

Janata Shikshan Prasarak Mandal's  
Marutraoji Ghule Patil Arts, Commerce and Science College,  
Ahmednagar

**SAVITRIBAI PHULE PUNE UNIVERSITY**



A

PROJECT REPORT

ON

"YOUR PROJECTS TITLE"

SUBMITTED BY:

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

FOR THE DEGREE OF BACHELOR OF COMPUTER SCIENCE

BY

**ASHISH MANOJKUMAR SINGH**

**VISHWAJEET PRASHANT SHINDE**

DEPARTMENT OF COMPUTER SCIENCE

Marutraoji Ghule Patil Arts, Commerce and Science College, Ahmednagar

MARCH /APRIL – 2024

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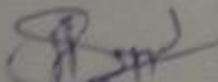
DEPARTMENT OF COMPUTER SCIENCE

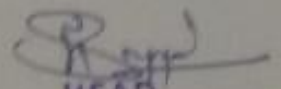
**CERTIFICATE**

This is to certify that Mr **ASHISH MANOJKUMAR SINGH & VISHWAJEET PRASHANT SHINDE** student of B.Sc. (Computer Science) Semester –VI has satisfactorily completed the project work towards the partial fulfilment of her bachelor degree of Savitribai Phule Pune University, Pune for academic year 2023-2024.

**Project Title:**

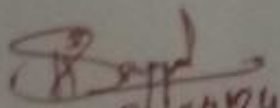
**"ONLINE ADMISSION SYSTEM"**

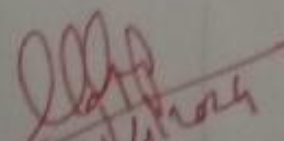
  
Guide

  
HEAD

Department of Computer Science  
Marutraoji Ghule Patil Art's  
Commerce & Science College  
Nagapur, Ahmednagar

Asst. Prof. H. S. Sayyed. Asst. Prof. H. S. Sayyed.  
College Code - 893

  
21/04/24

  
21/4/2024

## ACKNOWLEDGEMENT

Among wide panorama of people who helped me and motivated to complete my project, I am grateful in presenting to you the rate shade of problem solving in field of Technology by documenting my project "ONLINE ADMISSION SYSTEM".

It has been a wonderful learning experience for me to work on this project under the guidance of head of Dept. of Computer Science prof. Asst. Prof. H. S. Sayyed.

I express my sincere gratitude to **Asst. Prof. H. S. Sayyed** for his active encouragement and interest in my work that helped me to accomplish my goal.

Lastly I obliged to the laboratory assistance whose contributions were valuable towards the completion of my project.

Last but not least, I would like to thank all my friends, **classmates** and my **family members** for their valuable helping efforts towards this project .

Thanking You.

Yours Sincerely,

# Certificate

This is to certify that

*Vishwajeet Prashant Shinde*

*Ashish Manojkumar Singh*

As submitted the project report entitled "*Marutrao Ghule patil College Ahmednagar*" to Savitribai Phule Pune University for the partial fulfillment of the Requirement for the award of the *BSc(Computer Science)*. This is his/her original work carried out under the guidance and Supervision of project guide.

We further certify that to the best of our knowledge and belief the matter presented in the project report is bonafied and has not due submitted to this, any other degree, diploma or any membership.

Project Guide  
(Prof H.S.Sayyed)

**Internal**

**External**

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## INTRODUCTION

**Online Admission System** is aimed at developing an online admission application for a college. This system is an online system that can be accessed throughout the organization and outside as well with proper login provided. Our system has two type of accessing modes, administrator and user. Student management system is managed by an administrator. It is the job of the administrator to admit and monitor the whole process. When a user log in to the system. He would only view details of the student. He can't perform any changes .

The system has two modules :

- 1) User
- 2) Administrator

Students logging is to apply for the course by filling an application form provided by online.

College principal/administrator logging in may also access/search information put up by the students.

## **FEASIBILITY STUDY**

### **1) ECONOMIC FEASIBILITY**

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design and implement the system.

This part of feasibility study gives the top management the economic justification for the new system. This is an important input to the management, because very often the top management does not like to get confounded by the various technicalities that bound to be associated with a project of this kind. A simple economic analysis that gives the actual comparison of costs and benefits is much more meaningful in such cases.

It is economically feasible, it will only require a single operator to operate the system, who is responsible for entering the data into the database via a user interface provided to him, who can also able to show all the data in html tabular form so to provide information regarding the students who are either taken admission or to take admission, since it requires only a single person to operate the whole system thus reduces the cost to operate the system.

In the system, the organization is most satisfied by economic feasibility. Because, if the organization implements this system, it need not require any additional hardware resources as well as it will be saving lot of time.

### **2) TECHNICAL FEASIBILITY**

Technical feasibility centers on the existing manual system of the test management process and to what extent it can support the system. According to feasibility analysis procedure the technical feasibility of the system is analyzed and the technical requirements such as software facilities, procedure, inputs are identified. It is also one of the important phases of the system development activities. It is technically feasible, since the whole system is designed into the latest technologies like PHP and SQL Server which are the most recent technologies to



develop web based systems and design databases.

The system offers greater levels of user friendliness combined with greater processing speed. Therefore, the cost of maintenance can be reduced. Since, processing speed is very high and the work is reduced in the maintenance point of view management convince that the project is operationally feasible.

### **3) OPERATIONAL FEASIBILITY**

It is Operational feasible, since the system is providing a attractive user interface to the operator/end user, so he feel very easy to work onto it. Response to operator/end user is very fast and very good. Since, as we mentioned above that it requires much less amount of cost, it uses computer work so it is very fast to operate and it is very easy for user to work on it.

# HARDWARE AND SOFTWARE

## HARDWARE CONFIGURATION

- System ➤ Multimedia PC
- Processor ➤ Pentium 4 or above
- Memory ➤ 512MB RAM
- ard ➤ 80GB or above
- Disk ➤ Keyb 104 standards
- card ➤ Monit SVGA
- or ➤ Modem Dial up/Broadband

## SOFTWARE CONFIGURATION

- Front end : PHP,HTML,CSS,JavaScript
- Back end : MYSQL
- or Operating System: Windows ,LINUX

# SYSTEM DESIGN

## NORMALIZATION

Normalization is a technique of separating redundant fields and breaking up a large table into a smaller one. It is also used to avoid insertion, deletion and updating anomalies. All the tables have been normalized up to the third normal form. In short the rules for each of the three normal forms are as below.

- First normal form

A relation is said to be in 1NF if all the underlying domain of attributes contain simple individual values.

- Second normal form

The 2NF is based on the concept of full functional dependency. A relation said to be in 2NF if and only if it is in 1NF and every non-key attribute is fully functionally dependent on candidate key of the table.

- Third normal form

The 3NF is based on the concept of transitive dependency. A relation in 2NF is said to be in 3NF if every non-key attribute is non-transitively

# TABLES

## 1. PERSONAL DETAILS

FIELDNAME	DATATYPE
<u>Regid</u>	Varchar()
Name	Varchar()
Father	Varchar()
Age	Integer
Gender	Varchar()
Religion	Varchar()
Caste	Varchar()
Day	Integer
Month	Integer
Year	Integer

## 2. LOGIN

FIELDNAME	DATATYPE
<u>Regid</u>	Varchar()
Password	Varchar()
Type	Varchar()
Flag	Integer

## 3. EXAM

FIELDNAME	DATATYPE
<u>Regid</u>	Varchar()
Eqxam	Varchar()
Rollno	Integer
Passyear	Integer
Mark	Integer
Total	Integer
Percent	Integer

#### 4. COURSE

FIELDNAME	DATATYPE
<u>Regi d</u>	Varchar()
Course	Varchar()

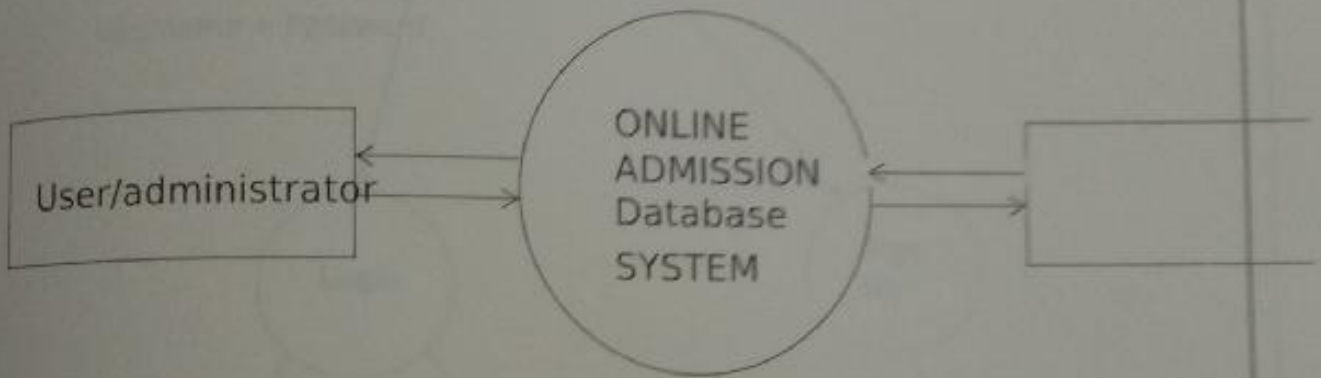
#### 5. ADDRESS

FIELDNAME	DATATYPE
<u>Regi d</u>	Varchar()
House	Varchar()
Post	Varchar()
Street	Varchar()
City	Varchar()
Pin	Integer
Email-id	Varchar()

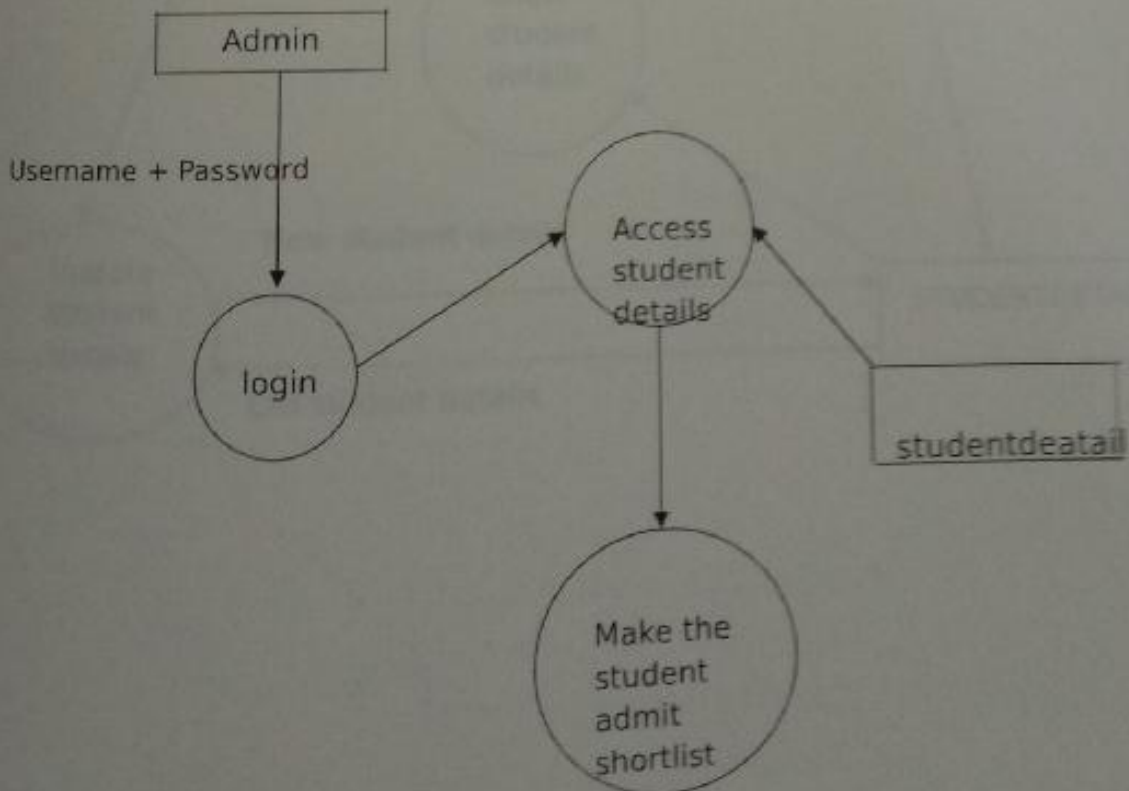
# DIAGRAMS

## DATAFLOW DIAGRAMS

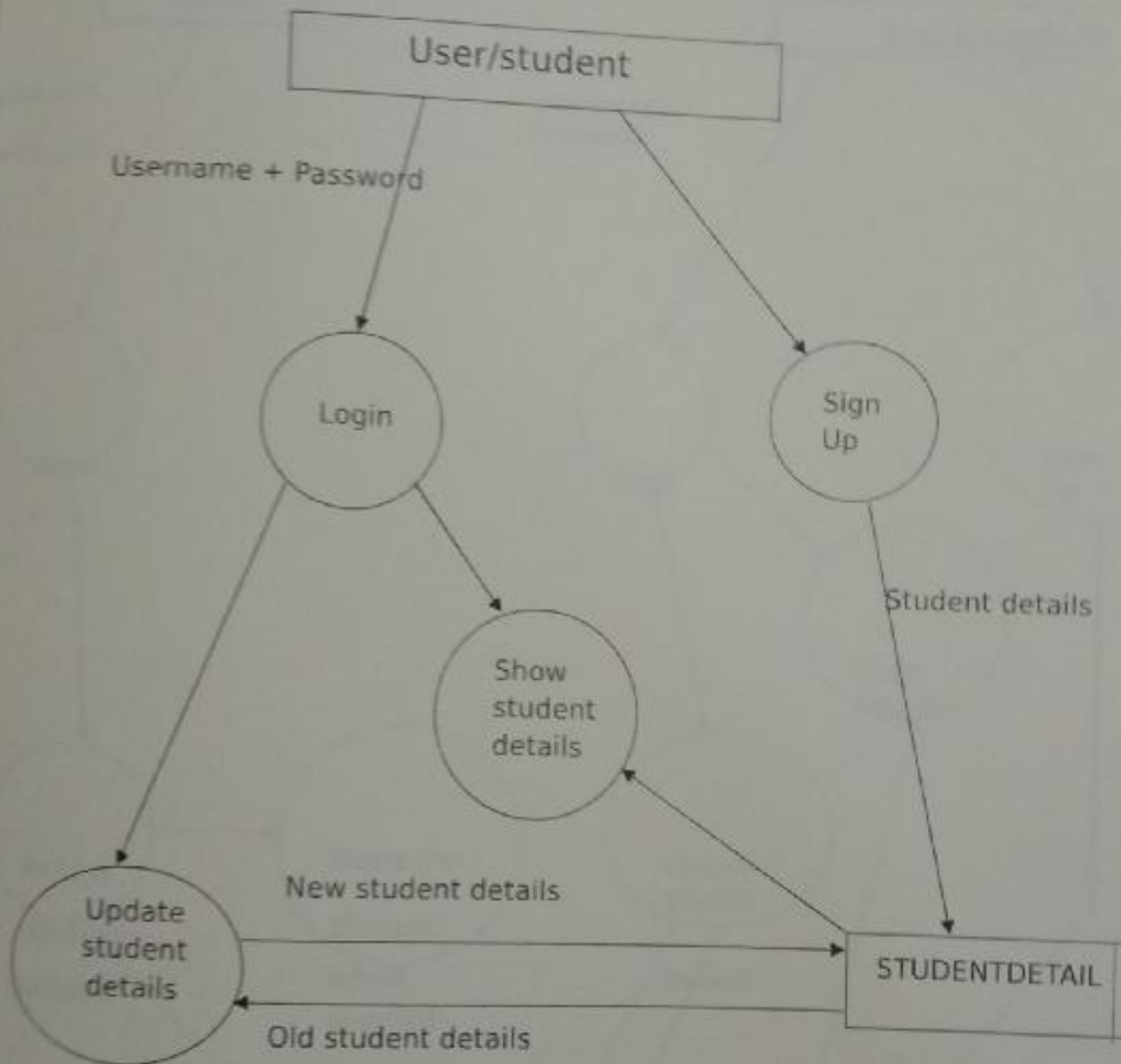
Level 0



Level 1

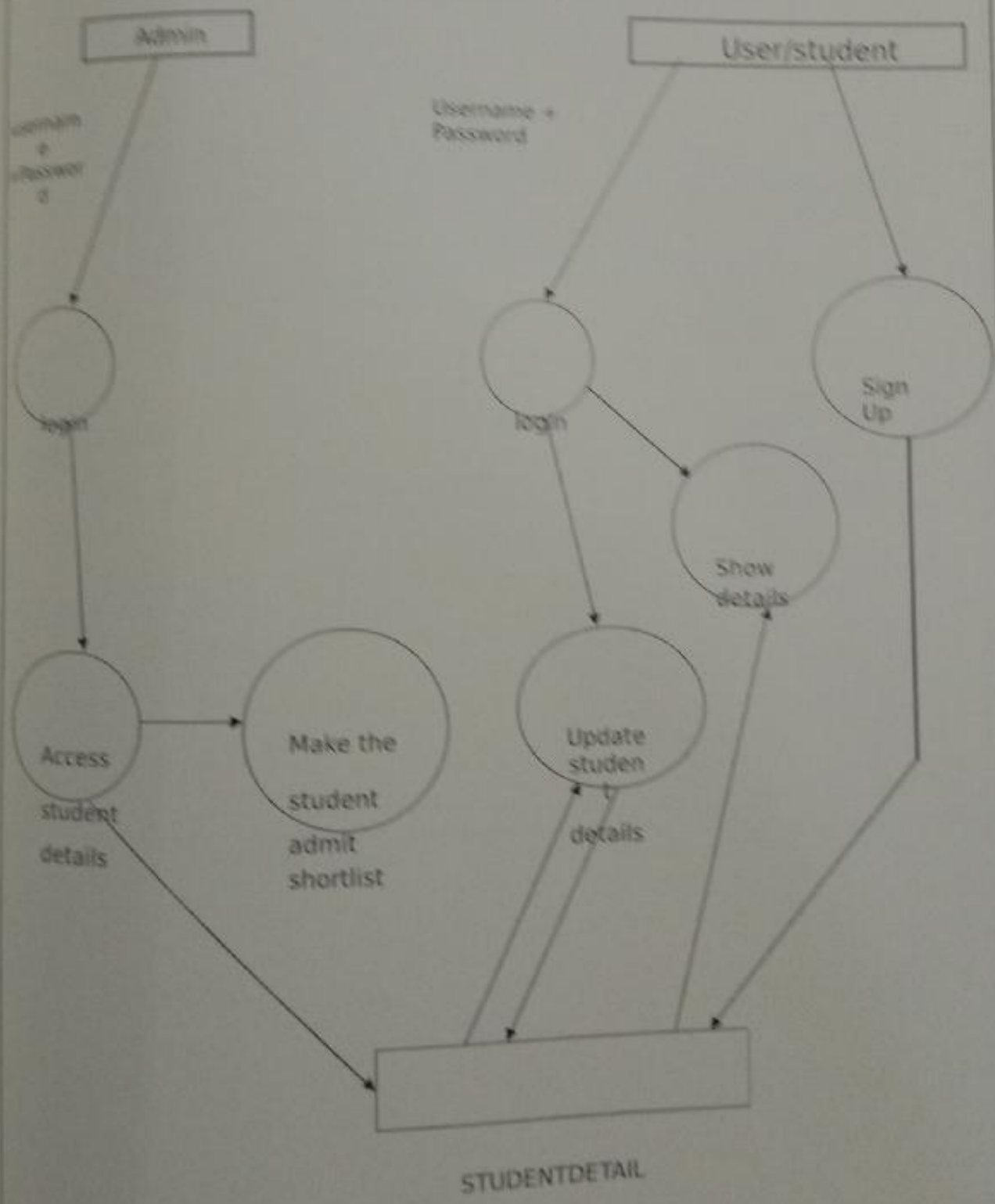


Level 2





Level 3

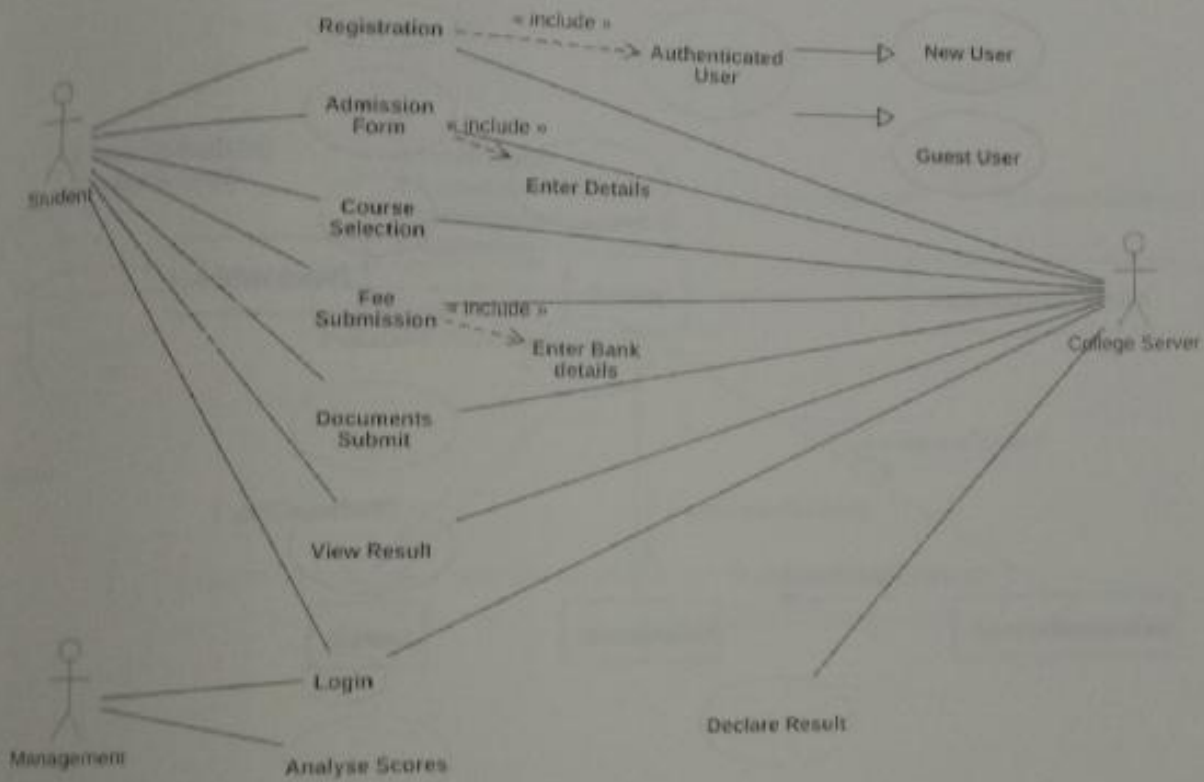


# CLASS DIAGRAM



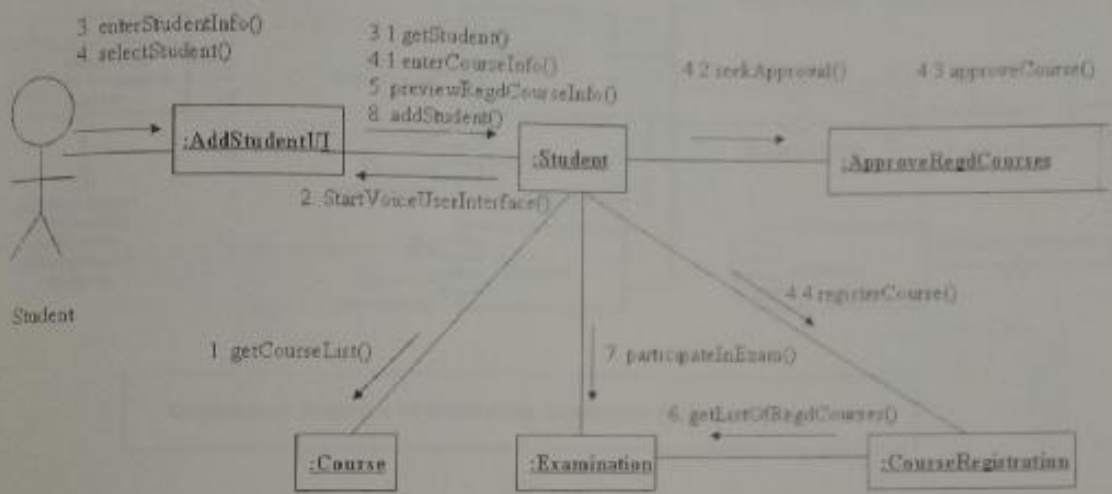
Class Diagram of University Admission Management System

# USE CASE DIAGRAM

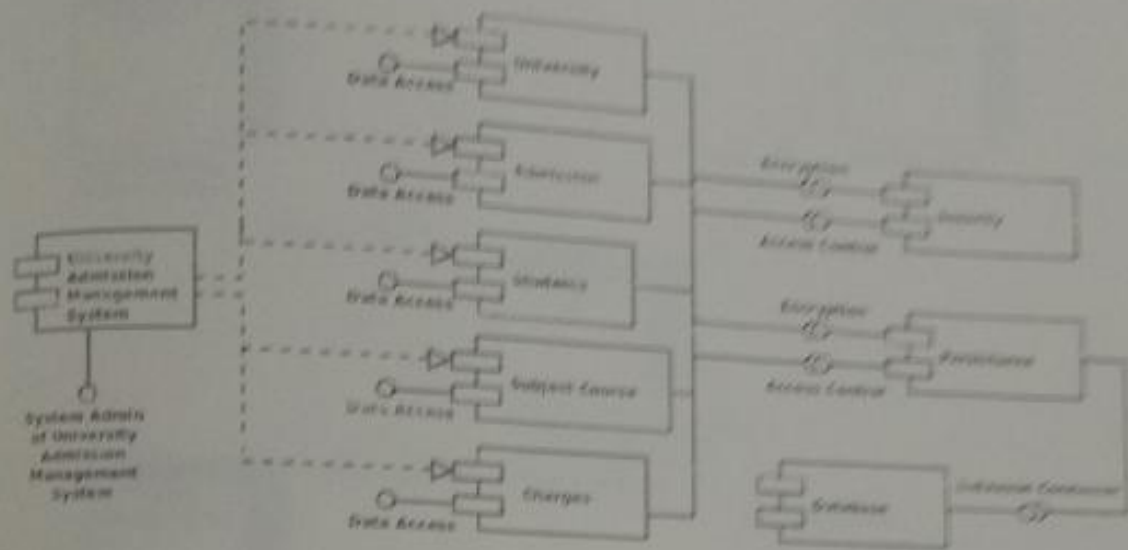


# COMPONENT DIAGRAM

## COLLABORATION DIAGRAM



# COMPONENT DIAGRAM



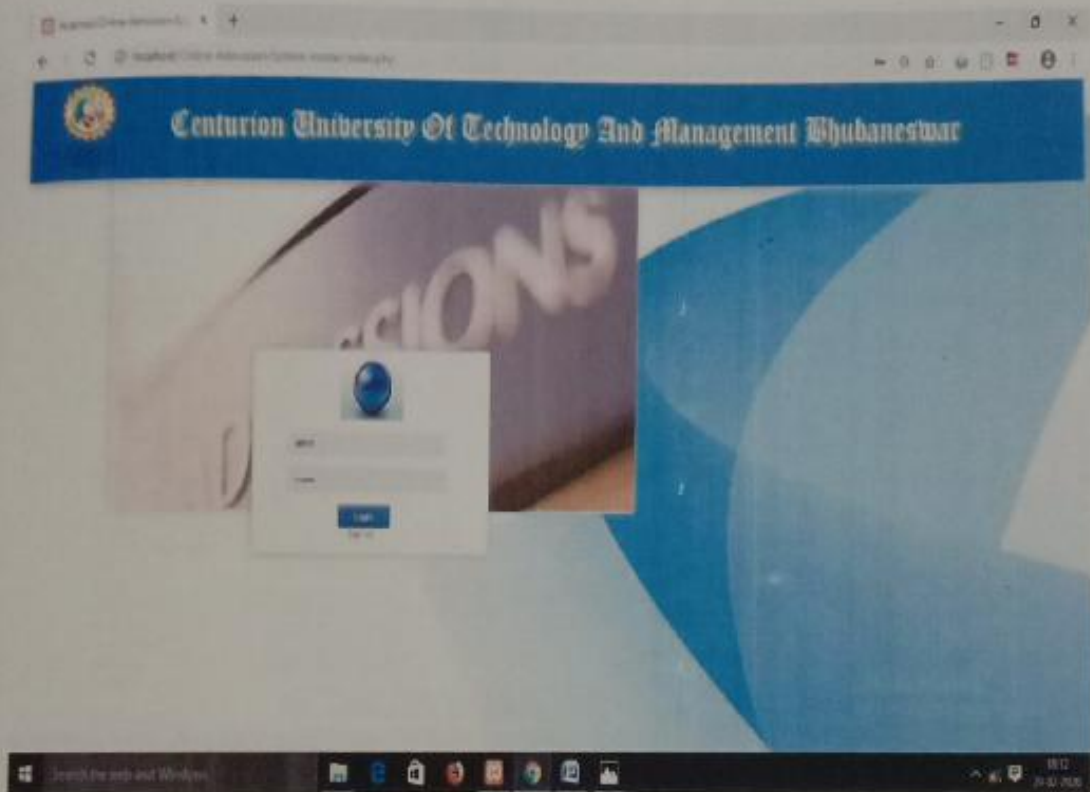
Component Diagram of University Admission Management System

# OUTPUTS

## USER SIGN UP:



## USER LOG IN:



# ADMISSION FORM:

**ADMISSION FORM**

**Applicant's Details**

Name: \_\_\_\_\_  
Date of Birth: \_\_\_\_\_  
Gender: \_\_\_\_\_  
Nationality: \_\_\_\_\_

**Applicant's Education**

School Name: \_\_\_\_\_  
School Address: \_\_\_\_\_  
School Phone: \_\_\_\_\_  
School Email: \_\_\_\_\_  
School Website: \_\_\_\_\_

**Applicant's Contact**

Home Address: \_\_\_\_\_  
Mobile Number: \_\_\_\_\_  
Email Address: \_\_\_\_\_

**Applicant's Address**

Home Address: \_\_\_\_\_  
Office Address: \_\_\_\_\_  
Other Address: \_\_\_\_\_

**Applicant's Academic**

School Name: \_\_\_\_\_  
School Address: \_\_\_\_\_  
School Phone: \_\_\_\_\_  
School Email: \_\_\_\_\_  
School Website: \_\_\_\_\_

**Applicant's Employment**

Employer Name: \_\_\_\_\_  
Employer Address: \_\_\_\_\_  
Employer Phone: \_\_\_\_\_  
Employer Email: \_\_\_\_\_  
Employer Website: \_\_\_\_\_

**Applicant's Other**

Other Address: \_\_\_\_\_  
Other Phone: \_\_\_\_\_  
Other Email: \_\_\_\_\_

**Applicant's Qualification**

Name of Award	Year of Award	Mark Obtained
---------------	---------------	---------------



# UPLOAD DOCUMENT :

The screenshot shows a web browser window displaying the 'Centurion University Of Technology And Management Bhubaneswar' portal. The page is titled 'Upload Your Documents' and features a list of document types with 'Choose File' buttons for each. The document types listed are:

Document Type	File Name
Passport Size Photo	16134011_10256.jpg
10th Mark Sheet	14947_10256.jpg
10th Certificate	14934_10256.jpg
12th Degree Mark Sheet	14947_10256.jpg
12th Degree Certificate	14934_10256.jpg
Identity Proof	20170911_12109.jpg
Signature	20170911_12107.jpg

Below the list, there is a 'Done' button. A 'Declaration By The Applicant' section is also visible, containing the following text:

**Declaration By The Applicant**  
I hereby solemnly declare that all the particulars given in this form are true to the best of my knowledge and belief. I shall abide by the rules and regulations laid down by the College from time to time. In case the particulars furnished by me are found false, my admission stands cancelled.

1 / 10481

# AFTER FILLING ADMISSION FORM:

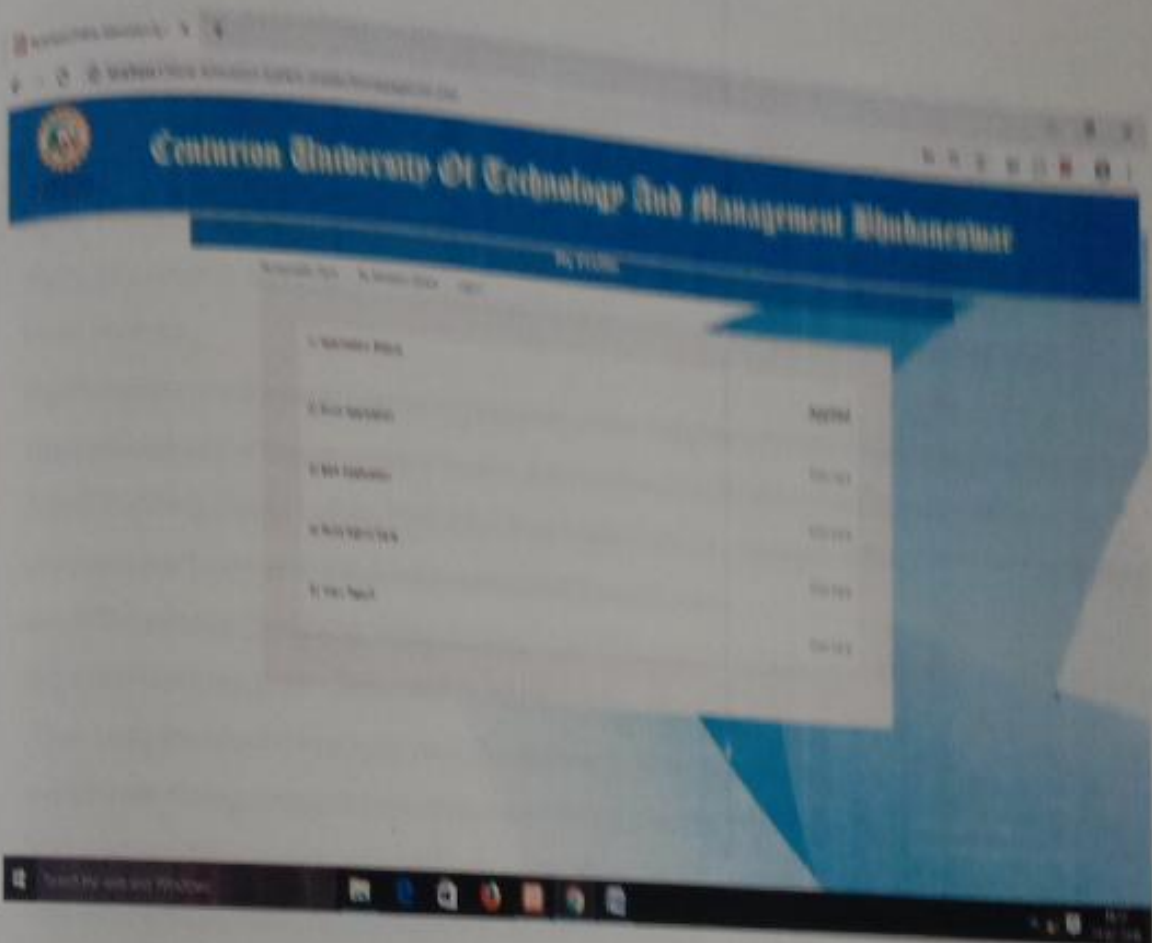
**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESHWAR - 751005, ODISHA**  
 Phone : 0674260246, Fax : 0674260242  
**ADMISSIONS (2016-17)**

**Centurion University**

Year	2016-2017		
ID	20160001		
Date of Birth	2016-01-01		
Sex	www.centurionuniversity.edu.in		
Admission	Admission - 20160001 Admission - 20160001		
Admission Name	Admission		
Admission Category	Admission	Admission	Admission
Admission Name	Admission		
Admission Category	Admission	Admission	Admission
Admission ID	Admission		
Admission Address	Admission - 20160001 Admission - 20160001 Admission - 20160001 Admission - 20160001		
Admission Address	Admission - 20160001 Admission - 20160001 Admission - 20160001 Admission - 20160001		

ACCEPTED FOR ADMISSION  
 www.centurionuniversity.edu.in

# ADMISSION DETAILS:



## CODING

\* Bootstrap v3.3.5 (<http://getbootstrap.com>)

\* Copyright 2011-2015 Twitter, Inc.

\* Licensed under MIT (<https://github.com/twbs/bootstrap/blob/master/LICENSE>)

```
/*! normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */html{font-family:sans-serif;-webkit-text-size-adjust:100%;-ms-text-size-adjust:100%}body{margin:0}article,aside,details,figcaption,figure,footer,header,hgroup,main,menu,nav,section,summary{display:block}audio,canvas,progress,video{display:inline-block;vertical-align:baseline}audio:not([controls]){display:none;height:0}[hidden],template{display:none}a{background-color:transparent}a:active,a:hover{outline:0}abbr[title]{border-bottom:1px dotted}b,strong{font-weight:700}dfn{font-style:italic}h1{margin:.67em 0;font-size:2em}mark{color:#000;background:#ff0}small{font-size:80%}sub,sup{position:relative;font-size:75%;line-height:0;vertical-align:baseline}sup{top:-.5em}sub{bottom:-.25em}img{border:0}svg:not(:root){overflow:hidden}figure{margin:1em 40px}hr{height:0;-webkit-box-sizing:content-box;-moz-box-sizing:content-box;box-sizing:content-box}pre{overflow:auto}code,kbd,pre,samp{font-family:monospace,monospace;font-size:1em}button,input,optgroup,select,textarea{margin:0;font:inherit;color:inherit}button{overflow:visible}button,select{text-transform:none}button,html input[type=button],input[type=reset],input[type=submit]{-webkit-appearance:button;cursor:pointer}button[disabled],html input[disabled]{cursor:default}button::-moz-focus-inner,input::-moz-focus-inner{padding:0;border:0}input{line-height:normal}input[type=checkbox],input[type=radio]{-webkit-box-sizing:border-box;-moz-box-sizing:border-box;box-sizing:border-box;padding:0}input[type=number]::-webkit-inner-spin-button,input[type=number]::-webkit-outer-spin-button{height:auto}input[type=search]{-webkit-box-sizing:content-box;-moz-box-sizing:content-box;box-sizing:content-box;-webkit-appearance:textfield}input[type=search]::-webkit-search-cancel-button,input[type=search]::-webkit-search-decoration{-webkit-appearance:none}fieldset{padding:.35em .625em
```

```

75em;margin:0 2px;border:1px solid
silver} legend {padding:0;border:0} textarea {overflow:auto;optgroup;font-
weight:700} table {border-spacing:0;border-collapse:collapse} td,th {padding:5px}
Source:
https://github.com/h5bp/html5-boilerplate/blob/master/src/css/main.css */**media
print {*,after,before {color:#000!important;text-shadow:none!important;background:0 0
important;-webkit-box-shadow:none!important;box-
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and(href) ")" } abbr[title]:after {content:" (" attr(title)
")"} a[href^="javascript:"]:after,a[href^="#"]:after {content:"";blockquote,pre {border:1px
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asterisk:before {content:"\2a"} .glyphicon-plus:before {content:"\2b"} .glyphicon-
eur:before, .glyphicon-curo:before {content:"\20ac"} .glyphicon-
minus:before {content:"\2212"} .glyphicon-cloud:before {content:"\2601"} .glyphicon-
envelope:before {content:"\2709"} .glyphicon-pencil:before {content:"\270f"}

```

# TESTING

## **White Box Testing:**

White Box Testing is a testing in which in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is purpose. It is used to test areas that cannot be reached from a black box level.

## **Black Box Testing:**

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated, as a black box .you cannot "see" into it. The test provides inputs and responds to outputs without considering how the software works.

## **Gray BOX Testing:**

Gray Box Testing is a technique to test the software product or application with partial knowledge of the internal workings of an application. The purpose of this testing is to search for defects due to improper code structure or improper functioning usage of an application. In this process, context-specific errors that are related to web systems are commonly identified. It increases the testing coverage by concentrating on all of the layers of any complex system

## CONCLUSION

This system, being the first We have created in PHP, has proven more difficult than originally imagined. While it may sound simple to fill out a few forms and process the information, much more is involved in the selection of applicants than this. Every time progress was made and features were added, ideas for additional features or methods to improve the usability of the system made themselves apparent. Furthermore, adding one feature meant that another required feature was now possible, and balancing completing these required features with the ideas for improvement as well as remembering everything that had to be done was a project in itself.

Debugging can sometimes be a relatively straight forward process, or rather finding out what you must debug can be. Since so many parts of the admissions system are integrated into one another, if an error occurs on one page, it may be a display error, for example; it may be the information is not correctly read from the database, or even that the information is not correctly stored in the database initially, and all three must be checked on each occasion. This slows down the process and can be frustrating if the apparent cause of a problem is not obvious at first.

Language used must be simple and easy to understand and compatibility is paramount. If this system were not designed as an entirely web based application, it would not have been possible to recreate its current state of portability.

Overall, the system performs well, and while it does not include all of the features that may have been desired, it lives up to initial expectations. The majority of features that are included work flawlessly and the errors that do exist are minor or graphical.

## **BIBLIOGRAPHY**

The following websites and books was referred during the preparation of this project.  
The PHP Manual-[www.php.net](http://www.php.net).

PHP Manual-[www.w3school.com](http://www.w3school.com).

[www.google.com](http://www.google.com)