of research papers are stored on computers and servers using database which can be easily accessible to users at any place as long as they get permission to view the documents.

1.2 Literature Review

The importance of research paper has long been recognized by academics and practitioners from a variety of functional disciplines. Seeks to bring together this diverse body of knowledge into a coherent whole. To ensure that the key issues are identified, focuses on the process of Development of Research Paper Management Portal System design, rather than the detail of specific measures. Following a comprehensive review of the literature, proposes a research agenda [2].

Development Of Research Paper Management Portal System is designed in a specific form for storing papers into databases at which consists of all the details of the person as well as which type of paper is being published. All this information will be stored inside the database[3].The Admin can see who all are the registered user and research papers submitted by them. And also there is a counter to distinguish between international and national papers[4].All the manual activities are now can be done using computerized system.

1.3 Problem statement

A lead-in that helps ensure the users to manage there research papers. A declaration of originality [e.g., mentioning a knowledge void, that will be revealed by the literature review], An indication of the central focus of the papers [establishing the boundaries of analysis], and An explanation of the papers significance or the benefits to be derived from investigating the research problem.

1.4 Methodology of the project

User registrations are done by using registration module where the details of the users are added to the database. Users can login by using the credentials which are provided by them during registration. Administrator is given the privilege to view the details regarding the instances.

1.5 Technical Features of the project

- Web based prototype for analysing.
- It makes use of technologies like PHP 5.0, Mysql, CSS.
- Provides a platform for query consultancy.
- Visualization of components.

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Chapter 2

Requirement Analysis

2.1 Functional Requirement

Admin login

- Introduction: Administrator is provided with a login page where the credentials of the administrator are accepted and given access to the home page of the administrator. Here the administrator can add the details related to the event organizing.
- Input: Username and password of the administrator has to be given as input.
- Processing: The credentials of the administrator are verified by the credentials which are stored in the database that of administrator's.
- Output: The administrator is given access to the homepage where in the administrator perform the tasks related.

Registration for new user

- Introduction**:** New user is directed to the registration page where the details (such as name and contact details) of the user.
- Input**:** The new user has to give name, address, email, phone number, password to be assigned as the input.
- Processing**:** The details given by the user are stored in the database and an id is generated in which has to be used as the user id during login.
- Output**:** The user is redirected to the homepage of the application after the details are successfully registered.

User login

- Introduction: The user is provided with the user login page where the user has to enter his/her credentials.
- Input: The user's credentials are accepted as input.
- Processing**:** The credentials given by the user are mapped with the credentials with the details given by the user at the time of registration which are stored in the database.
- Output: The user is given access to the user homepage where in the user can perform operations such as viewing details.

2.2 Non Functional Requirement

- **Usability**

  The system must be easy to use by the users of the system such that they do not need to read an extensive amount of manuals.

- **Reliability**

  The System must give accurate inventory status to the user continuously. Any inaccuracies are taken care by the regular confirming of the actual levels with the levels displayed in the system. The System must successfully add the inventory, view inventory or delete the inventory.

- **Portability**

  This system can be easily deployed onto any devices or platforms.

- **Scalability**

  Our system has the capacity to handle growing amount of data, i.e. it has the potential to be enlarged to accommodate the growth of work.

- **Integrity**

  Our system has a user-friendly GUI which makes the person understand the working clearly who is using it.

Chapter 3

Software Requirement Specifications

3.1 Introduction

Software Requirement Specification (SRS) is the starting point of the software developing activity. As system grew more complex it became evident that the goal of the entire system cannot be easily comprehended. Hence the need for the requirement phase arose. The software project is initiated by the client needs. The SRS is the means of translating the ideas of the minds of clients (the input) into a formal document (the output of the requirement phase.)

The focus is on specifying what has been found giving analysis such as representation, specification languages and tools, and checking the specifications are addressed during this activity.

The interface that would be required to run the application, web applications and the third party tool that would be used for editing purposes. The Development Of Research Paper Management Portal System shall provide minimum hardware requirements.

3.2 Hardware and Software Requirements

3.2.1 Hardware Requirements

- Pentium IV processor architecture
- 256 MB RAM
- 40 GB Hard Disk Space

3.2.2 Software Requirements

- Database: MYSQL 5.5
- Server: APACHE 4.1
- Script: PHP and JAVASCRIPT
- Front end: HTML 5, CSS 3 and BOOTSTRAP

3.3 External Interfaces Requirements

Login to the system: The system shall recognize the user based on the login information (i.e. ,username and password), and based on the user's role, the system will show a different interface

The Development of Research Paper Management Portal System shall have two types of access/login

1. User
2. Admin, The Development Of Research Paper Management Portal System shall only be accessible to specified users and Admin with valid username or password.

3.4 Performance Requirements

The system interacts with the user and produces fast results without any delay (such as searching required research paper) .

3.5 Design Constraints

1. Hardware Limitations: The minimum hardware requirement for the system would be 128MB of Ram and a 32-MB hard-disc drive.
2. Accessibility: Initially, the software should be available as a desktop application for a small set of users to test.
3. Others: The application should be built using PHP and should be accessible through the World Wide Web.

Chapter 4

Analysis and Design

4.1 Architectural Design

Problem Specification:

The Development Of Research Paper Management Portal System application is designed such that it overcomes the issues in the existing system and its architectural design, the design with the current system being developed differs a lot.

4.1.1 Block Diagram

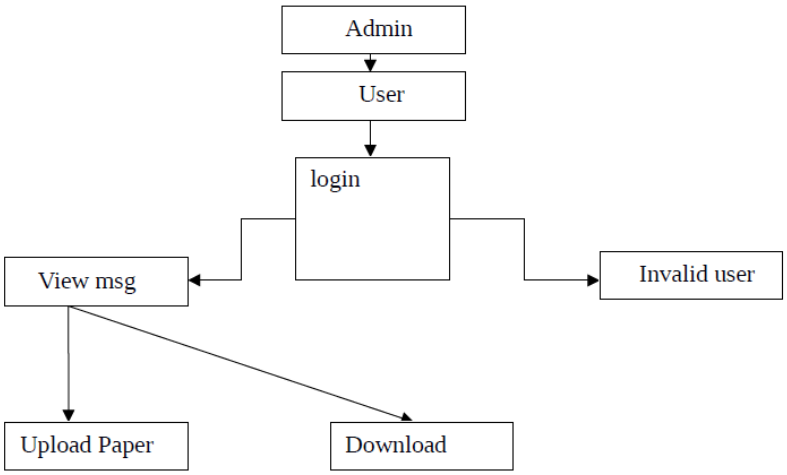

Fig 4.1.1. Block diagram Of System

This section would list the Activity diagram and would describe the flow of Activities in the system. A detailed description is than followed after the figure for each activity. Figure provides the overview of the Development Of Research Paper Management Portal System.

4.2 System Design

4.2.2 Class Diagram:

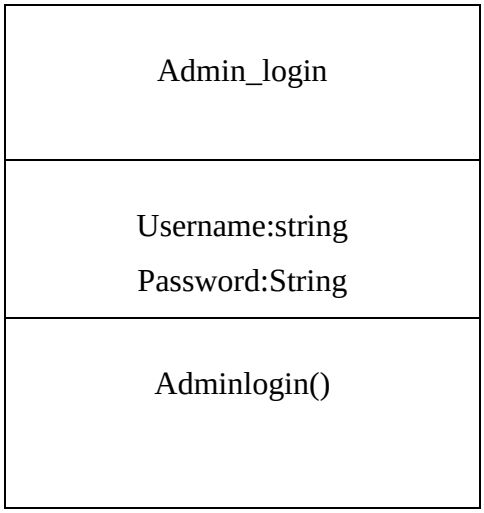

Fig 4.2.2. Class diagram for Admin Login

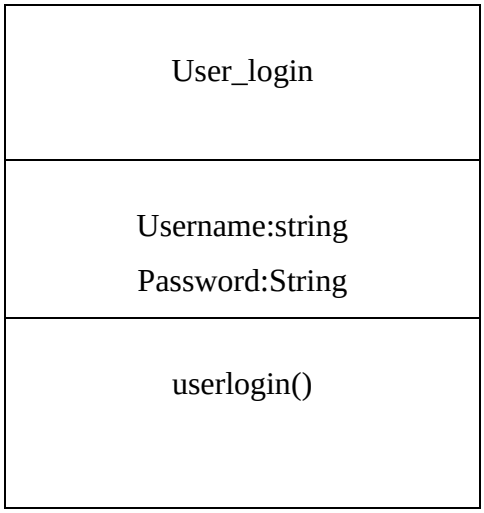

Fig 4.2.2. Class diagram for User Login

4.3 Use case Diagram:

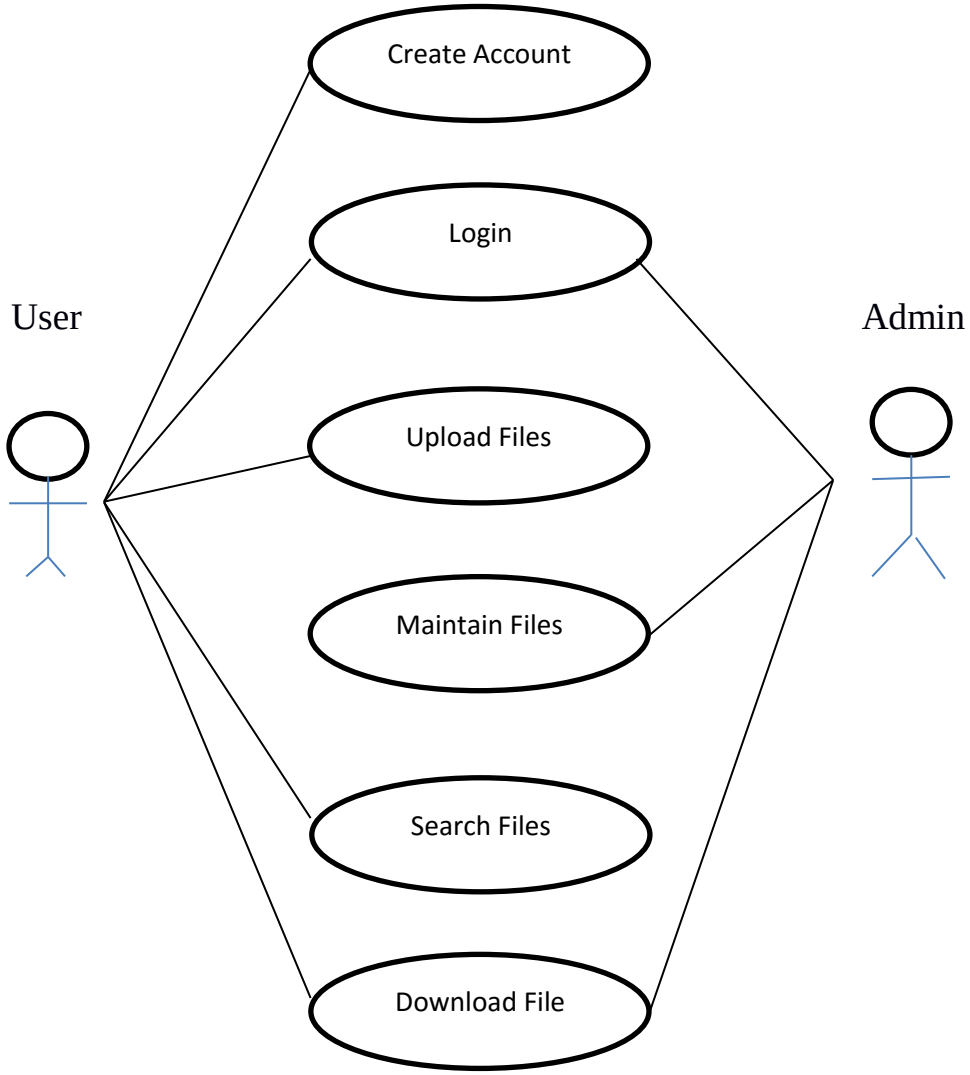

Fig 4.3 : Use Case Diagram of User and Admin

4.4 Data Flow diagrams:

4.4.1 Admin

Level 0 :

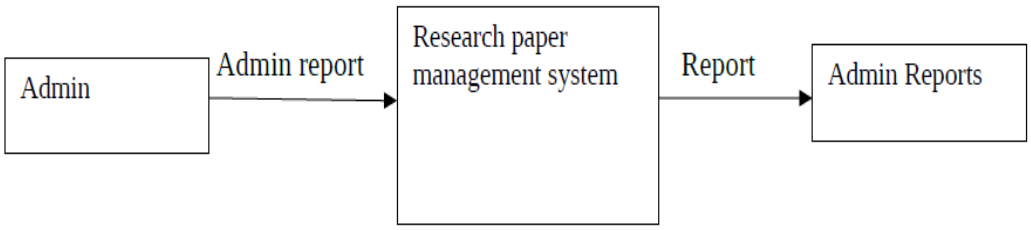

Fig 4.4.1. Level 0 DFD for Admin Module

Level 1:

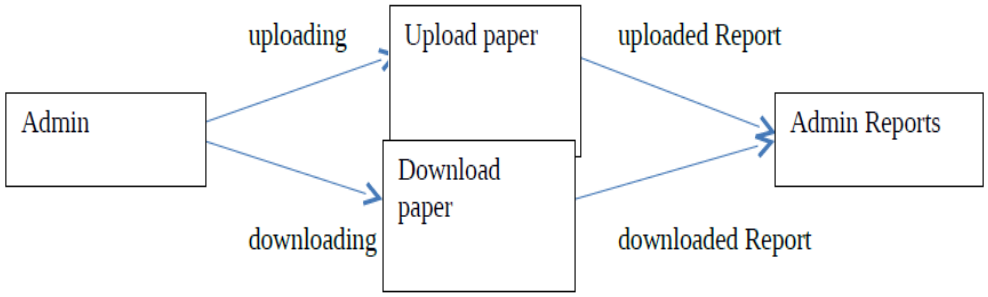

Fig 4.4.2. Level 1 DFD for Admin Module

User:

Level 0

Fig 4.4.3. Level 0 DFD for User Module

Level 1

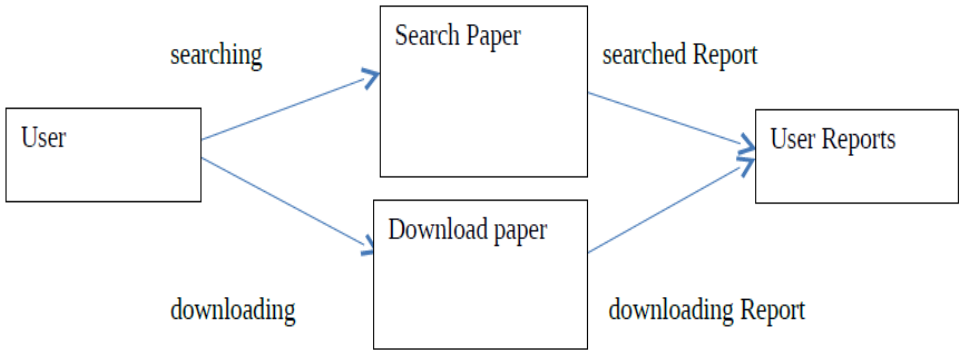

Fig 4.4.4. Level 1 DFD for User Module

4.5 Entity Relationship Diagram

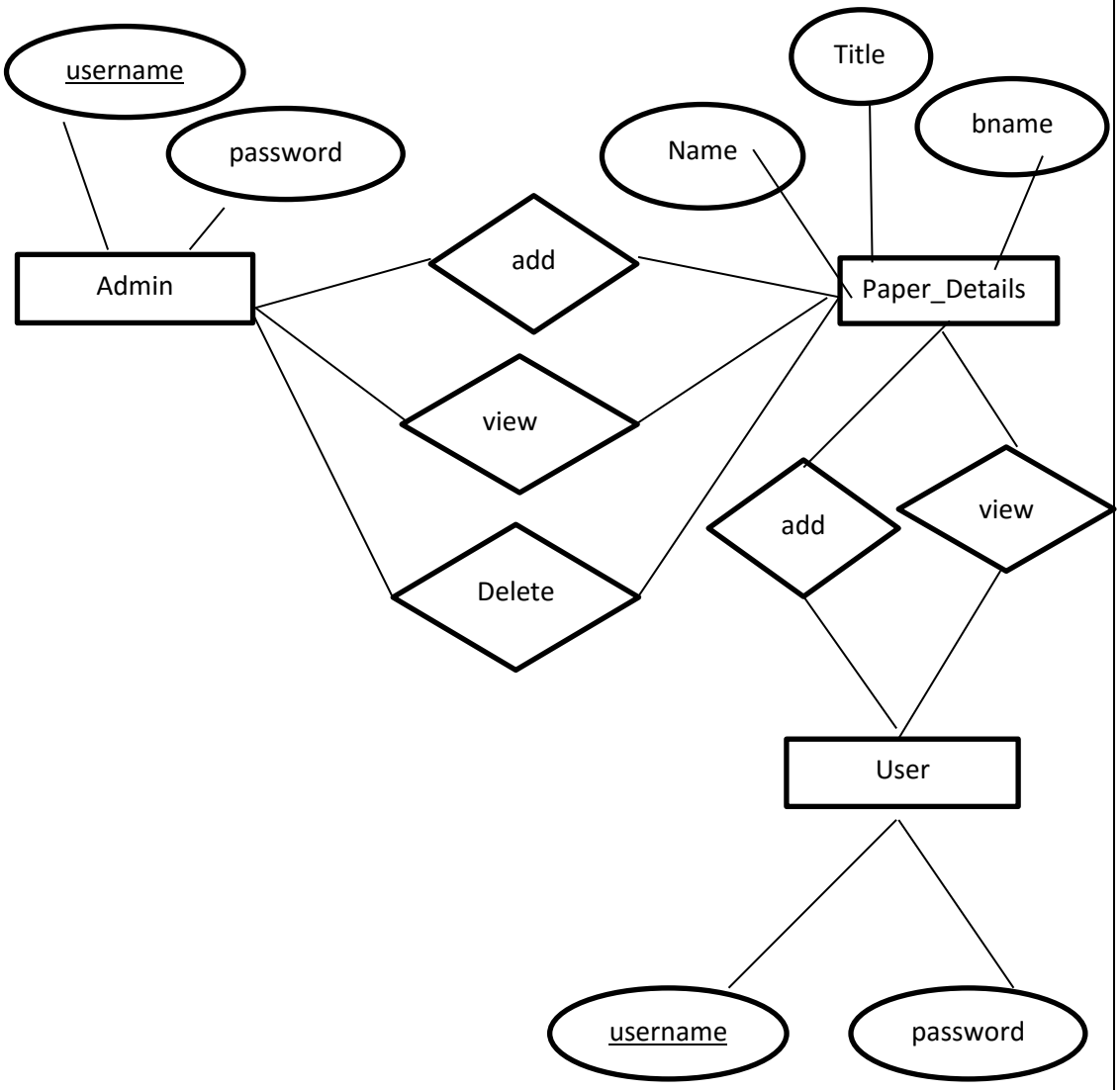

Fig 4.5. Entity Relationship Diagram Dovelopement of Research Paper Management System

Chapter 5

Implementation

Search.php

```
<?php
if(isset($_POST["L"])){
$con=mysql_connect("localhost","root","root");

mysql_select_db("research",$con);
$title=$_POST["title"];
  $res=mysql_query("select * from user where title='$title'");
   if(!$res)
   {
        $msg = "No data found";
                    echo "<script type='text/javascript'>alert('$msg');</script>";

                    mysql_close($con);
   }
   else
   {

      echo "<html><head> <link rel='stylesheet' type='text/css'
href='css/bootstrap.css'/> </head> <body>";
             echo "<div id='container' align='center'>";
             echo " <table class='table table-hover' style='font-size:10pt'>";
             echo "<thead>";
             echo "<tr
class='success'><th>NAME</th><th>TITLE</th><th>CONTACT</th></tr>";
             echo "</thead>";
             echo "<tbody>";
             while($row=mysql_fetch_array($res))
    {

        echo "<tr class='active'>";
                    echo "<td>".$row['name']."</td>";
                    echo "<td>".$row['title']."</td>";
                    echo "<td>".$row['contact']."</td>";

                    echo "</tr>";
    }
          echo "</tbody>";
}
}
 ?>
```

Retrieve.php

```
<?php

if(isset($_POST["L"])){
$dropshadow="drop-shadow";

$width=100;
$height=150;

$class="captionated";
$b_name=$_POST['b_name'];
include("connect.php");

$con=mysql_connect("localhost","root","root");
mysql_select_db("research",$con);
$res=mysql_query("select * from users where b_name='$b_name'");


 echo "<html><head> <link rel='stylesheet' type='text/css' href='css/bootstrap.css'/>
</head> <body>";
            echo "<div id='container' align='center'>";
            echo " <table class='table table-hover' style='font-size:10pt'>";
                  echo "<thead>";

                  echo "<tr class='success'><th>PAPER NAME</th><th>AUTHOR
NAME</th><th>LINK</th></tr>";
            echo "<tbody>";

while($row=mysql_fetch_array($res))
{
          $bookpath=$row['book_path'];
          echo "<tr class='active'>";
          echo "<td>".$row['b_name']."</td>";
          echo "<td>".$row['uploader']."</td>";
          echo "<td><p><a href=".$bookpath."

class=".$dropshadow.">".$b_name."<br></a></p></td>";
          echo "</tr>";

}

echo "</tbody></table></body></html>";

}

?>
```

Uploadadmin.php

```
<?php

include_once("connect.php");

if(isset($_POST["A"]))
{


	$username=$_POST["username"];
	$password=$_POST["password"];
	$con=mysql_connect("localhost","root","root");
	mysql_select_db("research",$con);

	$username=mysql_real_escape_string($username);
	$password=mysql_real_escape_string($password);
	$qry="select * from admin_login where username='$username' and
	password='$password'";
	$result=mysql_query($qry);
	$row=mysql_fetch_array($result);


	if(!$row)
	{
		$msg = "INVALID USERNAME OR PASSWORD";
		echo "<script type='text/javascript'>alert('$msg');</script>";
		mysql_close($con);
	}

	else
	{
		session_start();
		$_SESSION["user"]=$username;
		mysql_close($con);
		if($username==""||$password=="")
		{
		echo "username and password must be filled";
		}

		else
		header("location:home1.html");
	}

}

?>
```

CHAPTER 6
TESTING

This chapter follows up with the testing methods that were used during the validation of the system. The Conclusion and the Future Work for the software are also given.

6.1. Methodology

The method used while testing this software was different than the conventional testing route followed in the software industry. This testing approach was valuable for the software and was easier because the user was familiar with the methodology. In this approach, as the specs were ready for a prototype to be shown, the tester started writing his or her code and saw if he or she could obtain the same results as the specs mentioned. This way, the specs were tested on each prototype, and continuous testing was applied. This also helped in minimizing the testing that would have to be implemented at the end of the software lifecycle.

In the process, all aspects of the software were tested. Steps to follow while implementing the methodology:

- Start with a base functionality that you want to implement.
- Create a document with the detailed requirement definition, an activity diagram with a description of the flow, database tables that would be used and component diagram and description of each component with precondition and tables that would be affected by the component.
- Give the document to the tester, and work with the tester while he or she writes the code to check if the steps in the document can be implemented and if the result of each use case can be achieved.

Table:1

Test case No.	Test case description	Expected result	Obtained result	Remarks
1	When name is given using alphabets	Accept the username and password	Accepted	Pass
2	When email format is given alphabets and numbers and with @ symbol.	Accept the email id	Accepted	Pass
3	When password is given using alphabets and numbers	Accept the password	Accepted	Pass
4	When user is not registered into the system and try to log in.	Display error message	Message displayed.	Pass
5	When both new password and confirm password are given same.	Password should match and password should be accepted	Password matched and accepted	Pass
6	When any field in form kept empty	Display error message	Message displayed.	Pass

Conclusion

The following results have been achieved after the completion of the System which relates back to the Objective for the System.

1) Should allow users to view and save different type of document:
    - This is achieved when the Admin gives the permission to a certain user to view the files. The selected files then appear to the user under the Document Tab in the user interface.

2) Upload and download document:
    - The users can upload the papers and download the papers ,the admin can view the uploaded paper and admin can upload them to the System.

3) Should allow the Admin to view the detail of the paper:
    - This is achieved when an Admin wants to see the details of the paper.

Future Enhancements

- System can be enhanced so that it can be used to send papers the over the network.
- System can be enhanced so that it consumes less memory and increase the speed of response while storing and retrieving the papers.
- System can be enhanced so that the system can handle many number of persons at the same time .

References

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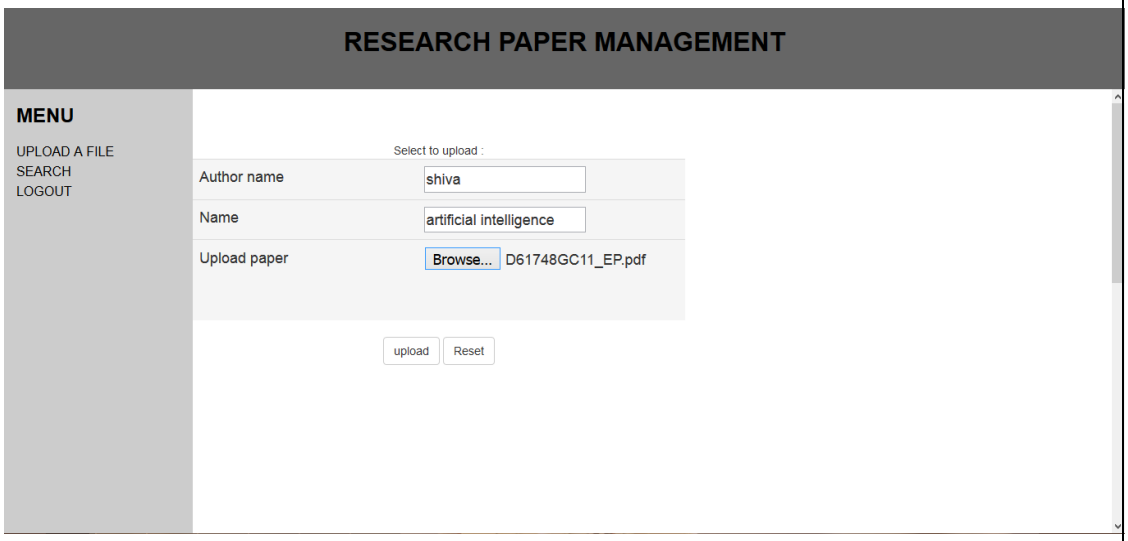
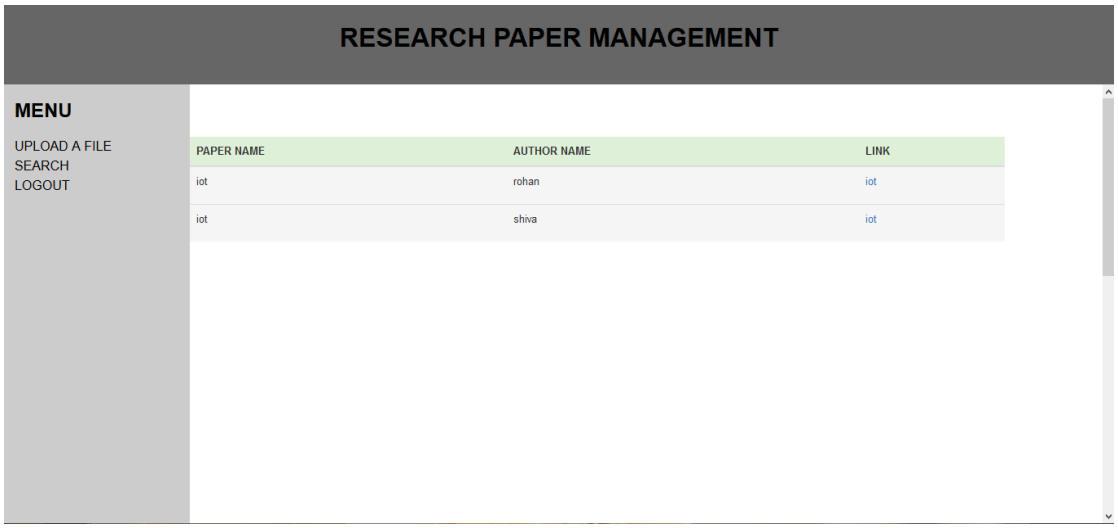
ANNEXTURE

This page is the main home page of our application which contains admin login page, user login page and new user registration page.

This page is the home page after user logs in. The options are provided to upload or search a research paper.



This page is to upload the research paper with its details.



This page is to search a particular research paper.