UNIVERSITY OF NORTH BENGAL

Project On ONLINE COLLEGE ADMISSION SYSTEM

GUIDED BY

Asst. Prof Dr. Swarup Das

SUBMITTED BY:

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CERTIFICATE

This is to certify that Salaul Akbar (084511 32) , Avijit Barman (084511 24), and ChandanDutta(084511 29) has carried out the Project work presented in this documentation entitled **"ONLINE COLLEGE ADMISSION SYSTEM"** under my supervision for the MCA 5th Semester Project Submission.

I wish them every success in life.

_____

Dr. Swarup Das

(Asst. Prof. & Project Guide,

Department of Computer Science and Application,

University of North Bengal)

ACKNOWLEDGEMENT

We are privileged to present our venture in practical computing in the form of the project work titled **"ONLINE COLLEGE ADMISSION SYSTEM"**. This was undertaken in practical fulfillment of requirements for the project work of 5th semester of MCA.

We would like to thank **Asst. Prof. Dr. Swarup Das**, Dept. of Computer Science And Application,University of North Bengal, who is our project guide and helped us a lot for developing this project.

Last but certainly not least we are also very thankful to our friends for their valuable suggestion, cooperation and constant encouragement that will be a source of inspiration to develop the project.

Date :-

……..
(SALAUL AKBAR)

……..
(AVIJIT BARMAN)

……
(CHANDAN DUTTA)

DECLARATION

We, Salaul Akbar, Avijit Barman, and Chandan Dutta hereby want to declare that this is our minor project on **"Online College Admission System"**. It is a short time project that is done by us on minimal completion of our MCA.

We further state and declare that this project is our genuine work and not has been submitted to anywhere till date and is maintained all rules and regulations of the university and thanks to all respected teachers.

Date:-

……..
(SALAUL AKBAR)

……..
(AVIJIT BARMAN)

……..
(CHANDAN DUTTA)

Contents

1. Introduction:

Online College 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 into the system. He would only view details of the student. He can't perform any changes .

The system has two modules. They are User & 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.

2. Project Category:

This project basically systems with online support and it is based on managing the database of the online application, student, faculty, courses, recent notice, Student Forum records. It is divided with two parts one is server part and the other part is client part. So, the category of this project is online college admission system developed using JSP with database that is SQL Server.

2.1 GUI Application

Basics of GUI Development

To build an application that uses a GUI, you need to create a class that inherits from one of the Swing classes to handle the user interface. Event-driven programming is a different approach to application development than the standard input-process-output model. In event-driven programming, you have:

- multiple points of input
- unpredictable order
- multiple points of output
- different kinds of events: button clicks, button placements, text entry, text change
- the need to respond to these events

Different types of "widgets" set up mechanisms for input and output

- text fields
- buttons
- labels
- windows controls
- frames

2.2 Interface

An interface in java is a blueprint of a class. It has static constants and abstract methods. The interface in java is a mechanism to achieve abstraction. There can be only abstract methods in the java interface not method body. It is used to achieve abstraction and multiple inheritance in Java. Java Interface also represents IS-A relationship. It cannot be instantiated just like abstract class.

3. System Analysis:

After filling the admission form student will go for account section and here the accountant will enter the Unique ID No. provided by Admin Then after verification of the form will be done by student section.

3.1. Identification of the need:

The main objective of the existing system is to provide a user-friendly interface. The system, which is proposed, now computerizes all the details that are maintained manually. Once the details are fed into the computer there is no need for various persons to deal with separate sections. Only a single person is enough to maintain all the reports. The security can also be given as per the requirement of the user and those requirements are: Large volumes of data can be stored with case. Flexible maintenance of file or data is possible by using this system. Records stored are updated easily without more efforts. Stored data and procedures can be easily edited. Reports can be generated with case. Accurate calculations are made, and the more important advantage from this system is less manpower required.

3.2. Preliminary Investigation:

Today in college student details are entered manually. The student details in separate records are tedious task. Referring to all these records and updating is needed. There is a chance for more manual errors.

1. When the students comes in college.
2. First of all, he/she takes admission form from reception.
3. Fills it and submits it into office.
4. Filled form is first checked with documents like merit list a details came from university and verified by an official person, if there is any mistake then it is corrected.
5. At the time of submission of it the fees is deposited by the candidate.
6. At the time of submission of admission form admission no. is assigned to the candidate by the institute.
7. Candidate gets the receipt of fees deposition. Disadvantages of Present System:-1. Require much man power i.e. much efforts, much cost and hard to operate andmaintain.2. Since, all the work is done in papers so it is very hard to locate a particular student record when it is required.

4. Feasibility study:

4.1 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 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. It is economically feasible, it will only require a single operator to operate the system, 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.

4.2 Technical feasibility:

Technical feasibility centre 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 analysed 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 JSP and MYSQL 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.

4.3 Operational feasibility:

It is Operational feasible, since the system is providing 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.

5. Software Requirement Specification:

5.1. Introduction:

Requirement specification is done in order to understand the problem the software system is to solve. For large system that have many features and that have many features and that need to perform many different tasks, understanding the requirements of the system is a major task. The emphasis in requirement analysis is on identifying what is needed from the system, not how the system will achieve its goals. This task is complicated by the fact that there are often at least two parties involved in software development a client and a developer. The developer usually does not understand the issue involved in software system. This is a communication gap, which has to be adequately bridge requirement analysis.

5.1.1. Objective of SRS:

The objective of this SRS document is to specify software requirements of the Online Admission for the college. It is intended to be a complete specification of what functionality the admission provides. The main purpose of the system is to automate the task carried out by different peoples in the organization to perform the student admission. Specific design and implementation details will be specified in a future document.

5.1.2 Scope:

As we have mention earlier that the objective of the project is to cover-up the Loop holes exists in handling "Online College Admission System". The scope of the project is to find out main issues we are covering in our project and to find out main function of our project. The 'Online College Information System', we have developed can connect student all over the world. Using our website one can extend his worldwide network by sitting at home. It also provides an excellent search facility which will be helping student to search their best college. Student scan share their thoughts & ideas by creating their community & using forums.

5.2 Specific requirements:

The SRS document will also include the specific requirements needed. These will include the functions, performance, design, and software attributes. This document is organized in a logical manner and is easy to follow. Readers should refer to the table of contents, appendices, or index if looking for something in specific. Otherwise, reading this document from start to finish will start with a vague description and get more specific and detailed as changing sections and reading further

5.2.1 Hardware requirements:

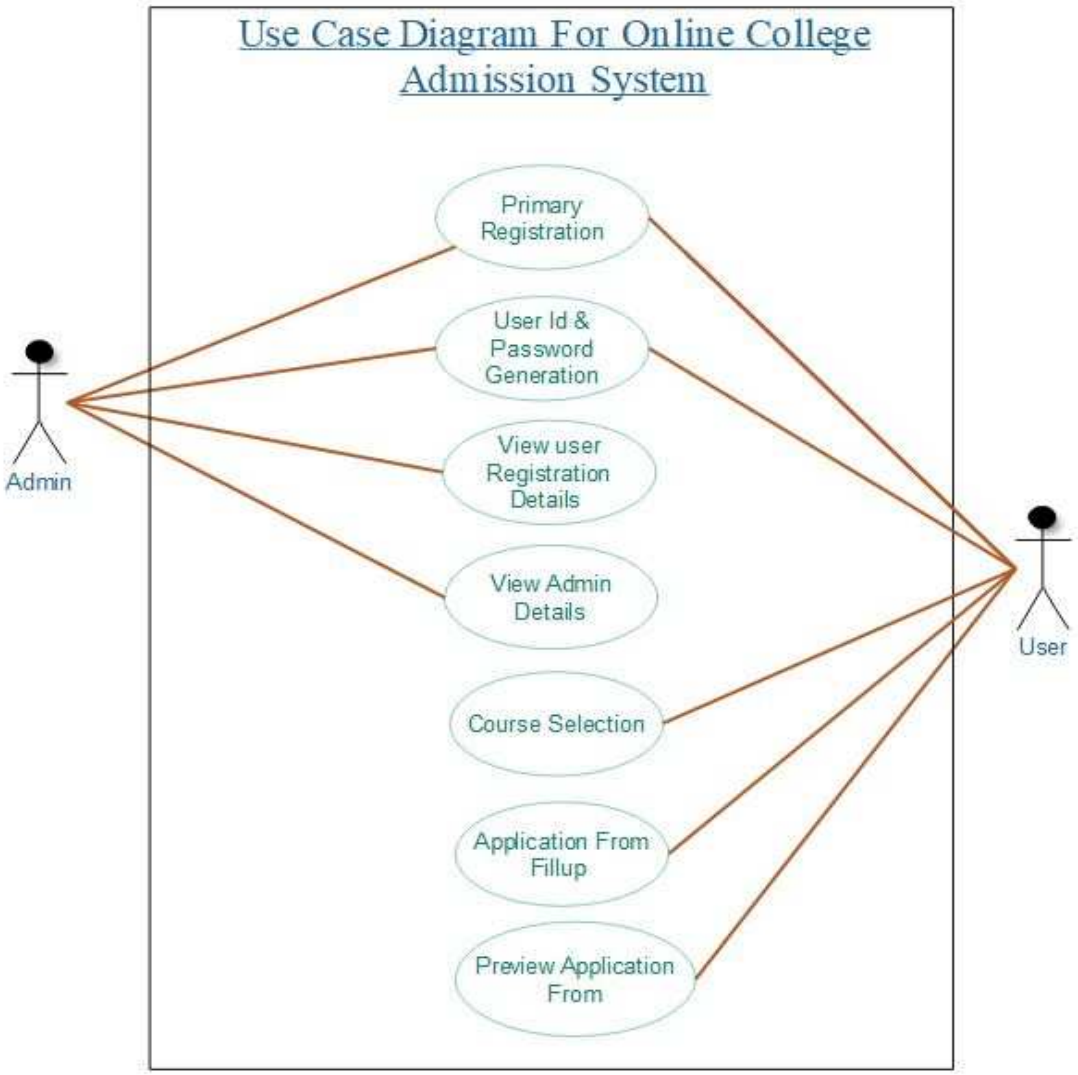
- System : Multimedia PC
- Processor : Pentium 4 or above
- Memory : 512MB RAM
- Hard Disk : 80GB or above
- Keyboard : 104 standards
- Monitor : SVGA
- Modem : Dial up/Broadband

5.2.2 Software requirements:

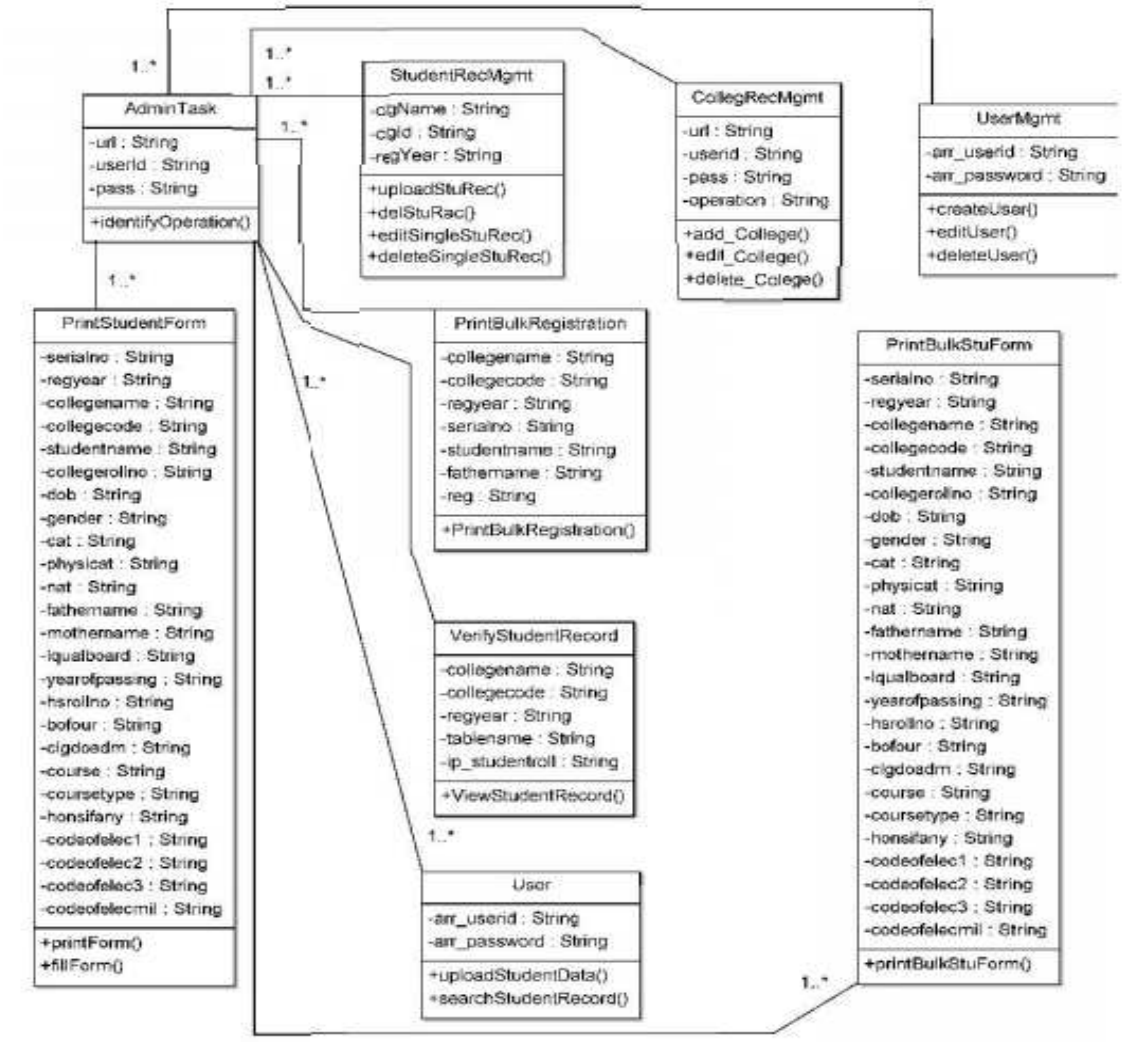
- Front end : JSP, HTML,CSS, JavaScript
- Back end : MYSQL
- Operating System: Windows 10

6.Diagram

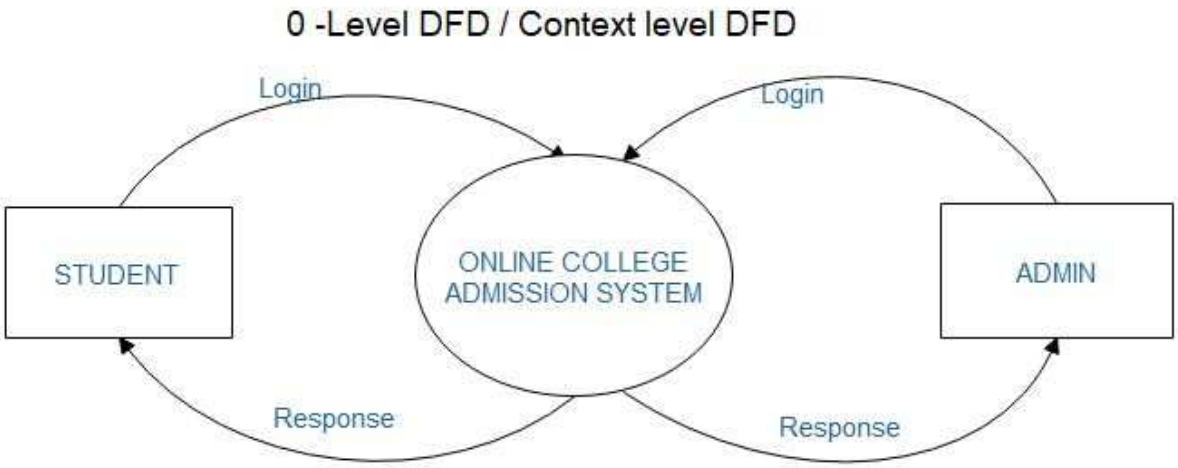
6.1 Use Case Diagram



6.2 Class Diagram



7.Data Flow Diagram



Data Flow Diagram

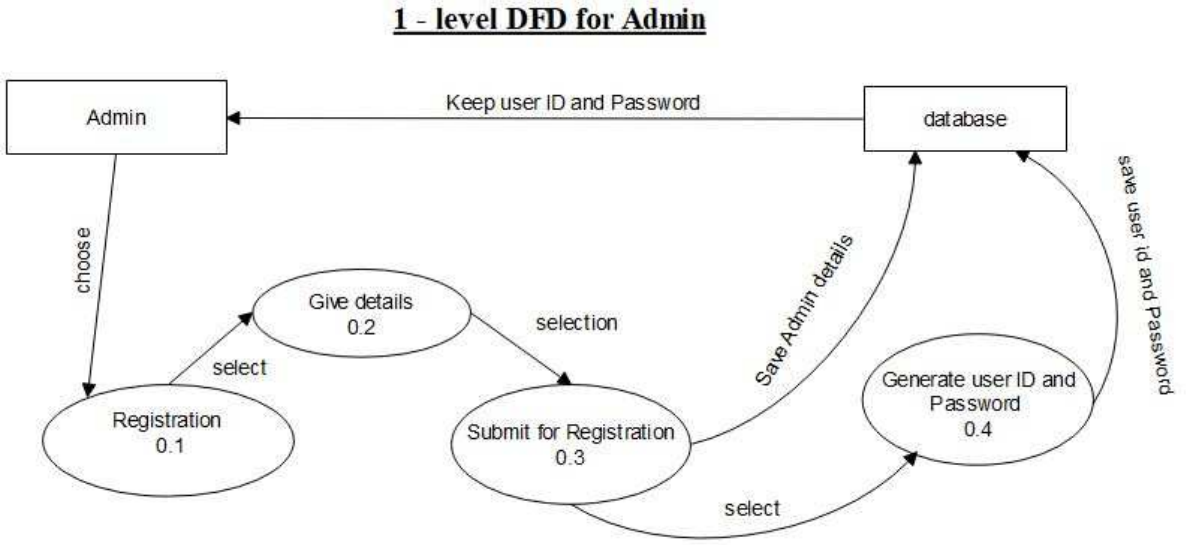


Figure : 1 - level DFD for Admin

Data Flow Diagram

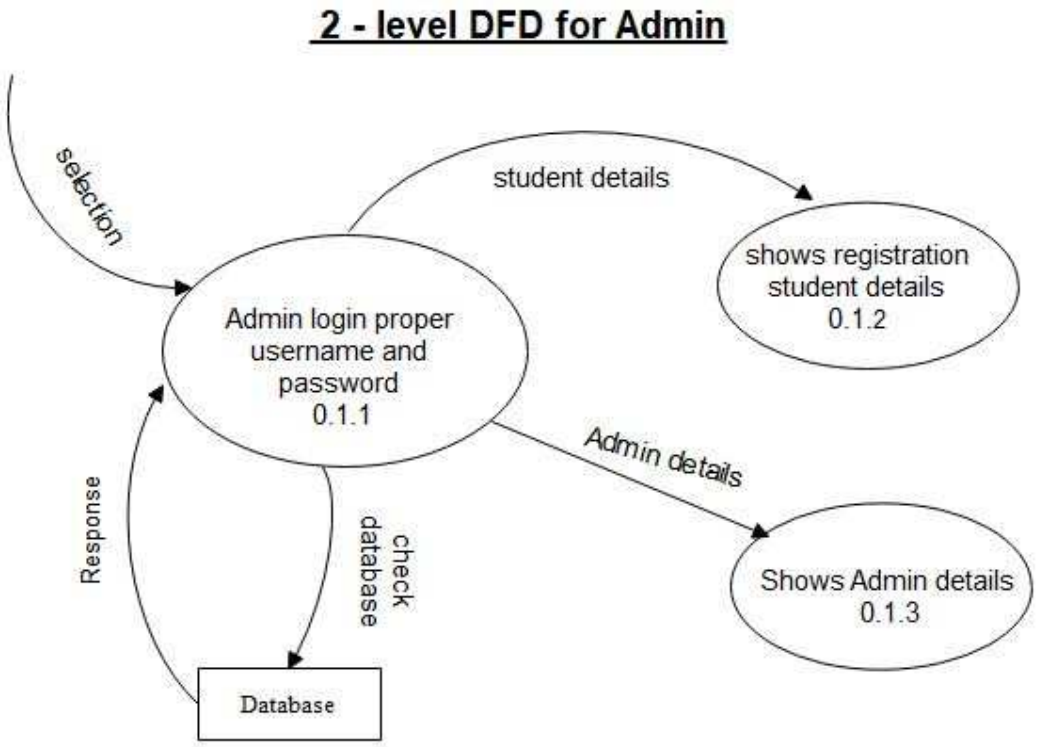


Figure: 2 - Level DFD for Admin

Data Flow Diagram

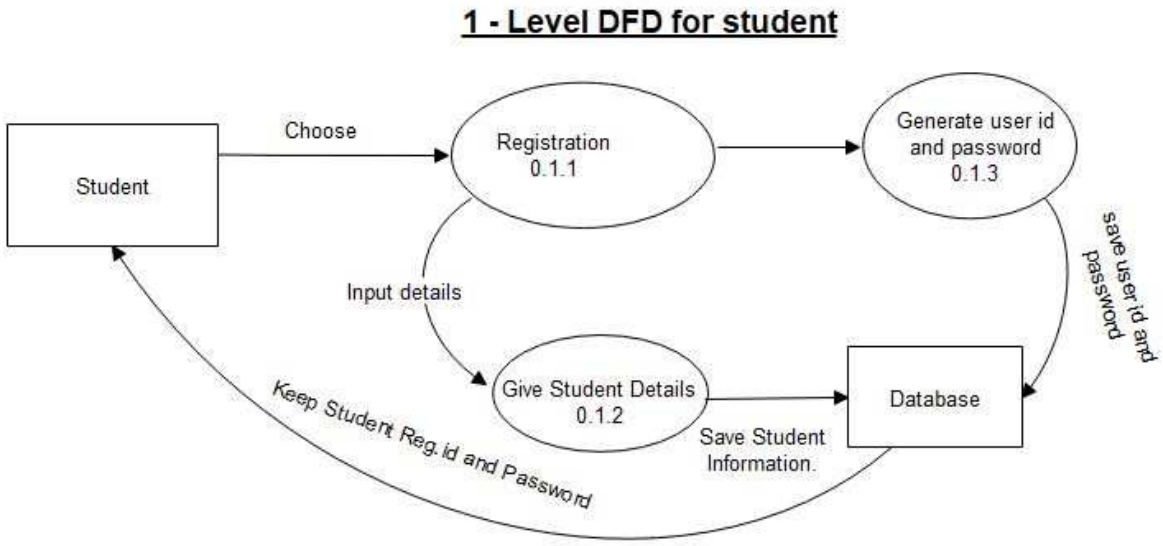


Figure: 1 - Level DFD for student

Data Flow Diagram

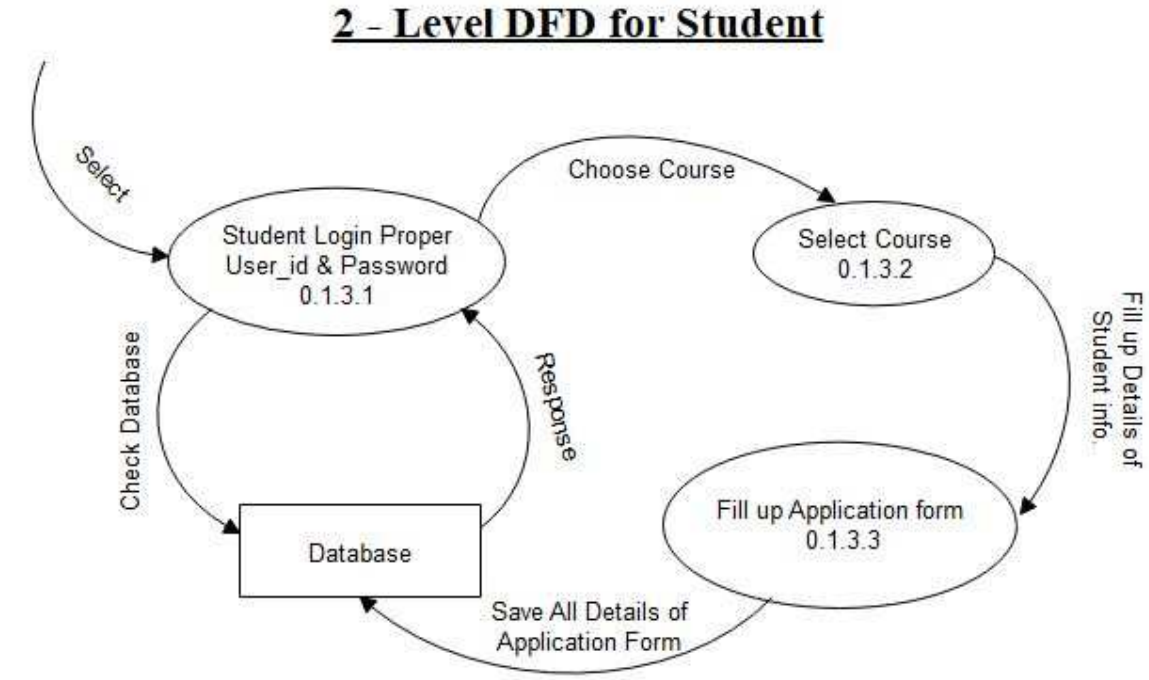


Figure: 2-Level DFD for Student

Data Flow Diagram

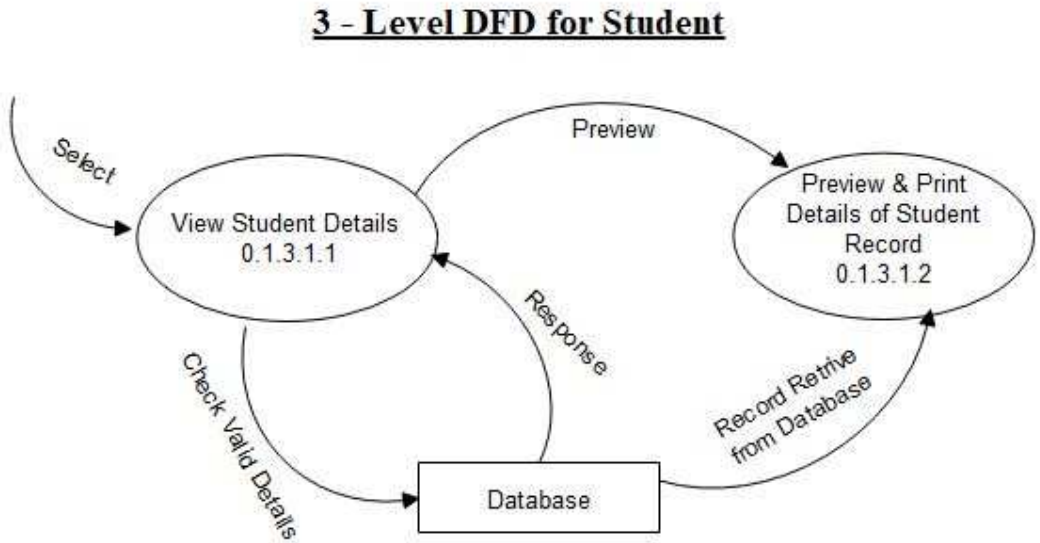
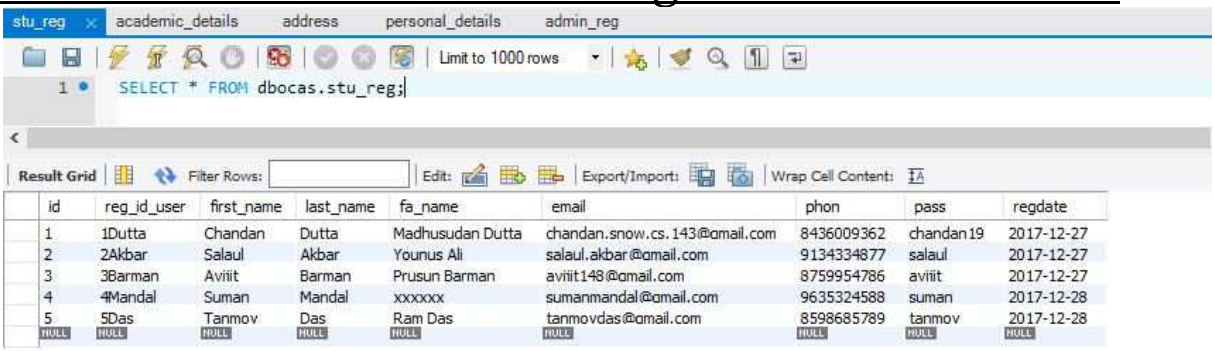


Figure: 3 level DFD for student

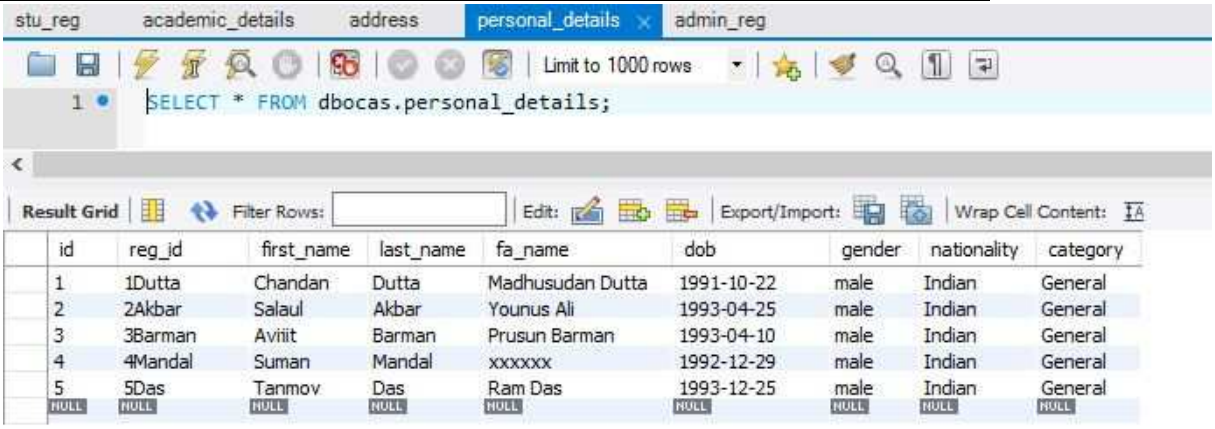
8.Screen-Shots for databases

Screen-Shot for Student Registration Database



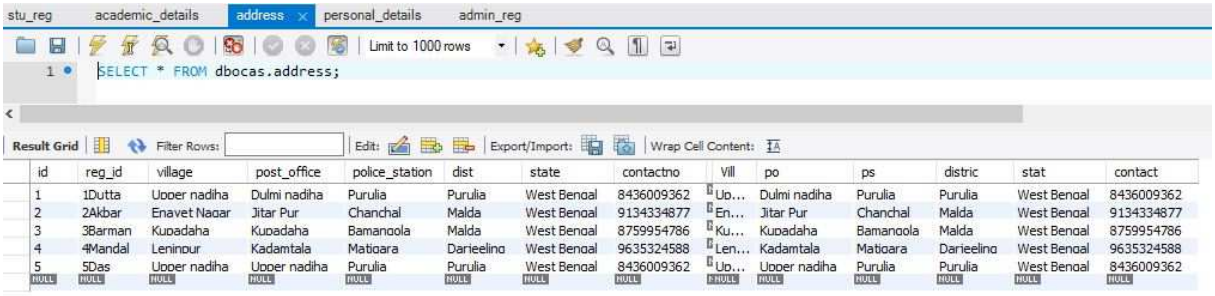
id	reg_id_user	first_name	last_name	fa_name	email	phon	pass	regdate
1	1Dutta	Chandan	Dutta	Madhusudan Dutta	chandan.snow.cs.143@gmail.com	8436009362	chandan19	2017-12-27
2	2Akbar	Salaul	Akbar	Younus Ali	salaul.akbar@gmail.com	9134334877	salaul	2017-12-27
3	3Barman	Aviiit	Barman	Prusun Barman	aviiit148@gmail.com	8759954786	aviiit	2017-12-27
4	4Mandal	Suman	Mandal	xxxxxx	sumanmandal@gmail.com	9635324588	suman	2017-12-28
5	5Das	Tanmov	Das	Ram Das	tanmovdas@gmail.com	8598685789	tanmov	2017-12-28
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Screen-Shot of Personal Details Database



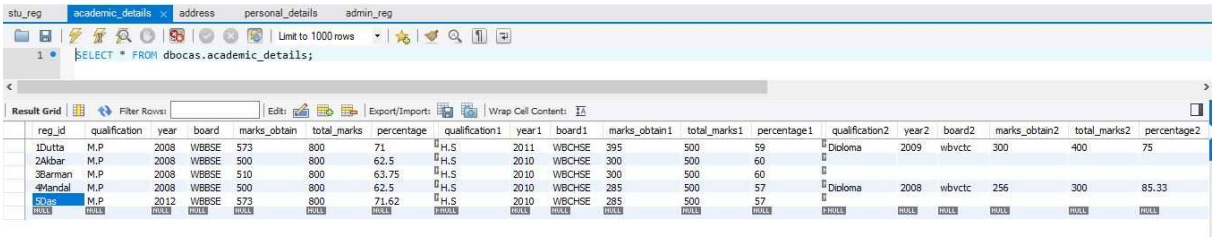
id	reg_id	first_name	last_name	fa_name	dob	gender	nationality	category
1	1Dutta	Chandan	Dutta	Madhusudan Dutta	1991-10-22	male	Indian	General
2	2Akbar	Salaul	Akbar	Younus Ali	1993-04-25	male	Indian	General
3	3Barman	Aviiit	Barman	Prusun Barman	1993-04-10	male	Indian	General
4	4Mandal	Suman	Mandal	xxxxxx	1992-12-29	male	Indian	General
5	5Das	Tanmov	Das	Ram Das	1993-12-25	male	Indian	General
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Screen-Shot for Address Details Database

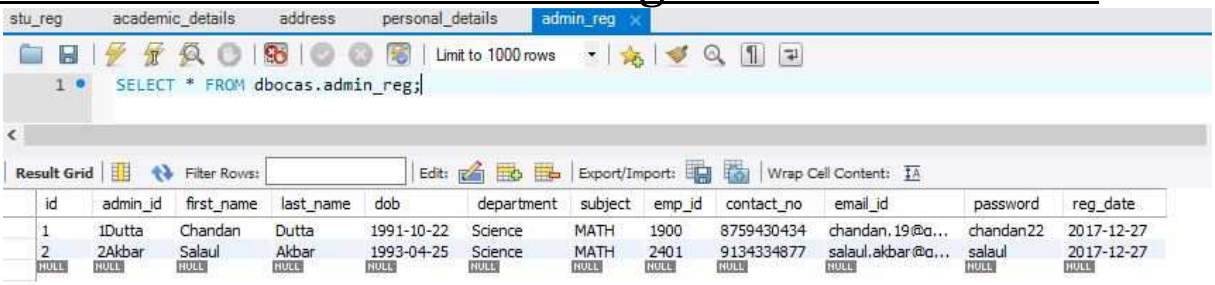


id	reg_id	village	post_office	police_station	dist	state	contactno	Vill	po	ps	distric	stat	contact
1	1Dutta	Upper nadiha	Dulmi nadiha	Purulia	Purulia	West Bengal	8436009362	Up...	Dulmi nadiha	Purulia	Purulia	West Bengal	8436009362
2	2Akbar	Enavet Nagar	Jitar Pur	Chanchal	Malda	West Bengal	9134334877	En...	Jitar Pur	Chanchal	Malda	West Bengal	9134334877
3	3Barman	Kupadaha	Kupadaha	Bamangola	Malda	West Bengal	8759954786	Ku...	Kupadaha	Bamangola	Malda	West Bengal	8759954786
4	4Mandal	Leninpur	Kadamtala	Matiqara	Darjeeling	West Bengal	9635324588	Len...	Kadamtala	Matiqara	Darjeeling	West Bengal	9635324588
5	5Das	Upper nadiha	Upper nadiha	Purulia	Purulia	West Bengal	8436009362	Up...	Upper nadiha	Purulia	Purulia	West Bengal	8436009362
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Screen-Shot for Academic Details Database



Screen-Shot for Admin Reg. Details Database



9. Coding:

Code for application form

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<link rel="stylesheet" type="text/css" href="style1.css">
<style>
table{ border-collapse: collapse;}.table1{border: 0.2em solid;} .cent1{text-align:
center;} .right1{text-align:right;} .justi{text-align:justify;} td {font-size: 22px;
width:2em;
height: 40px;
}
</style>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>b_sc_appform</title>
<script language = "Javascript">
functionValidatefrom(){
varfirstname=document.frm.first_name; //here you type ur email filed like
document.frm.[Email]
varlastname=document.frm.last_name;
varfathername=document.frm.fa_name;
var nationality=document.frm.nationality;
if ((firstname.value==null)||(firstname.value=="")){
alert("Please Enter your name");
firstname.focus();
return false;
}
if ((lastname.value==null)||(lastname.value=="")){
        alert("Please Enter Last name");
        lastname.focus();
        return false;
        }
if ((fathername.value==null)||(fathername.value=="")){
        alert("Please Enter Fathers name");
        fathername.focus();
        return false;
        }
if ((nationality.value==null)||(nationality.value=="")){
        alert("Please Enter Nationality ");
        nationality.focus();
        return false;
        }
return true;
}
```

```
</script>
</head>
<body onload="myfunction()">
<jsp:include page="_header.jsp"></jsp:include>
<div class="upp"></div>
<form name="frm" onSubmit="return Validatefrom()"
action="B_Sc_appform_action.jsp" method="post" >
<center>
<table width="80%" bgcolor="#EAFC55" >
<tr><th><font size="5"> Online Application From For B.Sc Course
</font></th></tr></table>
<table width="80%" bgcolor="#00FFFF" class="table1" >
<tr><td colspan="1" onclick="window.location =
'homepage.jsp';">HOME</td><td>Reg_Id:<input type="hidden" name="reg_id"
value="<%=session.getAttribute("reg_id")%>"><%=session.getAttribute("reg_id")%>
</td><td colspan="2" align="right"><font size="5" color="red">
Wel Come  
<%=session.getAttribute("first_name")%> <%=session.getAttribute("last_name"
)%></font></td></tr>
<tbody>
<tr><td colspan="4"><table width="100%" bgcolor="FFEBCD"  >
<tr><th align="center"><font size="5"><u>Personal Details
</u></font></th></tr></table></td></tr>
<tr><td>First Name:</td><td><input type="text" size="25" name="first_name"
value="" /></td><td></td><td></td></tr>
<tr><td>Last Name:</td><td><input type="text" size="25" name="last_name"
value=""/></td><td></td>
<td rowspan="4">
<table style="width:80%;">
<tr><td></td></tr>
<tr><td></td></tr>
<tr><td></td></tr>
<tr></tr>
<tr><td></td></tr>
</table>
</td>
</tr>
<tr><td>Father's Name:</td><td><input type="text" size="25" name="fa_name"
value=""/></td><td></td></tr>
<tr><td>Date Of Birth:</td><td><input type="date" size="25" name="dob"
value=""/></td></tr>
<tr><td>Gender:</td><td><font size="3">
<input type="radio" name="gender" value="male" > Male
<input type="radio" name="gender" value="female"> Female
<input type="radio" name="gender" value="other">Other</font>
</td><td></td></tr>
<tr><td>Nationality:</td><td><input type="text" size="25" name="nationality"
value=""/></td><td></td><td></td></tr>
<tr><td>Category:</td><td><select name="Category">
<option value="">Select</option>
<option value="General">General</option>
<option value="OBC">OBC</option>
<option value="SC">SC</option>
<option value="ST">ST</option>
```

```
</select></td><td></td><td></td></tr>
<tr><td colspan="4"><input type="hidden" name="reg_id1"
value="<%=session.getAttribute("reg_id")%>"><input type="hidden" name="reg_id2"
value="<%=session.getAttribute("reg_id")%>"></td></tr>
<tr><td colspan="4"><table width="100%" bgcolor="FFEBCD"  >
<tr><th align="center"><font size="5"><u> Address
</u></font></th></tr></table></td></tr>
<tr>
<td colspan="2">
<script type="text/javascript">
functioncopyTextValue(bf) {
var text1 = bf.checked ? document.getElementById("village").value : '';
var text2 = bf.checked ? document.getElementById("po").value : '';
var text3 = bf.checked ? document.getElementById("ps").value : '';
var text4 = bf.checked ? document.getElementById("dist").value : '';
var text5 = bf.checked ? document.getElementById("state").value : '';
var text6 = bf.checked ? document.getElementById("contact").value : '';
document.getElementById("village1").value = text1;
document.getElementById("po1").value = text2;
document.getElementById("ps1").value = text3;
document.getElementById("dist1").value = text4;
document.getElementById("state1").value = text5;
document.getElementById("contact1").value = text6;
}</script>
<table align="left" width="100%">
<tr><td align="center" colspan="2"><u>Present Address</u></td></tr>
<tr class="cent1"><td>Village:</td><td><input id="village" type="text" size="25"
name="village" value=""/></td></tr>
<tr class="cent1"><td>P.O.:</td><td><input id="po" type="text" size="25"
name="po" value=""/></td></tr>
<tr class="cent1"><td>P.S.:</td><td><input id="ps" type="text" size="25" name="ps"
value=""/></td></tr>
<tr class="cent1"><td>Dist:</td><td><input id="dist" type="text" size="25"
name="dist" value=""/></td></tr>
<tr class="cent1"><td>State:</td><td><input  id="state" type="text" size="25"
name="state" value=""/></td></tr>
<tr class="cent1"><td>Contact No:</td><td><input id="contact" type="text"
size="25" name="contact" value=""/></td></tr></table>
</td>
<td colspan="2">
<table align="left" width="100%">
<tr class="cent1"><td><font size="3">Same as Present Address</font><input
type="checkbox" name="check1" onchange="copyTextValue(this);" /></td><td
colspan="2" align="center"><u>Permanent Address</u></td></tr>
<tr class="cent1"><td>Village:</td><td><input id="village1" type="text" size="25"
name="village1" value=""/></td></tr>
<tr class="cent1"><td>P.O.:</td><td><input id="po1" type="text" size="25"
name="po1" value=""/></td></tr>
<tr class="cent1"><td>P.S.:</td><td><input id="ps1" type="text" size="25"
name="ps1" value=""/></td></tr>
<tr class="cent1"><td>Dist:</td><td><input id="dist1" type="text" size="25"
name="dist1" value=""/></td></tr>
<tr class="cent1"><td>State:</td><td><input id="state1" type="text" size="25"
name="state1" value=""/></td></tr>
```

```
<tr class="cent1"><td>Contact No:</td><td><input id="contact1" type="text"
size="25" name="contact1" value=""/></td></tr>
</table>
</td>
</tr>
<tr><td colspan="4" ></td></tr>
<tr><td colspan="4"><table width="100%" bgcolor="FFEBCD"  >
<tr><th align="center"><font size="5"><u> Academic Details
</u></font></th></tr></table></td></tr>
<tr>
<td colspan="4">
<table width="100%" border="1px solid black">
<tr align="center"><td ><font
size="3">Qualification</font></td><td>Year</td><td>Board</td><td>Marks
Obtain</td><td>Total Marks</td><td>Percentage</td></tr>
<tr class="cent1"><td><input type="hidden" name="qualification"
value="M.P">M.P.:</td><td><input type="text" size="5" name="mpyear"
value=""required></td><td><input type="text" size="5" name="mpboard"
value=""></td><td><input type="text" size="5" name="mpmarksobtain"
value=""></td><td><input type="text" size="5" name="mptotalmarks"
value=""></td><td><input type="text" size="5" name="mppercentage"
value=""></td></tr>
<tr class="cent1"><td><input type="hidden" name="qualification1"
value="H.S">H.S.:</td><td><input type="text" size="5" name="hsyear"
value=""required></td><td><input type="text" size="5" name="hsboard"
value=""></td><td><input type="text" size="5" name="hsmarksobtain"
value=""></td><td><input type="text" size="5" name="hstotalmarks"
value=""></td><td><input type="text" size="5" name="hspercentage"
value=""></td></tr>
<tr class="cent1"><td><font size="2">Others Course:(optional)</font><br><input
type="text" size="5" name="others_quali" value=""></td><td><input type="text"
size="5" name="others_year" value=""></td><td><input type="text" size="5"
name="others_board" value=""></td><td><input type="text" size="5"
name="others_marksobtain" value=""></td><td><input type="text" size="5"
name="others_totalmarks" value=""></td><td><input type="text" size="5"
name="others_percentage" value=""></td></tr>
</table>
</td></tr>
<tr><td colspan="4" ></td></tr>
<tr><td colspan="4"><table width="100%" bgcolor="FFEBCD"  >
<tr><th align="center"><font size="5"><u>Declaration
</u></font></th></tr></table></td></tr>
<tr><td colspan="4" ><u><font size="4">&amp;nbsp;Note:</font></u><br><font
size="3">I beg to apply to your College for the academic session 2017-18 on the terms
and conditions laid down or as may be laid down by the College/University from
the time to time. I bind myself to complete the full course of U.G. learning after being
admitted. I also undertake to abide by the rules and dicscipline of
the concerned College as well as the University guidelines.<br><br>
I certify that particulars about myself recorded herein are correct to the best of my
knowledge.</font></td></tr>
<tr><td colspan="3" onclick="myFunction()"><input type="checkbox"  name="check"
oninvalid="alert('Please Tick the Checkbox!');" required /></td><td></td></tr>
<tr><td ></td><td></td><td></td><td></td></tr>
```

```
<tr class="cent1" ><td colspan="4" ><input id="myBtn" type="button" class=
"button22" Value="Back" onclick="window.location = 'login_Success.jsp';"><button
id="myBtn1" class="button22" style="vertical-align:left"><span>Submit
</span></button></td></tr>
</tbody>
</table>
</center>
</form>
</body>
</html>
```

Code for student registration

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<jsp:include page="_header.jsp"></jsp:include>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<link rel="stylesheet" type="text/css" href="style1.css">
<style>
.upp {
        margin:69px ;
        text-align:center;
}
.sizz{
font-size: 22px;
}
</style>
<title>stu_reg</title>
<script language = "Javascript">
functionemailcheck(str) {
var at="@";
var dot=".";
varlat=str.indexOf(at);
varlstr=str.length;
varldot=str.indexOf(dot);
if (str.indexOf(at)==-1){
alert("Invalid E-mail ID");
return false;
}
if (str.indexOf(at)==-1 || str.indexOf(at)==0 || str.indexOf(at)==lstr){
alert("Invalid E-mail ID");
return false;
}
if (str.indexOf(dot)==-1 || str.indexOf(dot)==0 || str.indexOf(dot)==lstr){
alert("Invalid E-mail ID");
return false;
}
if (str.indexOf(at,(lat+1))!=-1){
```

```
alert("Invalid E-mail ID");
return false;
}
if (str.substring(lat-1,lat)==dot || str.substring(lat+1,lat+2)==dot){
alert("Invalid E-mail ID");
return false;
}
if (str.indexOf(dot,(lat+2))==-1){
alert("Invalid E-mail ID");
return false;
}
if (str.indexOf(" ")!=-1){
alert("Invalid E-mail ID");
return false;
}
}
functionValidateEmail(){
varemailID=document.frm.email;
if ((emailID.value==null)||(emailID.value=="")){
alert("Please Enter your Email Address");
emailID.focus();
return false;
}
if (emailcheck(emailID.value)==false){
emailID.value="";
emailID.focus();
return false;
}
return true;
}
</script>
</head>
<body>
<div class="upp"></div>
<center>
<table><tr><td></td></tr></table>
<form name="frm" onSubmit="return ValidateEmail()"
action="student_reg_action.jsp" method="post" >
<table width="65%" bgcolor="FFEBCD" style="border: 3px solid black;" >
<tbody class="sizz" >
<tr><td onclick="window.location = 'homepage.jsp';"><font
size="5">Home</font></td></tr>
<tr>
<td colspan="5"><table width="100%" bgcolor="white"  >
<tr><th align="center"><font size="5"><u>Student Registration From
</u></font></th></tr></table>
</td>
</tr>
<tr><td></td><td colspan="3"><font color="" size="3">Note:- All Fields are
Mandatory </font></td></tr>
<tr><td></td></tr>
<tr><td></td>
<td colspan="2"> First Name: <input type="text" size="25" name="first_name"
value="" required /></td>
```

```
<td colspan="2"> Last Name: <input type="text" size="25" name="last_name"
value=""  required/></td>
</tr>
<tr><td></td></tr>
<tr><td></td></tr>
<tr><td></td>
<td colspan="2"> Father's Name: <input type="text" size="25" name="fa_name"
value="" required/></td>
<td></td>
</tr>
<tr><td></td></tr>
<tr><td></td></tr>
<tr><td></td>
<td colspan="2">Phone No:   <input type="text" size="25" name="phon"
required/></td>
<td></td>
</tr>
<tr><td></td></tr>
<tr><td></td></tr>
<tr><td></td>
<td colspan="2"> Email-Id:     <input type="text" size="25"
name="email" /></td>
<td></td></tr>
<tr><td></td></tr>
<tr><td></td></tr>
<tr><td></td><td colspan="2">  Password:    <input
type="password" size="25" name="pass" value="" required/></td>
</tr>
<tr><td><font color="FFEBCD">----------</font></td></tr>
<tr><td></td><td colspan="3"></td></tr>
<tr><td></td><td colspan="3" align="center"><button>Submit</button>
<input type="reset" value="Reset" /></td></tr>
<tr><td></td></tr>
<tr><td></td><td></td><td colspan="2"> Already registered!! <a
href="homepage.jsp">Login Here</a></td></tr>
<tr><td></td></tr>
</tbody>
</table>
</form>
</center>
</body>
<jsp:include page="_footer.jsp"></jsp:include>
</html>
```

Coding for student form preview

```
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%
String driverName = "com.mysql.jdbc.Driver";
String connectionUrl = "jdbc:mysql://localhost:3306/";
```

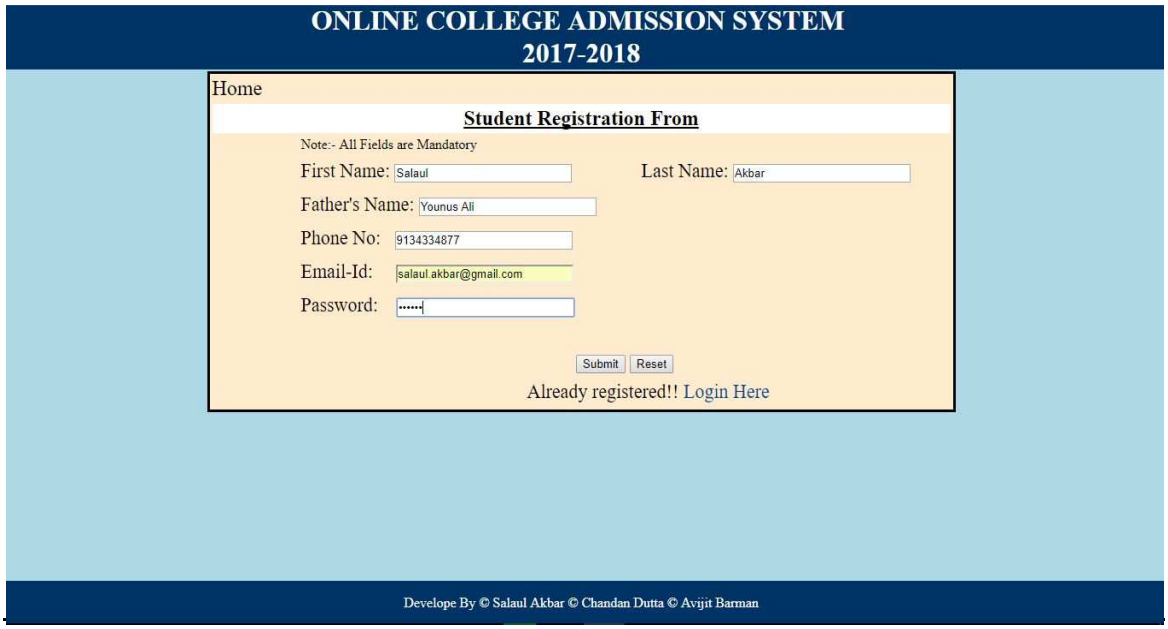
```
String dbName = "dbocas";
String userId = "root";
String password = "root";
try {
Class.forName(driverName);
} catch (ClassNotFoundException e) {
e.printStackTrace();
}
Connection connection = null;
Statement statement = null;
ResultSetresultSet = null;
%>
<html>
<style>
.upp {
        margin:69px ;
        text-align:center;
}
.sizz{
font-size: 20px;
}
</style>
<%
String reg_id = request.getParameter("reg_id");
String pass = request.getParameter("pass");
try{
connection = DriverManager.getConnection(connectionUrl+dbName, userId,
password);
statement=connection.createStatement();
String sql ="SELECT * FROM stu_reg,personal_details,address,academic_details
where stu_reg.reg_id_user=personal_details.reg_id AND
stu_reg.reg_id_user=address.reg_id AND
stu_reg.reg_id_user=academic_details.reg_id AND reg_id_user = '"+ reg_id +"'and
pass='" + pass + "'";
resultSet = statement.executeQuery(sql);
while(resultSet.next()){
%>
<body bgcolor="#DBE4F2">
<div class="upp"></div>
<h2 align="center"><font><strong>Wel Come <%=resultSet.getString("first_name")
%> <%=resultSet.getString("last_name") %></strong></font></h2>
<table width="80%" align="center"  bgcolor="FFEBCD">
<tr>
</tr>
<tr>
<td colspan="4"
><b>Reg_id</b>     <%=resultSet.getString("reg_id_u
ser") %></td></tr>
<tr><th align="center" colspan="6"><font size="5"><u> Personal Details
</u></font></th></tr>
<tr><td><b>First Name</b></td><td><%=resultSet.getString("first_name") %></td>
<td><b>Last Name</b></td><td><%=resultSet.getString("last_name") %></td></tr>
<tr><td><b>Father Name</b></td><td><%=resultSet.getString("fa_name")
%></td></tr>
```

```
<tr><td><b>Date Of Birth</b></td><td><%=resultSet.getString("dob") %></td></tr>
<tr><td><b>Gender</b></td><td><%=resultSet.getString("gender") %></td></tr>
<tr><td><b>Category</b></td><td><%=resultSet.getString("category") %></td></tr>
<tr><td><b>Nationality</b></td><td><%=resultSet.getString("nationality")
%></td></tr>
<tr><th align="center" colspan="6"><font size="5"><u> Address Details
</u></font></th></tr>
<tr><td><b>Village</b></td><td><%=resultSet.getString("village") %></td></tr>
<tr><td><b>Post Office</b></td><td><%=resultSet.getString("post_office")
%></td></tr>
<tr><td><b>Police Station</b></td><td><%=resultSet.getString("police_station")
%></td></tr>
<tr><td><b>Dist</b></td><td><%=resultSet.getString("dist") %></td></tr>
<tr><td><b>State</b></td><td><%=resultSet.getString("state") %></td></tr>
<tr><td><b>Email</b></td><td><%=resultSet.getString("email") %></td></tr>
<tr><td><b>Phone</b></td><td><%=resultSet.getString("phon") %></td></tr>
<tr><th align="center" colspan="6"><font size="5"><u> Academic Details
</u></font></th></tr>
<tr><td><b>Qualification</b></td><td><b>Year</b></td><td><b>Board</b></td><t
d><b>Marks Obtain</b></td><td><b>Total
Marks</b></td><td><b>Percentage</b></td></tr>
<tr><td><%=resultSet.getString("qualification")
%></td><td><%=resultSet.getString("year")
%></td><td><%=resultSet.getString("board")
%></td><td><%=resultSet.getString("marks_obtain")
%></td><td><%=resultSet.getString("total_marks")
%></td><td><%=resultSet.getString("percentage") %></td></tr>
<tr><td><%=resultSet.getString("qualification1")
%></td><td><%=resultSet.getString("year1")
%></td><td><%=resultSet.getString("board1")
%></td><td><%=resultSet.getString("marks_obtain1")
%></td><td><%=resultSet.getString("total_marks1")
%></td><td><%=resultSet.getString("percentage1") %></td></tr>
<tr><td><%=resultSet.getString("qualification2")
%></td><td><%=resultSet.getString("year2")
%></td><td><%=resultSet.getString("board2")
%></td><td><%=resultSet.getString("marks_obtain2")
%></td><td><%=resultSet.getString("total_marks2")
%></td><td><%=resultSet.getString("percentage2") %></td></tr>
<tr><td colspan="6"align="center"><button onclick="window.location =
'print_application.jsp';">Back</button>  <input type="button"
value="Print" onClick="window.print()">
</td></tr>
<%
}
} catch (Exception e) {
e.printStackTrace();
}
%>
</table>
</body>
</html>
```

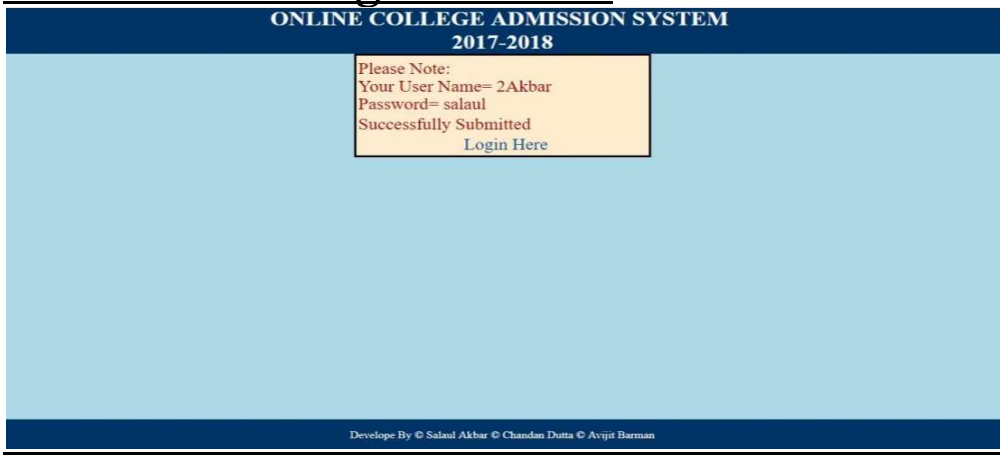
10. Screen Shot:

Screen shot of Home page

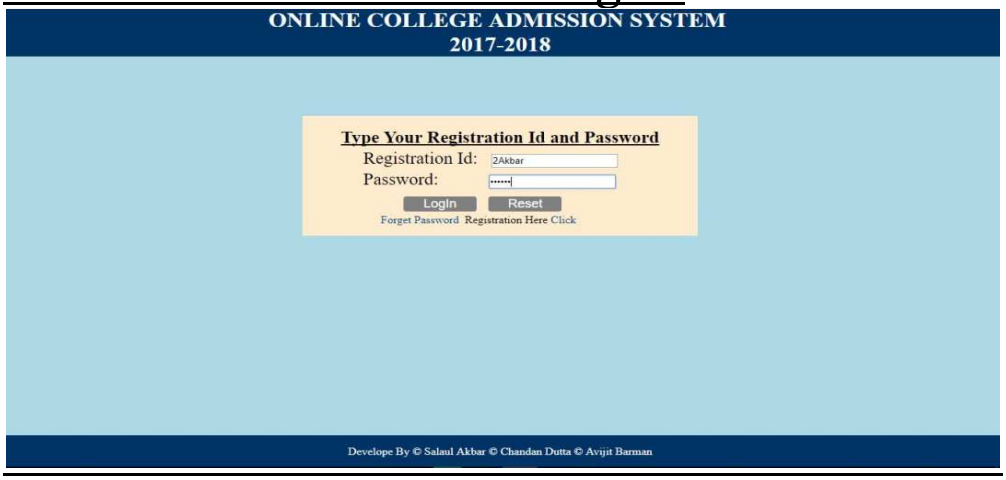
Screen shot of Student registration



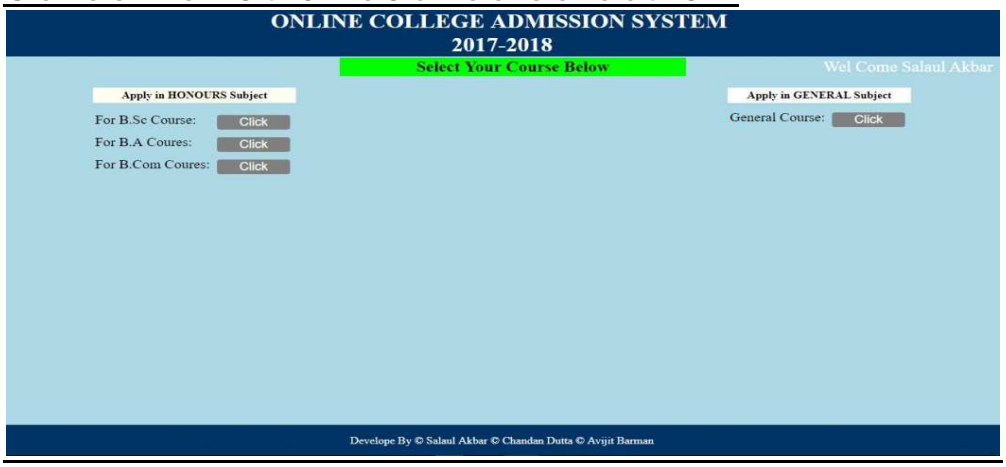
Screen shot id generation



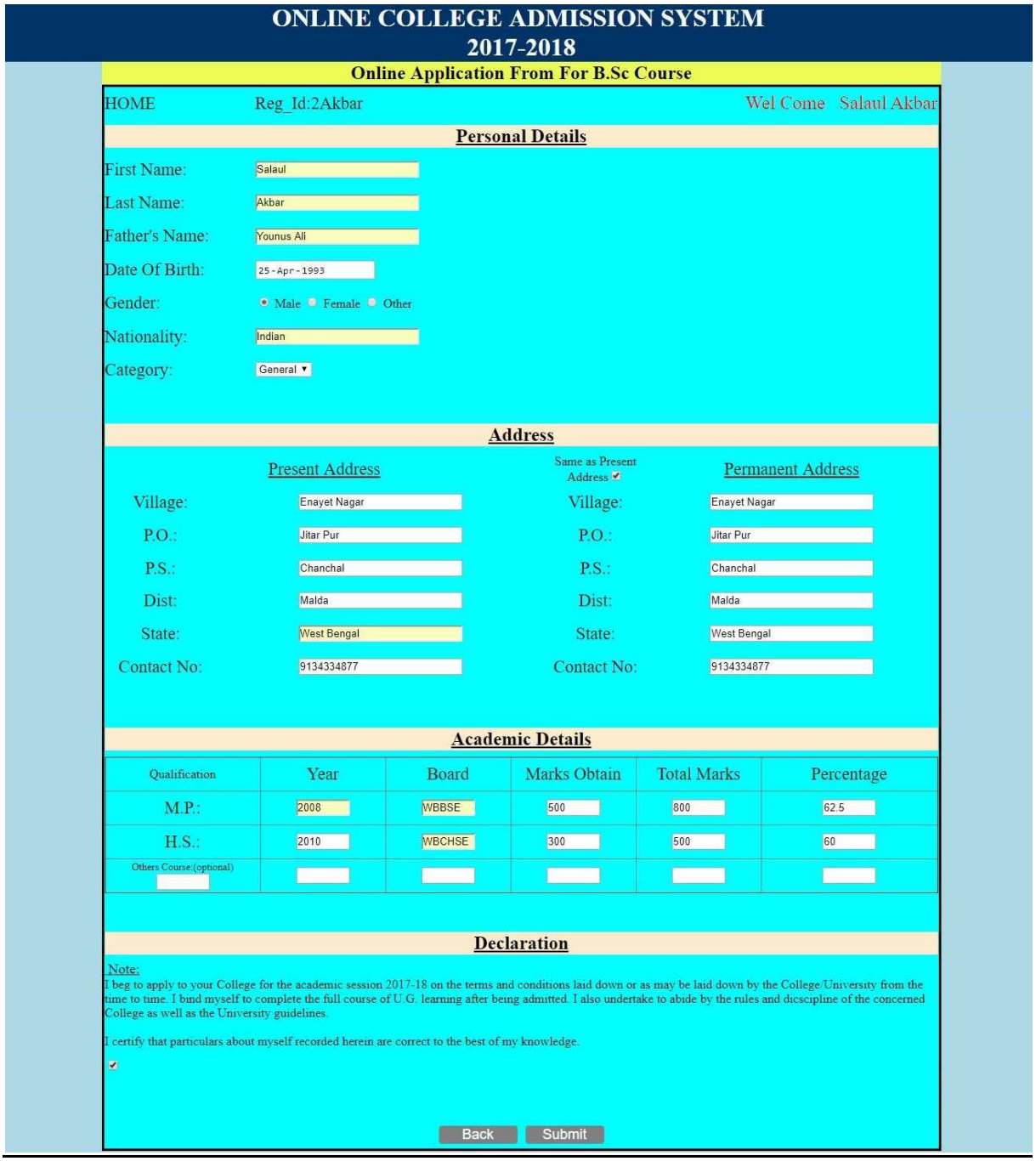
Screen shot of student log in



Screen shot of course selection



Screenshot application form



ONLINE COLLEGE ADMISSION SYSTEM
2017-2018

Online Application From For B.Sc Course

HOME Reg_Id:2Akbar Wel Come Salaul Akbar

Personal Details

First Name: Salaul
Last Name: Akbar
Father's Name: Younus Ali
Date Of Birth: 25-Apr-1993
Gender: Male Female Other
Nationality: Indian
Category: General

Address

	Present Address	Same as Present Address	Permanent Address
Village:	Enayet Nagar	Village:	Enayet Nagar
P.O.:	Jitar Pur	P.O.:	Jitar Pur
P.S.:	Chanchal	P.S.:	Chanchal
Dist:	Malda	Dist:	Malda
State:	West Bengal	State:	West Bengal
Contact No:	9134334877	Contact No:	9134334877

Academic Details

Qualification	Year	Board	Marks Obtain	Total Marks	Percentage
M.P.:	2008	WBBSE	500	800	62.5
H.S.:	2010	WBCHSE	300	500	60
Others Course:(optional)					

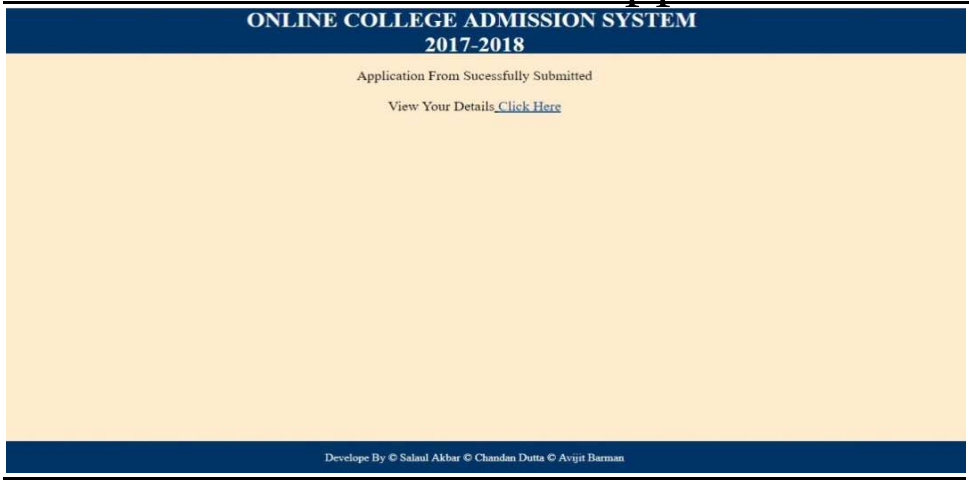
Declaration

Note:
I beg to apply to your College for the academic session 2017-18 on the terms and conditions laid down or as may be laid down by the College/University from the time to time. I bind myself to complete the full course of U.G. learning after being admitted. I also undertake to abide by the rules and dicscipline of the concerned College as well as the University guidelines.

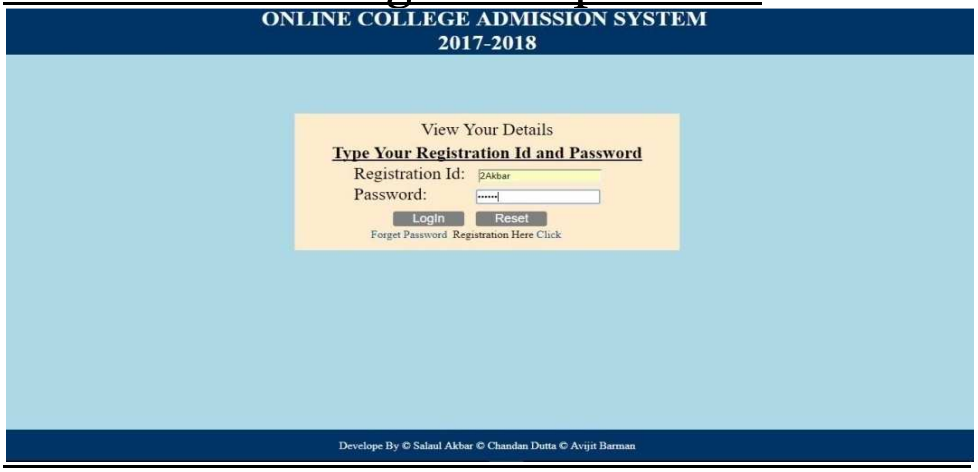
I certify that particulars about myself recorded herein are correct to the best of my knowledge.

Back Submit

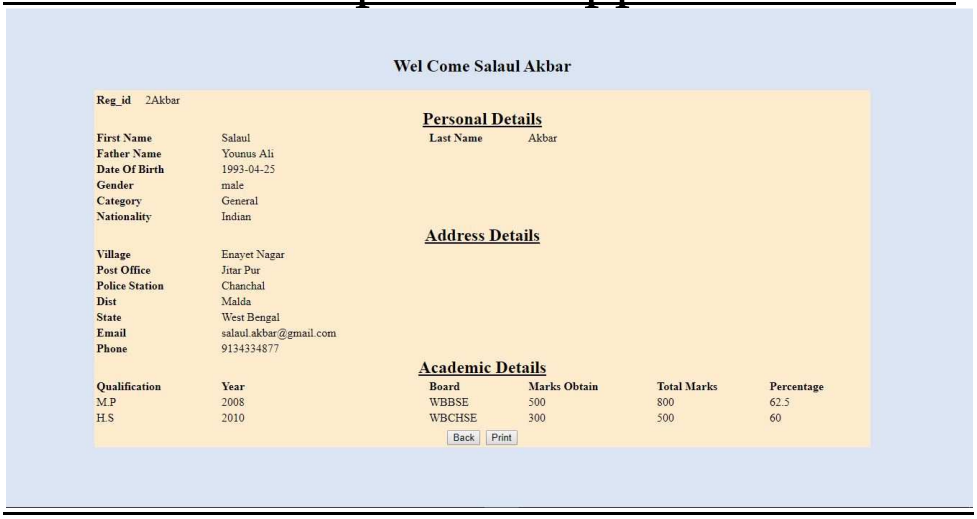
Screenshot of submitted application form



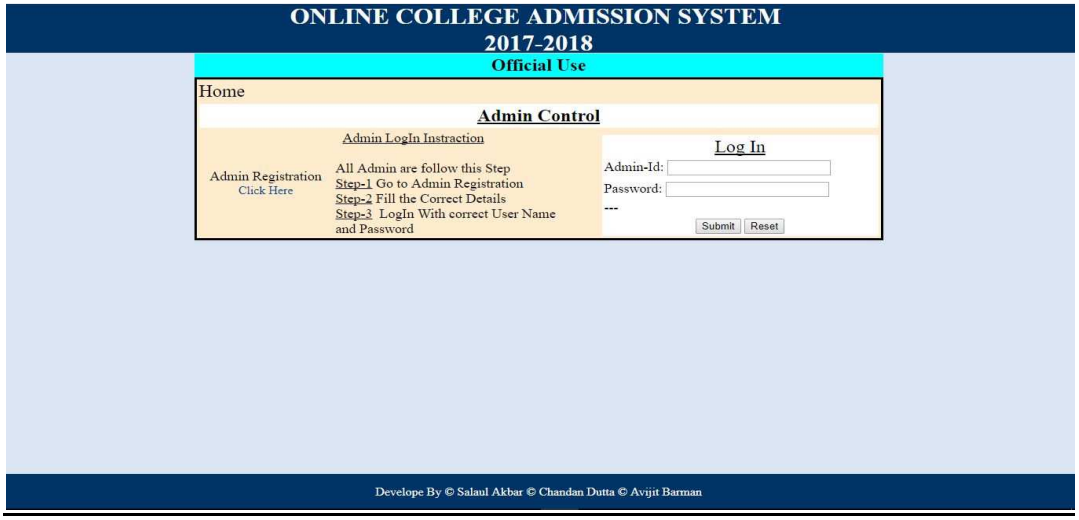
Screenshot of log in for preview



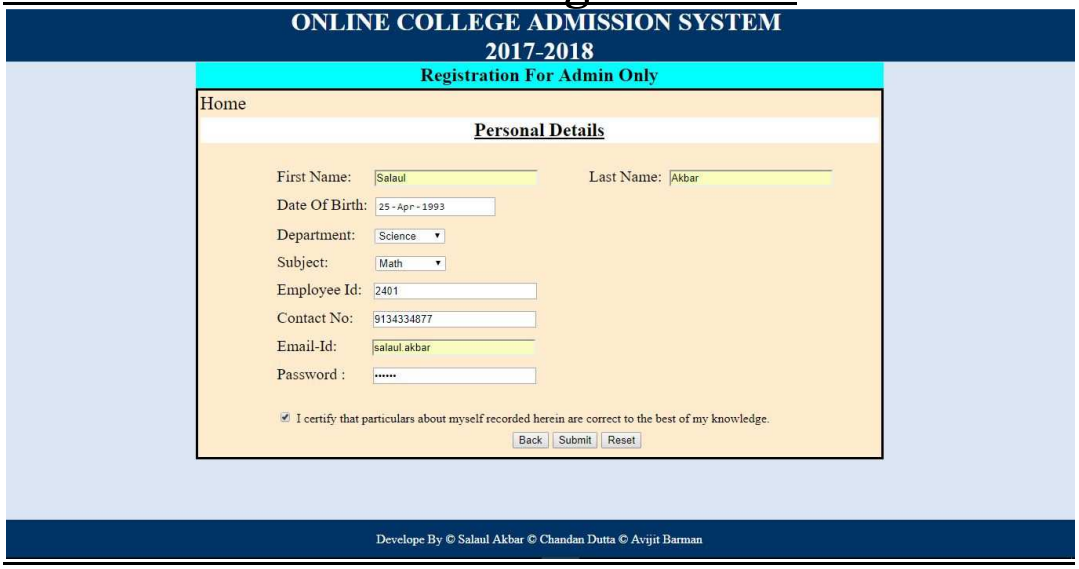
Screen shot of preview application form



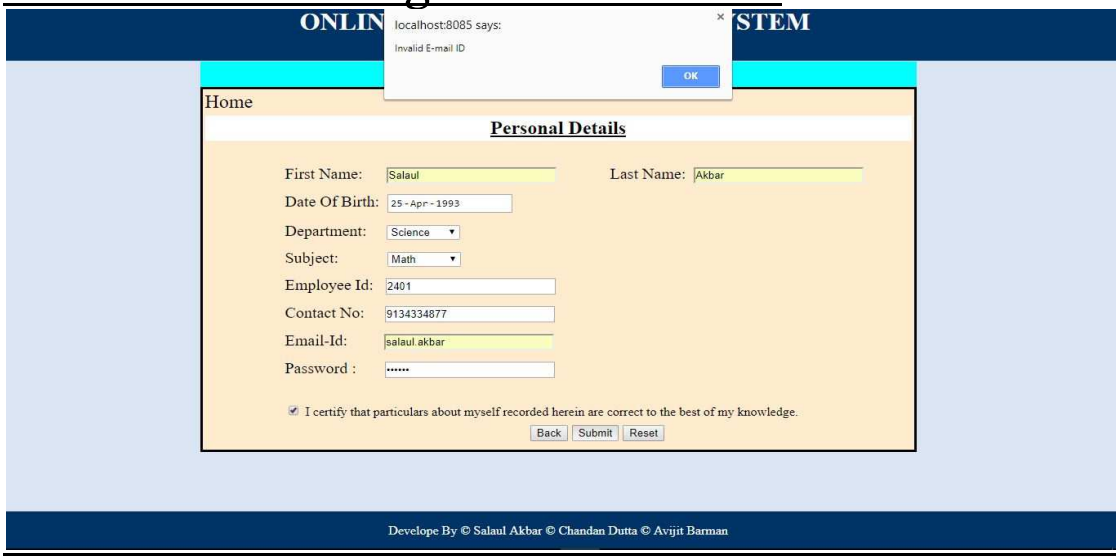
Screenshot of admin control



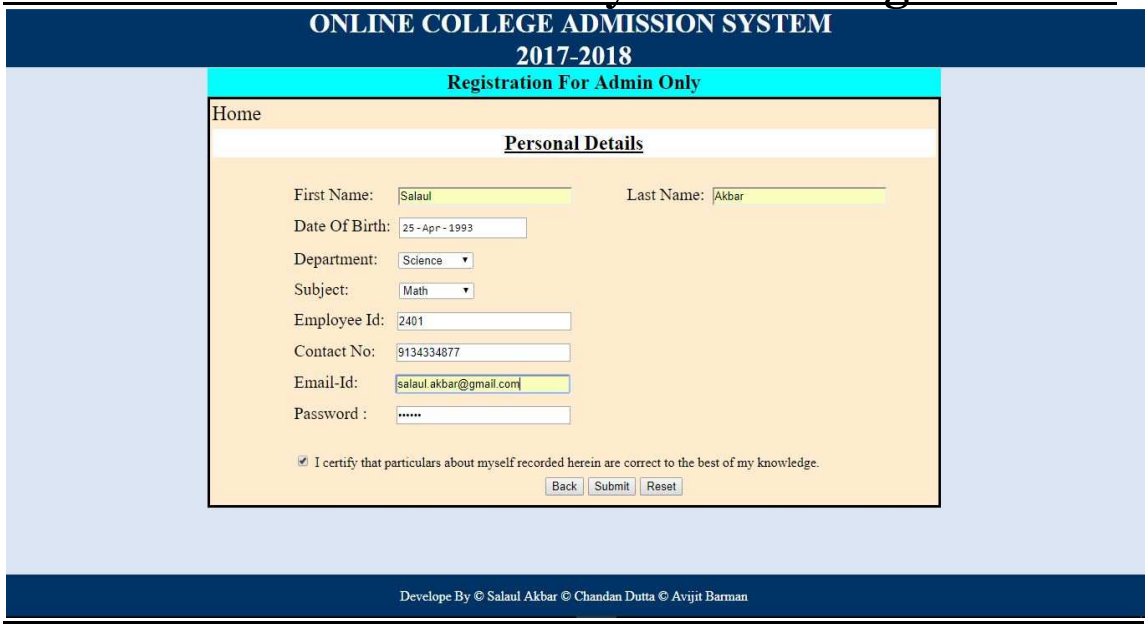
Screenshot of Admin registration



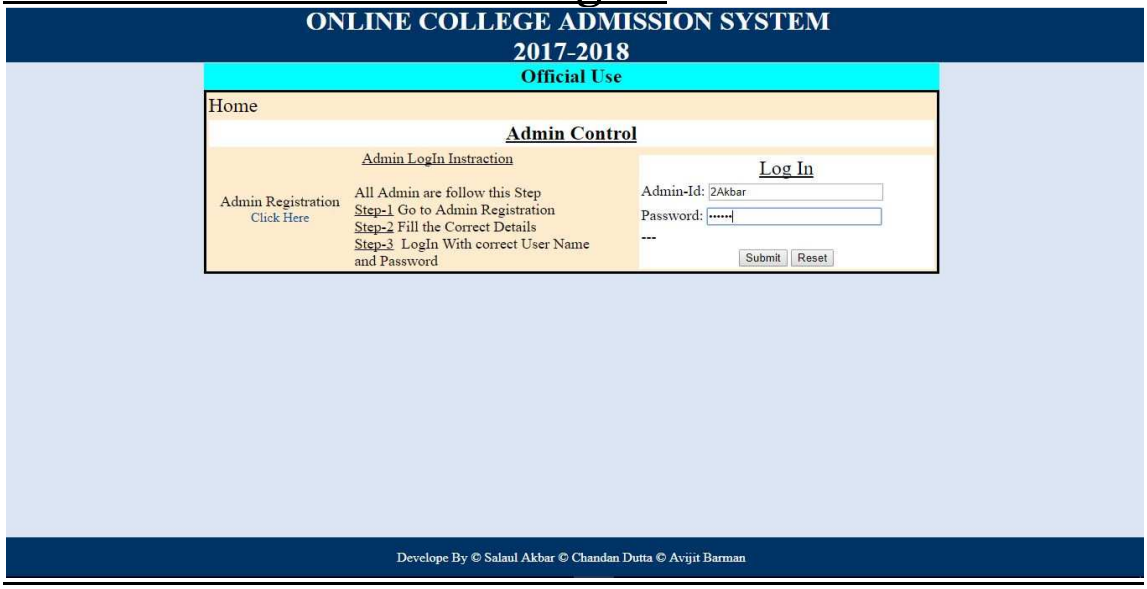
Screenshot of Registration Error



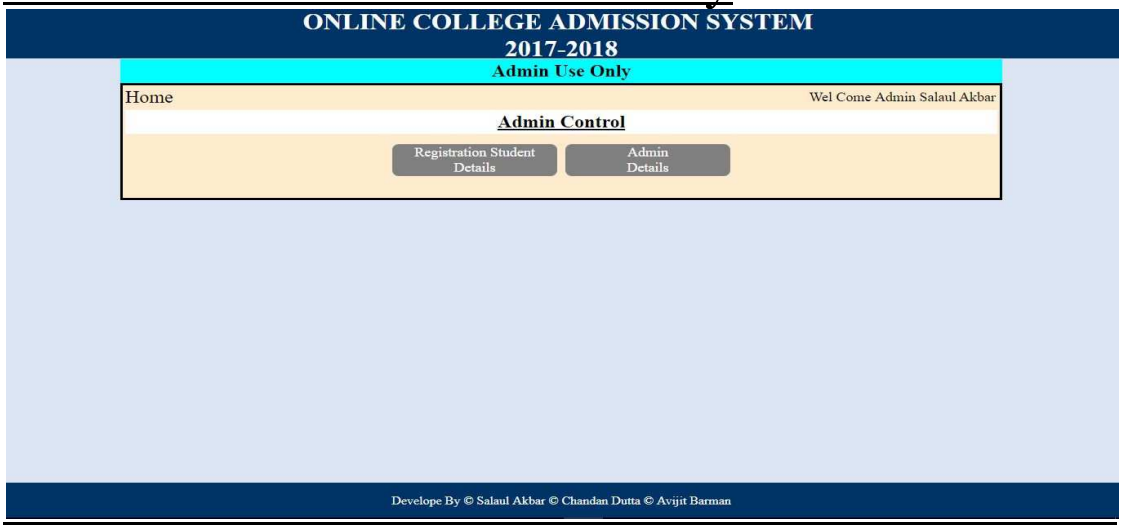
Screenshot of Successfully Admin Registration



Screenshot of Admin Log in

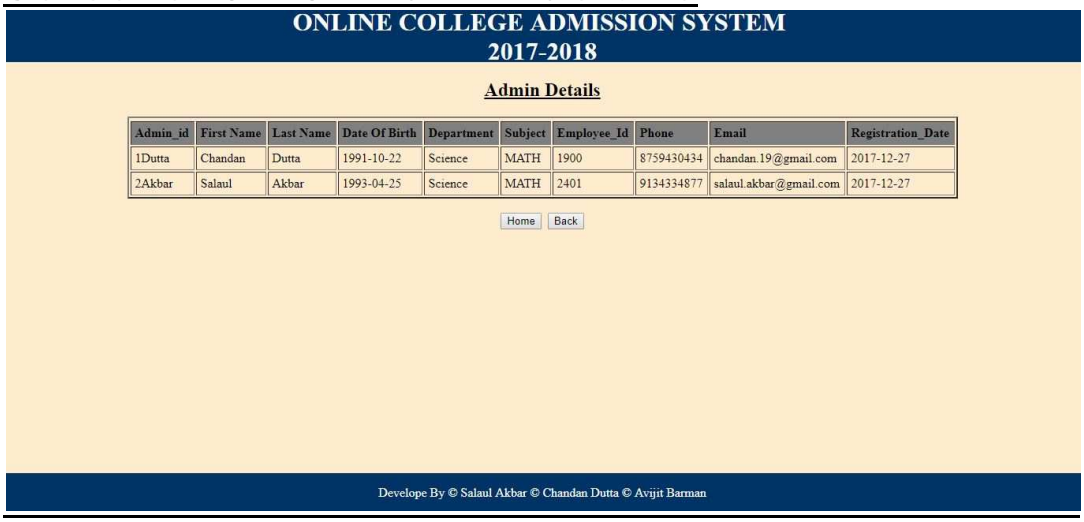


Screenshot of Admin Use Only



Screenshot for student registration details

Screenshot for Admin details



11.Testing :

Which one detects the defects in the software. Testing is a set of activities that work towards the integration of entire computer based system. A good test case is one that has a high probability of finding an as-yet undiscovered error. A successful test is one such uncovers or finds such errors. If testing is conducted successfully, it will uncover errors in the software. It also demonstrates that software functions are being performed according to specifications and also behavioural and performance requirements are satisfied. For this, test plans have to be prepared. The implementation of a computer system requires that test data has to be prepared and that all the elements in the system are tested in a planned and efficient manner. Nothing is complete without testing, as it is vital success of the system.

11.1Testing objectives:

There are several rules that can serve as testing objectives. They are: Testing is process of executing a program and finding a bug. A good test case is one that has a high probability of finding an undiscovered. A successful test is one that uncovers an undiscovered error. If testing is conducted successfully according to the objectives as stated above, it would uncover errors in the software. Also testing demonstrates that software functions appear to the working according to the specification, that performance requirements appear to have been met.

11.2Unit testing:

Unit testing is carried out screen-wise, each screen being identified as an object. Attention is diverted to individual modules, independently to one another to locate errors. This has enabled the detection of errors in coding and logic. This is the first level of testing. In this, codes are written such that from one module, we can move on to the next module according to the choice we enter.

11.3System testing:

In this, the entire system was tested as a whole with all forms, code, modules and class modules. System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. It is a series of different tests that verifies that all system elements have been properly integrated and perform allocated functions. System testing makes logical assumptions that if all parts of the system are correct, the goal will be successfully

achieved. Testing is the process of executing the program with the intent of finding errors. Testing cannot show the absence of defects, it can only show that software errors are present.

11.4Integration testing:

This testing strategies combines all the modules involved in the system. After the independent modules are tested, dependent modules that use the independent modules are tested. This sequence of testing layers of dependent modules continues until the entire system is constructed. Though each module individually, they should work after linking them together. Data may be lost across interface and one module can have adverse effect on another. Subroutines, after linking, may not do the desired function expected by the main routine. Integration testing is a systematic technique for constructing program structure while at the same time, conducting test to uncover errors associated with the interface. In the testing the programs are constructed and tested in the small segments.

11.5White box testing:

White-box testing is concerned with testing the implementation of the program. The intent of this testing is not to exercise all the different input or output conditions but to exercise the different programming structures and data structures used in the program. White box testing is also called.

11.6Black box testing:

In black-box testing the structure of the program is not considered. Test cases are decided solely on the basis of the requirements or specifications of the program or module, and the internals of the module or the program are not considered for selection of test cases. In black-box testing, the tester only knows the inputs that can be given to the system and what output the system should give. This form of testing is also called functional or behavioural testing. The most obvious functional testing procedure is exhaustive testing. One criterion for generating test cases is to generate them randomly. There are no formal rules for designing test cases for functional testing. In fact, there are no precise criteria for selecting test cases.

12. System maintenance:

Maintenance involves the software industry captive, typing up the system resources. It means restoring something to its original condition. Maintenance involves a wide range of activities including correcting, coding, and design errors, updating documentation and test data and upgrading user support. Maintenance is continued till the product is re-engineered or deployed to another platform. Maintenance is also done based on fixing the problems reported, changing the interface with other software or hardware enhancing the software.

13. Future scope:

The future scope of this project is very broad few of them are:

- This can be implemented in less time for proper admission process
- This can be accessed anytime anywhere, since it is a web application provided only an internet connection.
- The user had not need to travel a long distance for the admission and his/her time is also saved as a result of this automated system

14. 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. 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, 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.

15. References:

Provide a list of all documents and other sources of information referenced in the Software Design Description (SDD) and utilized in developing the SDD. Include for each the document number, title, date, and author.

Document No.	Document Title	Author
1	Database System Concepts	Korth
2	Advanced JAVA	Allamarauja
3	Software Engineering	Roger S. Pressman
4	Complete Reference JAVA	Herbert Schildt
5	Programming with Java : A primer	E. Balaguruswamy
6	www.o7planning.org	
7	www.javatpoint.com	
8	www.tutorialspoint.com	
9	www.w3schools.com	
10	www.webdevelopersnotes.com	
11	www.wikipedia.com	