

# **STUDENT MIGRATION SUPPORT SYSTEM**

*Project Report Submitted By*

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**Reg. No.: AJC20MCA-2010**

*In Partial fulfillment for the Award of the Degree Of*

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(REGULAR MCA)  
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**AMAL JYOTHI COLLEGE OF ENGINEERING  
KANJIRAPPALLY**

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**2021-2022**

**DEPARTMENT OF COMPUTER APPLICATIONS**  
**AMAL JYOTHI COLLEGE OF ENGINEERING**  
**KANJIRAPPALLY**



**CERTIFICATE**

This is to certify that the Project report, “**STUDENT MIGRATION SUPPORT SYSTEM**” is the bonafide work of **AMALA MARIYAT (Reg.No:AJC20MCA-2010)** in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2021-22.

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## **DECLARATION**

I hereby declare that the project report “**STUDENT MIGRATION SUPPORT SYSTEM**” is a bonafided work done at Amal Jyothi College of Engineering, towards the partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications (MCA) from APJ Abdul Kalam Technological University, during the academic year 2021-2022.

**Date: 20/01/2021**

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## ACKNOWLEDGEMENT

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I thank our beloved teachers for their cooperation and suggestions that helped me throughout the project. I express my thanks to all my friends and classmates for their interest, dedication, and encouragement shown towards the project. I convey my hearty thanks to my family for the moral support, suggestions, and encouragement to make this venture a success.

AMALA MARIYAT

## **ABSTRACT**

Student Migration System is a website for supporting Malayali Students who are waiting to move Canada for their Educational purposes. With the rapid rise of International Education more students are seeking higher education in Canadian Countries. Based on Statistics, around 14% of International students in Canada are comprised of Indian students. So, we are here to combine all the immigration processes under one system with modules Admin, Students, Immigration Office, University, and Immigration Consultancy. Here the students can search and compare Consultancies and Universities by their services and policies. That will help students to choose the best matching one for them, Also this will avoid fraud Consultancies, by evaluating the registration of consultancies into the system by Admin. Registrations to consultancies and further procedures can be done by Students. Students can upload and their documents in the system. Consultancies can proceed the application to University and Canadian Immigration Office. They can verify and approve student applications.

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## **List of Abbreviation**

IDE	-	Integrated Development Environment
HTML	-	Hyper Text Markup Language.
CSS	-	Cascading Style Sheet
SQL	-	Structured Query Language
UML	-	Unified Modeling Language



# **CHAPTER 1**

## **INTRODUCTION**

## 1.1 PROJECT OVERVIEW

**CANDREAM** is a Student Migration System website for supporting Malayali Students who are waiting to move Canada for their Educational purposes. All the huge list of processes can be done through a single system CANDREAM. With the rapid rise of International Education more students are seeking higher education in Canadian Countries. Based on Statistics, around 14% of International students in Canada are comprised of Indian students. So, we are here to combine all the immigration processes under one system with modules Admin, Students, Immigration Office, University, and Immigration Consultancy. Here the students can search and compare Consultancies and Universities by their services and policies. That will help students to choose the best matching one for them, Also this will avoid fraud Consultancies, by evaluating the registration of consultancies into the system by Admin. Registrations to consultancies and further procedures can be done by Students. Students can upload and their documents in the system. Consultancies can proceed the application to University and Canadian Immigration Office. They can verify and approve student applications.

Here the student can apply for admission by checking Universities, Courses and Consultancies through the portal available for students. Admin will verify the applications and confirm the acceptance of that. Also admin can manage Universities, Consultancies and Courses. The rest of the things can be done later.

## 1.2 PROJECT SPECIFICATION

The system includes 2 modules. They are:

### 1.Admin

- Login
- Add University
- Manage University
- Add Courses
- Manage Courses
- Verify Consultancies
- Manage Consultancies

### 2.Student

- Registration
- Login
- View Consultancies
- View Universities
- View Course eligibility
- Apply for Admission

## **CHAPTER 2**

### **SYSTEM STUDY**

## 2.1 INTRODUCTION

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is studied to the minute's detail and analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analysing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action.

A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal.

Preliminary study is the process of gathering and interpreting facts, using the information for further studies on the system. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers. It does various feasibility studies. In these studies, a rough figure of the system activities can be obtained, from which the decision about the strategies to be followed for effective system study and analysis can be taken.

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## 2.2 EXISTING SYSTEM

In existing system there are different websites which we have to visit and register for the each steps of the entire migration process. It may have to spend more time for that. And also we cannot know what is the current status of the application. Delay in getting the information that the application is canceled will result in a lot of time wastage. And the majority of the processes cannot be done through automated system in the existing system. There are no way to detect fraud consultancies there. Because, lots of consultancy pages are available in internet, it is difficult to identify which is genuine.

## 2.3 PROPOSED SYSTEM

The proposed system is defined to meets all the disadvantages of the existing system. It is necessary to have a system that is more user friendly and user attractive for business growth; on such consideration the system is proposed. In our proposed system there is admin who can view all the students. .Users of this proposed system are admin, student.. The aim of proposed system is to develop a system of improved facilities. The system ensures security and reduces the manual work.

## 2.4 ADVANTAGES OF PROPOSED SYSTEM

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features:

- **Better security: -**

For data to remain secure measures must be taken to prevent unauthorized access. Security means that data are protected from various forms of destruction. The system security problem can be divided into four related issues: security, integrity, privacy and confidentiality. Username and password requirement to sign in ensures security. It will also provide data security as we are using the secured databases for maintaining the documents.

**● Ensure data accuracy: -**

The proposed system eliminates the manual errors while entering the details of the users during the registration.

**● Better service: -**

The system will avoid the burden of hard copy storage. We can also conserve the time and human resources for doing the same task. The data can be maintained for longer period with no loss of data.

**● Avoid Fraud Consultancies :-**

Admin will verify the registered consultancies that they are genuine or not.

## **CHAPTER 3**

### **REQUIREMENT ANALYSIS**



### 3.1 FEASIBILITY STUDY

Feasibility study is made to see if the project on completion will serve the purpose of the organization for the amount of work, effort and the time that spend on it. Feasibility study lets the developer foresee the future of the project and the usefulness. A feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources. Thus, when a new application is proposed it normally goes through a feasibility study before it is approved for development.

The document provides the feasibility of the project that is being designed and lists various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibilities. The following are its features: -

#### 3.1.1 Economical Feasibility

The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which affect the development of a new system, is the cost it would require.

The following are some of the important financial questions asked during preliminary investigation:

- The costs conduct a full system investigation.
- The cost of the hardware and software.
- The benefits in the form of reduced costs or fewer costly errors.

The proposed system is developed as part of project work, there is no manual cost to spend for the proposed system. Also all the resources are already available, it give an indication of the system is economically possible for development.

The cost of project, CANDREAM Home was divided according to the system used, its development cost and cost for hosting the project. According to all the calculations the project was developed in a low cost. As it is completely developed using open source software.

### 3.1.2 Technical Feasibility

The system must be evaluated from the technical point of view first. The assessment of this feasibility must be based on an outline design of the system requirement in the terms of input, output, programs and procedures. Having identified an outline system, the investigation must go on to suggest the type of equipment, required method developing the system, of running the system once it has been designed. Technical issues raised during the investigation are:

- Does the existing technology sufficient for the suggested one?
- Can the system expand if developed?

The project should be developed such that the necessary functions and performance are achieved within the constraints. The project requires High Resolution Scanning device and utilizes Cryptographic techniques. Through the technology may become obsolete after some period of time, due to the fact that newer version of same software supports older versions, the system may still be used. So there are minimal constraints involved with this project. The system has been developed using PHP in front end and MySQL in server in back end, the project is technically feasible for development. The system has been developed using PHP in front end and MySQL in server in back end, the project is technically feasible for development. The System used was also of good performance of Processor Intel i3 core; RAM 4GB and, Hard disk 1TB

**3.1.3 Behavioral Feasibility** The proposed system includes the following questions:

- Is there sufficient support for the users?
- Will the proposed system cause harm?

The project would be beneficial because it satisfies the objectives when developed and installed. All Behavioral aspects are considered carefully and conclude that the project is behaviorally feasible.

CANDREAM HOME, GUI is simple so that users can easily use it. CANDREAM HOME is simple enough so that no training is needed.

## 3.2 SYSTEM SPECIFICATION

### 3.2.1 Hardware Specification

Processor	- Intel core i3
RAM	- 4 GB
Hard disk	- 1 TB

### 3.2.2 Software Specification

Front End	PHP
-	
Backend-	MYSQL
Client on PC-	Windows 7 and above.

Technologies used - JS, HTML5, AJAX, J Query, CSS

## 3.3 SOFTWARE DESCRIPTION

### 3.3.1 PHP

PHP is a server side scripting language designed for web development but also used as a general purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by the PHP group. While PHP originally stood for personal Home page, it now stands for PHP: Hypertext Preprocessor, a recursive acronym. PHP code is interpreted by a web server with a PHP processor module which generates the resulting web page. PHP commands can be embedded directly into a HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone incompatible with the GNU General Public License (GPL) due to restrictions on the usage of the term PHP. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

### 3.3.2 MySQL

MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by Oracle Corporation. The MySQL Web site provides the latest information about MySQL software.

- **MySQL is a database management system.**

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

- **MySQL databases are relational.**

A relational database stores data in separate tables rather than putting all the data in one big storeroom. The database structures are organized into physical files optimized for speed. The logical model, with objects such as databases, tables, views, rows, and columns, offers a flexible programming environment. You set up rules governing the relationships between different data fields, such as one-to-one, one-to-many, unique, required or optional, and “pointers” between different tables. The database enforces these rules, so that with a well-designed database, your application never sees inconsistent, duplicate, orphan, out-of-date, or missing data.

The SQL part of “MySQL” stands for “Structured Query Language”. SQL is the most common standardized language used to access databases. Depending on your programming environment, you might enter SQL directly (for example, to generate reports), embed SQL statements into code written in another language, or use a language-specific API that hides the SQL syntax. SQL is defined by the ANSI/ISO SQL Standard. The SQL standard has been evolving since 1986 and several versions exist. In this manual, “SQL92” refers to the standard released in 1992,

“SQL: 1999” refers to the standard released in 1999, and “SQL: 2003” refers to the current version of the standard. We use the phrase “the SQL standard” to mean the current version of the SQL Standard at any time.

- **MySQL software is Open Source.**

Open Source means that it is possible for anyone to use and modify the software.

Anybody can download the MySQL software from the Internet and use it without paying anything. If you wish, you may study the source code and change it to suit your needs. The MySQL software uses the GPL (GNU General Public License), to define what you may and may not do with the software in different situations. If you feel uncomfortable with the GPL or need to embed MySQL code into a commercial application, you can buy a commercially licensed version from us. See the MySQL Licensing Overview for more information.

- **The MySQL Database Server is very fast, reliable, scalable, and easy to use.**

If that is what you are looking for, you should give it a try. MySQL Server can run comfortably on a desktop or laptop, alongside your other applications, web servers, and so on, requiring little or no attention. If you dedicate an entire machine to MySQL, you can adjust the settings to take advantage of all the memory, CPU power, and I/O capacity available.

- **MySQL Server works in client/server or embedded systems.**

The MySQL Database Software is a client/server system that consists of a multithreaded SQL server that supports different backends, several different client programs and libraries, administrative tools, and a wide range of application programming interfaces (APIs). We also provide MySQL Server as an embedded multi-threaded library that you can link into your application to get a smaller, faster, easier-to-manage standalone product.

## **CHAPTER 4**

### **SYSTEM DESIGN**

## 4.1 INTRODUCTION

Design is the first step into the development phase for any engineered product or system. Design is a creative process. A good design is the key to effective system. The term “design” is defined as “the process of applying various techniques and principles for the purpose of defining a process or a system in sufficient detail to permit its physical realization”. It may be defined as a process of applying various techniques and principles for the purpose of defining a device, a process or a system in sufficient detail to permit its physical realization. Software design sits at the technical kernel of the software engineering process and is applied regardless of the development paradigm that is used. The system design develops the architectural detail required to build a system or product. As in the case of any systematic approach, this software too has undergone the best possible design phase fine tuning all efficiency, performance and accuracy levels. The design phase is a transition from a user oriented document to a document to the programmers or database personnel. System design goes through two phases of development: Logical and Physical Design.

## 4.2 UML DIAGRAM

UML is a standard language for specifying, visualizing, constructing, and documenting the artifacts of software systems. UML was created by the Object Management Group (OMG) and UML 1.0 specification draft was proposed to the OMG in January 1997.

UML stands for **Unified Modeling Language**. UML is different from the other common programming languages such as C++, Java, COBOL, etc. UML is a pictorial language used to make software blueprints. UML can be described as a general purpose visual modeling language to visualize, specify, construct, and document software system. Although UML is generally used to model software systems, it is not limited within this boundary. It is also used to model non-software systems as well. For example, the process flow in a manufacturing unit, etc. UML is not a programming language but tools can be used to generate code in various languages using UML diagrams. UML has a direct relation with object oriented analysis and design. After some standardization, UML has become an OMG standard. All the elements, relationships are used to make a complete UML diagram and the diagram represents a system. The visual effect of the UML diagram is the most important part of the entire process. All the other elements are used to make it complete. UML includes the following nine diagrams.

- Class diagram
- Object diagram
- Use case diagram
- Sequence diagram
- Activity diagram
- Statechart diagram
- Deployment diagram
- Component diagram

### **4.2.1 USE CASE DIAGRAM**

A use case diagram is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. In this context, the term "system" refers to something being developed or operated, such as a mail-order product sales and service Web site. Use case diagrams are employed in UML (Unified Modeling Language), a standard notation for the modeling of real-world objects and systems.

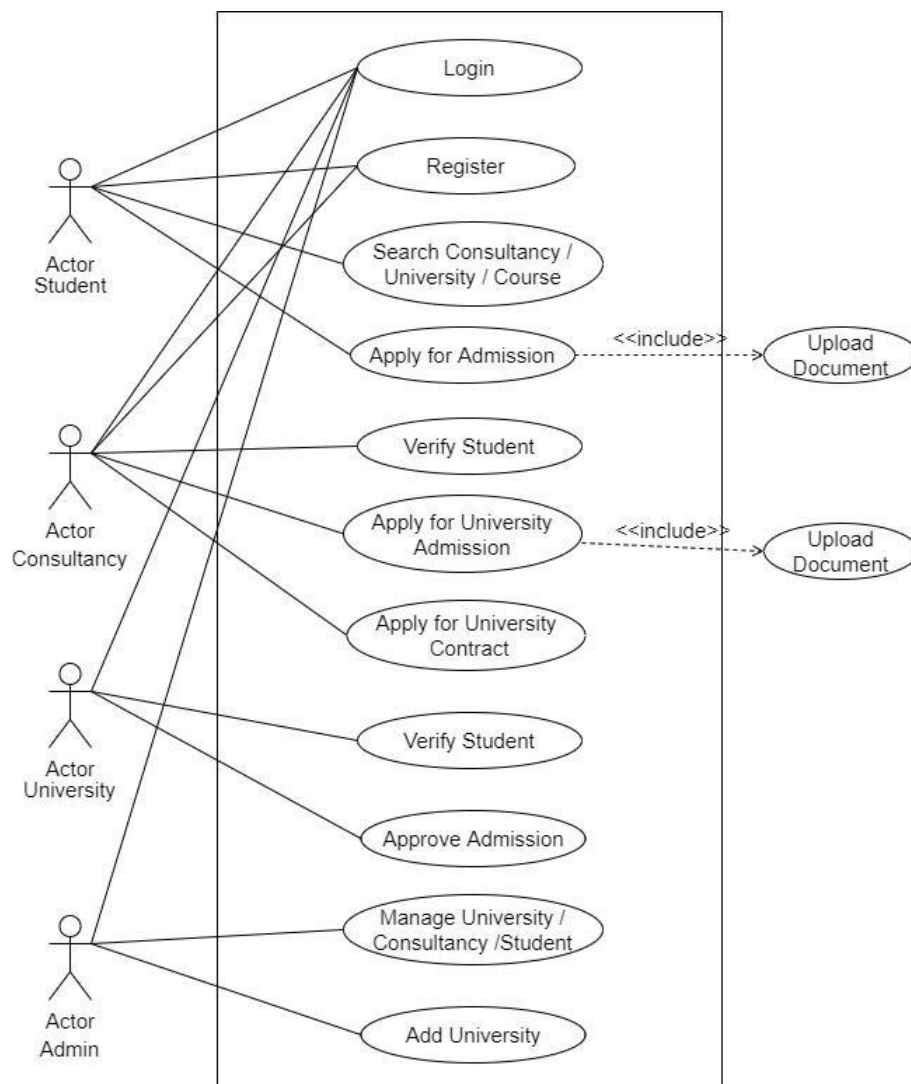
System objectives can include planning overall requirements, validating a hardware design, testing and debugging a software product under development, creating an online help reference, or performing a consumer-serviceoriented task. For example, use cases in a product sales environment would include item ordering, catalog updating, payment processing, and customer relations. A use case diagram contains four components.

- The boundary, which defines the system of interest in relation to the world around it.
- The actors, usually individuals involved with the system defined according to their roles.
- The use cases, which are the specific roles are played by the actors within and around the system.
- The relationships between and among the actors and the use cases.



Use case diagrams are drawn to capture the functional requirements of a system. After identifying the above items, we have to use the following guidelines to draw an efficient use case diagram

- The name of a use case is very important. The name should be chosen in such a way so that it can identify the functionalities performed.
- Give a suitable name for actors.
- Show relationships and dependencies clearly in the diagram.
- Do not try to include all types of relationships, as the main purpose of the diagram is to identify the requirements.
- Use notes whenever required to clarify some important points.

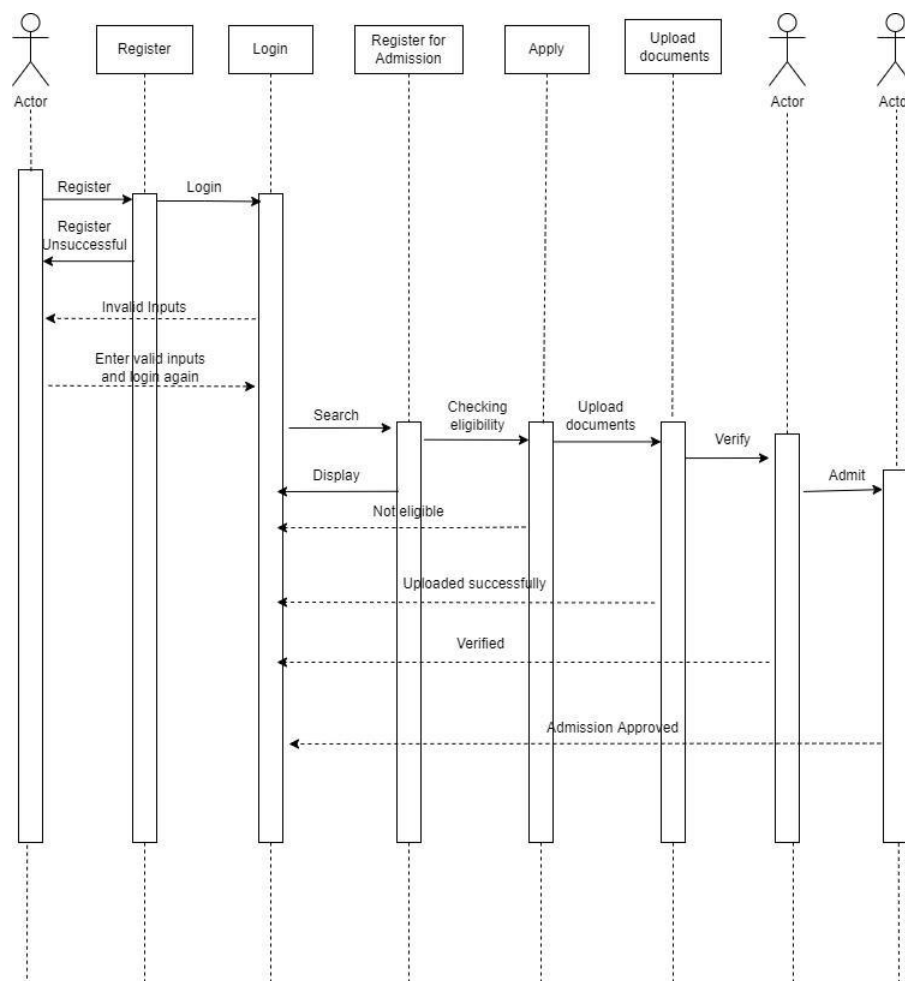


## 4.2.2 SEQUENCE DIAGRAM

A sequence diagram simply depicts interaction between objects in a sequential order i.e. the order in which these interactions take place. We can also use the terms event diagrams or event scenarios to refer to a sequence diagram. Sequence diagrams describe how and in what order the objects in a system function. These diagrams are widely used by businessmen and software developers to document and understand requirements for new and existing systems.

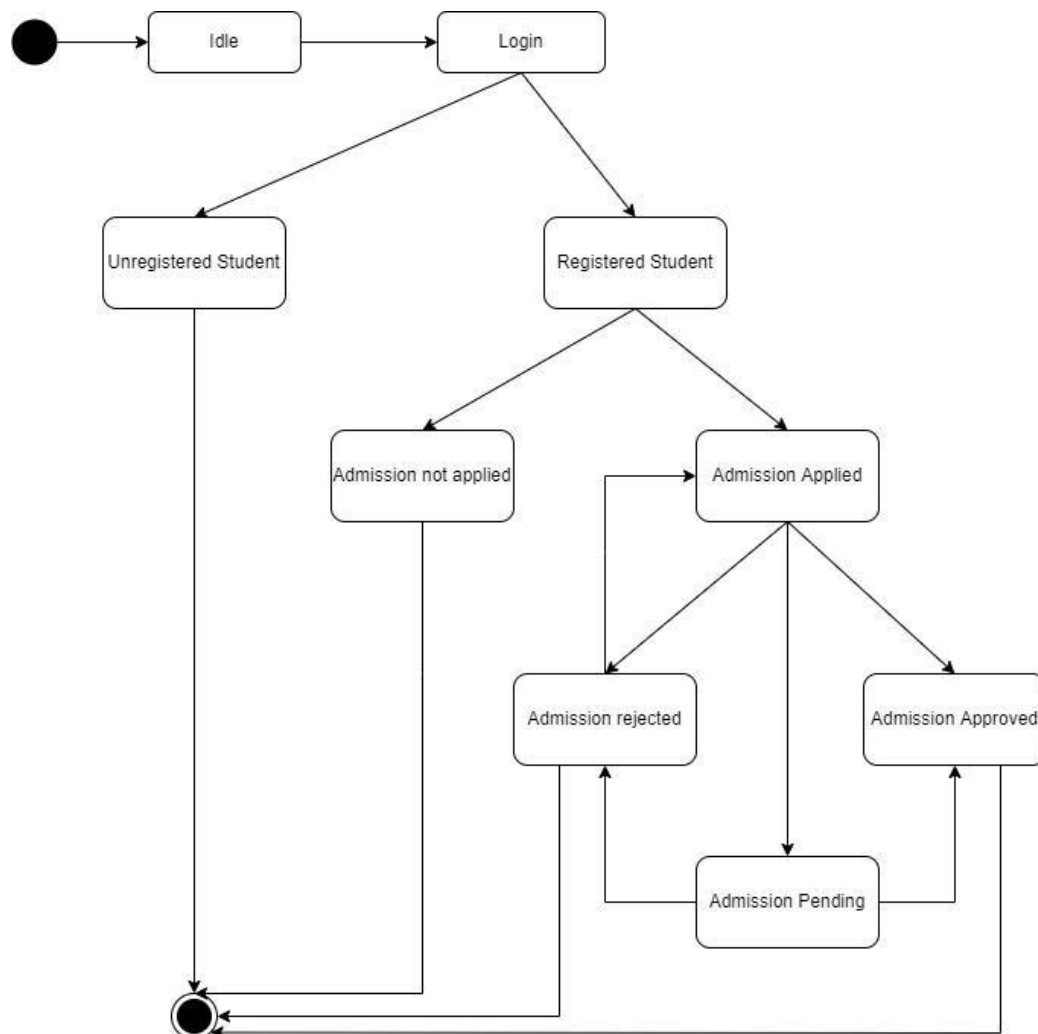
### Uses of sequence diagrams –

- Used to model and visualize the logic behind a sophisticated function, operation or procedure.
- They are also used to show details of UML use case diagrams.
- Used to understand the detailed functionality of current or future systems.
- Visualize how messages and tasks move between objects or components in a system.



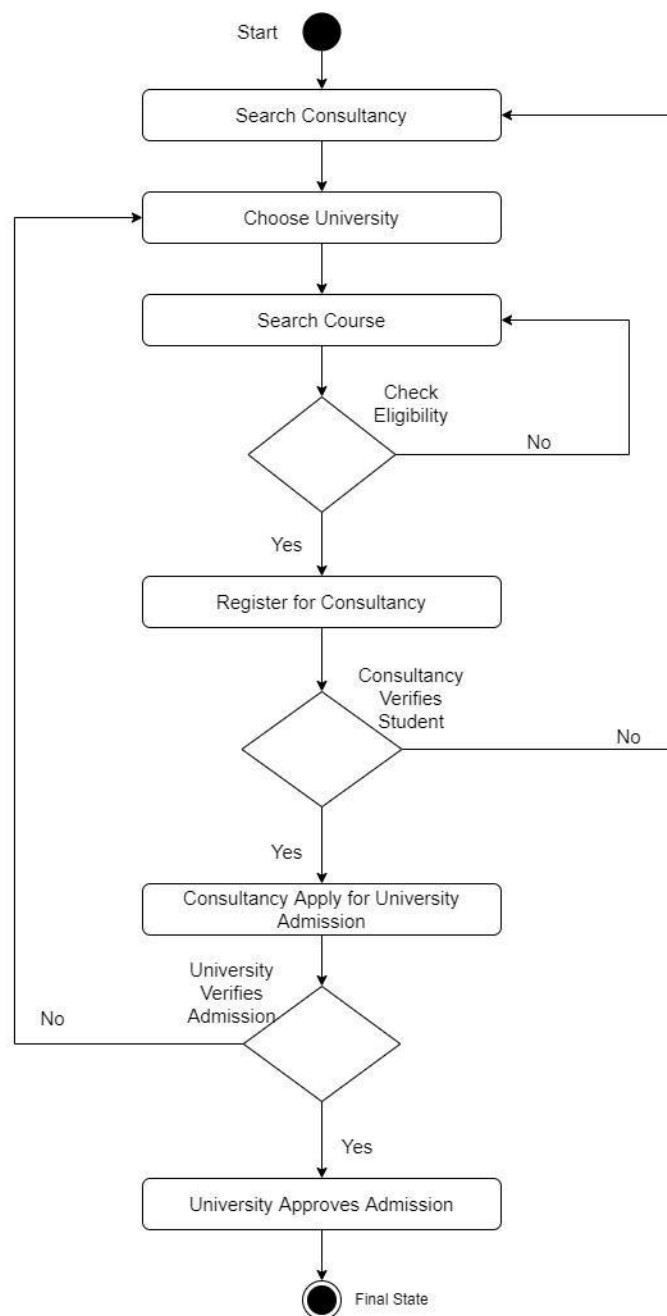
### 4.2.3 State Chart Diagram

State Diagram are used to capture the behavior of a software system. UML State machine diagrams can be used to model the behavior of a class, a subsystem, a package, or even an entire system. It is also called a State chart or State Transition diagram. State chart diagrams provide us an efficient way to model the interactions or communication that occur within the external entities and a system. These diagrams are used to model the event-based system. A state of an object is controlled with the help of an event. State chart diagrams are used to describe various states of an entity within the application system.



#### 4.2.4 Activity Diagram

Activity Diagrams describe how activities are coordinated to provide a service which can be at different levels of abstraction. Typically, an event needs to be achieved by some operations, particularly where the operation is intended to achieve a number of different things that require coordination, or how the events in a single use case relate to one another, in particular, use cases where activities may overlap and require coordination. It is also suitable for modeling how a collection of use cases coordinate to represent business workflows.

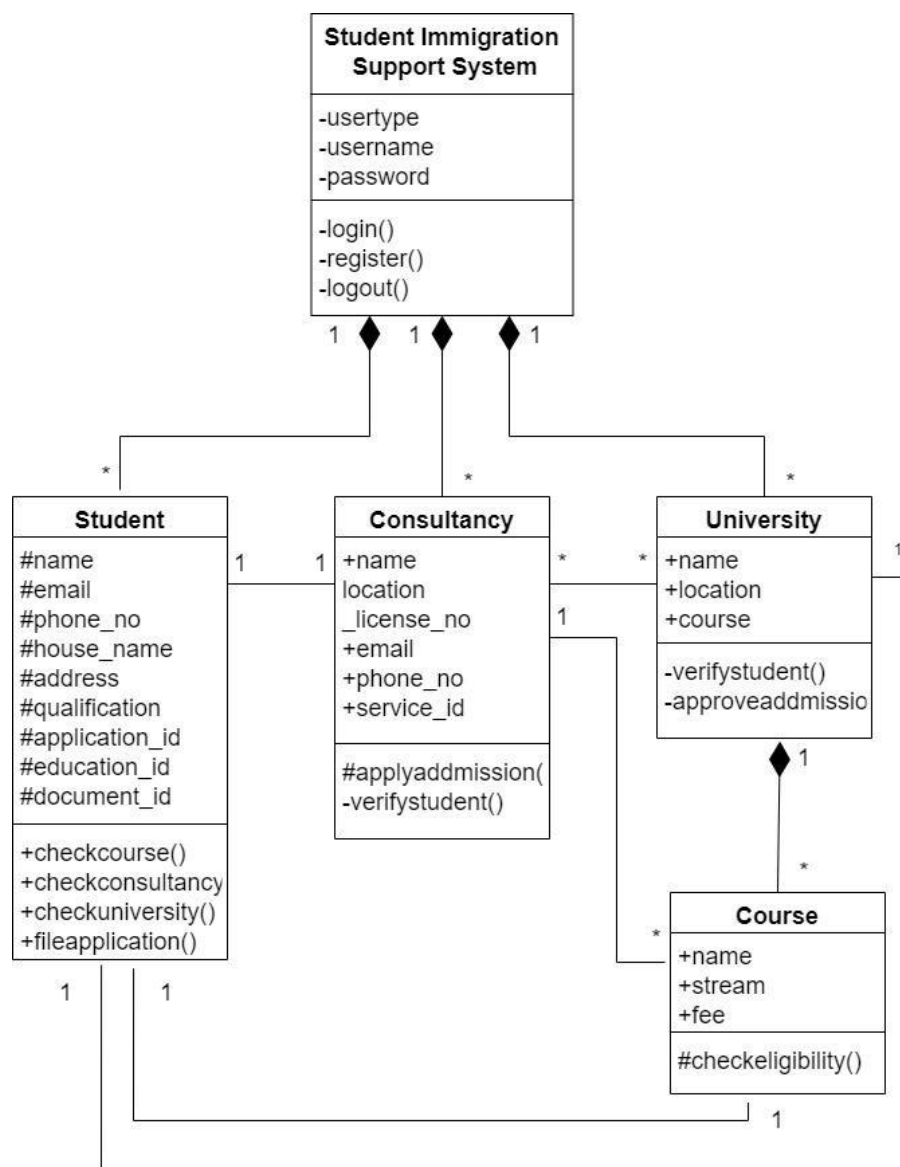


### 4.2.5 Class Diagram

Class diagram is a static diagram. It represents the static view of an application.

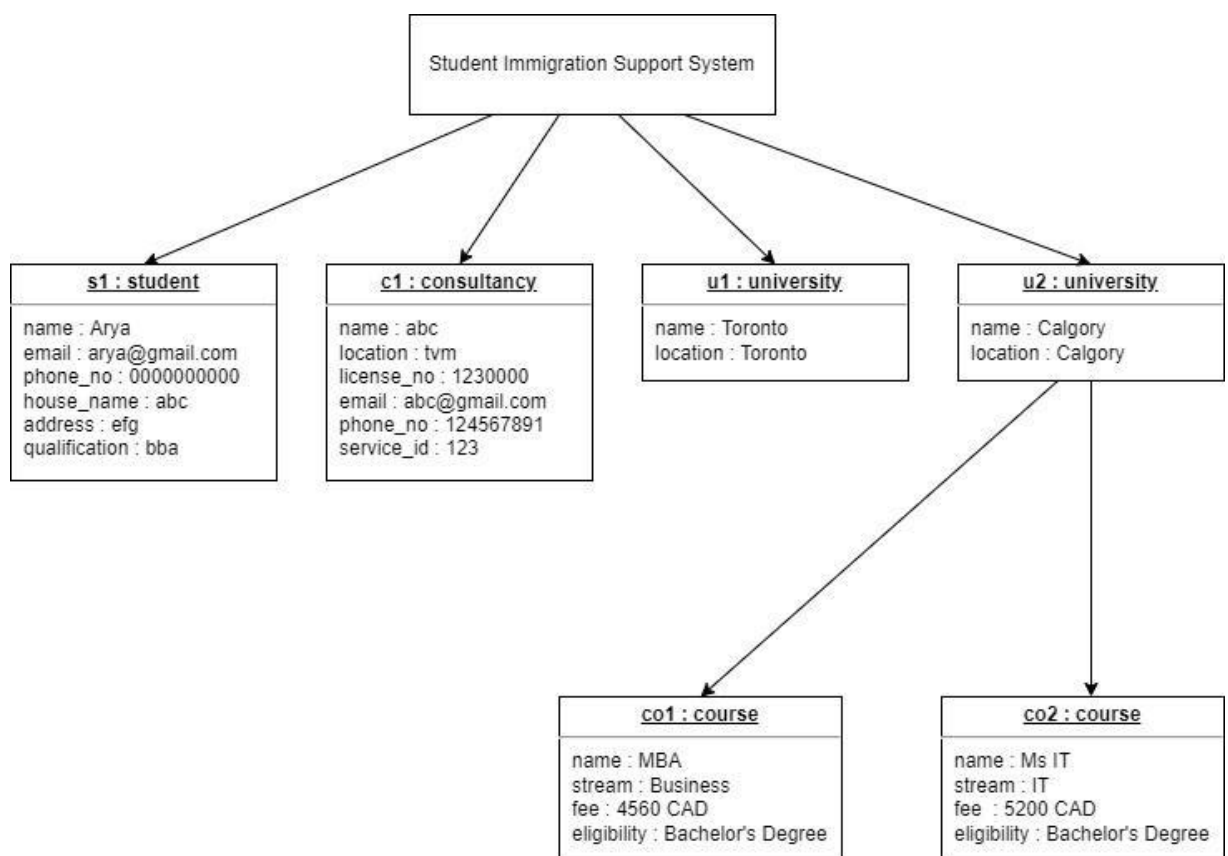
Class diagram is not only used for visualizing, describing, and documenting different aspects of a system but also for constructing executable code

of the software application. Class diagram describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages. Class diagram shows a collection of classes, interfaces, associations, collaborations, and constraints. It is also known as a structural diagram.



## 4.2.4 Object Diagram

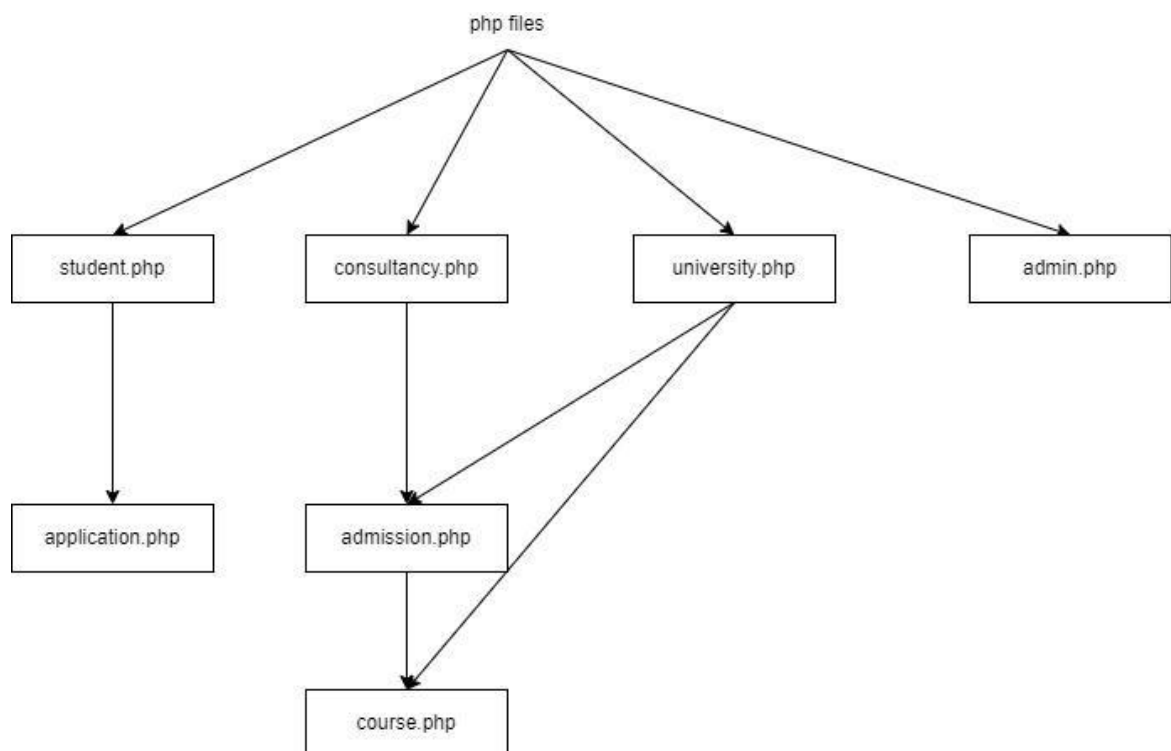
Object diagrams are derived from class diagrams so object diagrams are dependent upon class diagrams. Object diagrams represent an instance of a class diagram. The basic concepts are similar for class diagrams and object diagrams. Object diagrams also represent the static view of a system but this static view is a snapshot of the system at a particular moment. Object diagrams are used to render a set of objects and their relationships as an instance.



## 4.2.5 Component Diagram

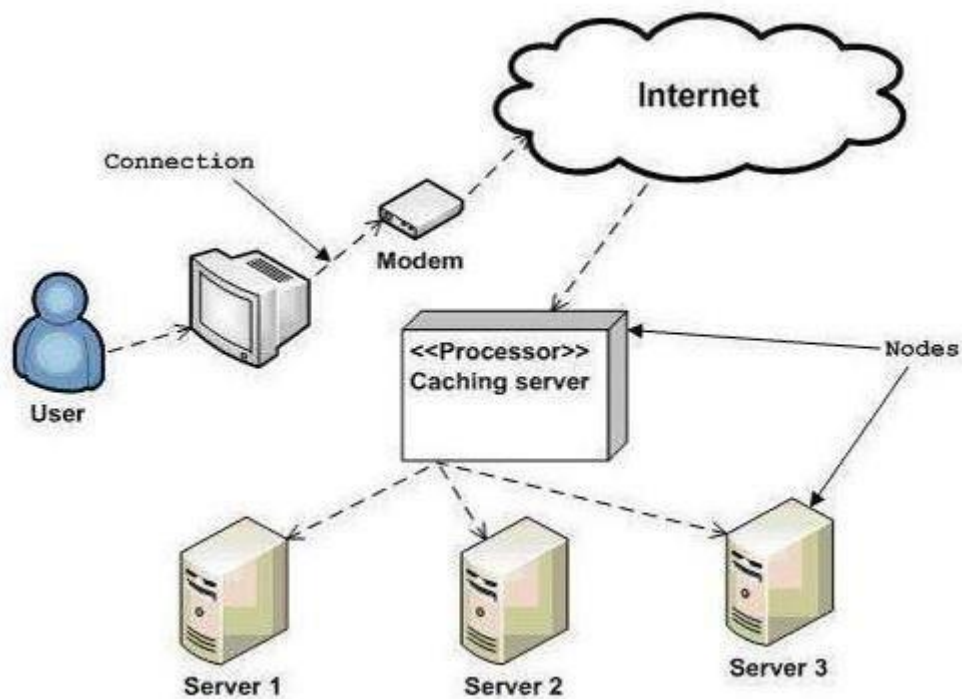
Component diagrams are different in terms of nature and behaviour.

Component diagrams are used to model the physical aspects of a system. Physical aspects are the elements such as executables, libraries, files, documents, etc. which reside in a node. Component diagrams are used to visualize the organization and relationships among components in a system. These diagrams are also used to make executable systems.



## 4.2.6 Deployment Diagram

Deployment diagrams are used to visualize the topology of the physical components of a system, where the software components are deployed. Deployment diagrams are used to describe the static deployment view of a system. Deployment diagrams consist of nodes and their relationships.





## 4.3 USER INTERFACE DESIGN

### 4.3.1-INPUT DESIGN

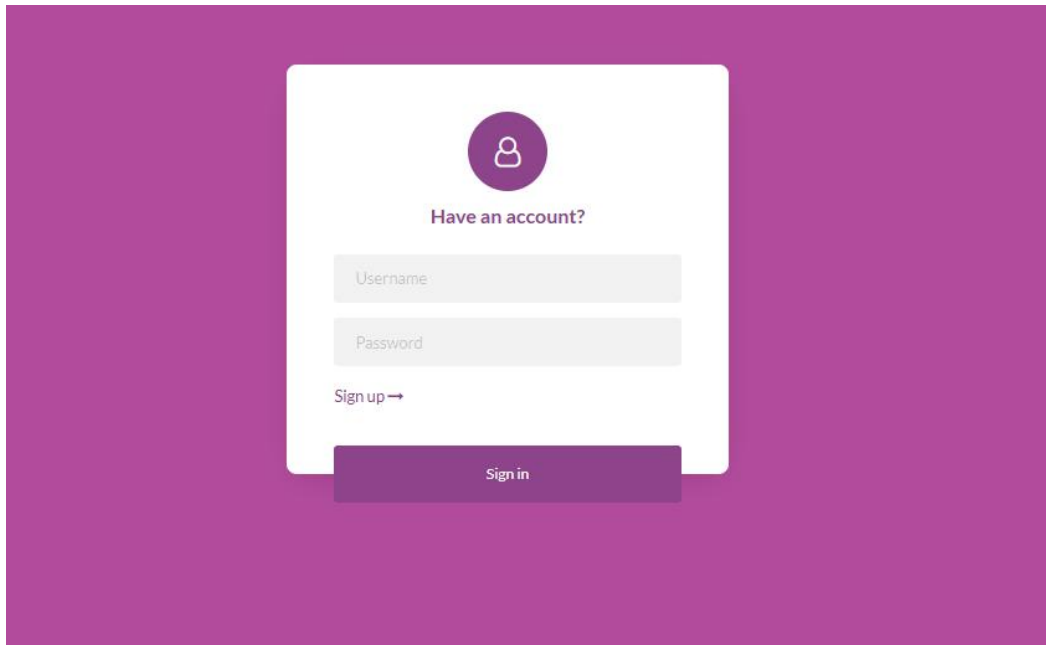
Form Name : User Login



The image shows a user login form with a light blue border. At the top, the word "LOGIN" is centered in a bold, black, sans-serif font. Below it, there are two input fields: "User Name:" followed by a text box, and "Password:" followed by a text box. Below the password field is a blue button with the text "SIGN IN" in white, bold, sans-serif font. Below the button is a link that says "Forgot Password?" in a smaller, italicized font. Below the link is a horizontal line, and below the line is the text "New User" in a smaller font. At the bottom is a blue button with the text "SIGN UP" in white, bold, sans-serif font.

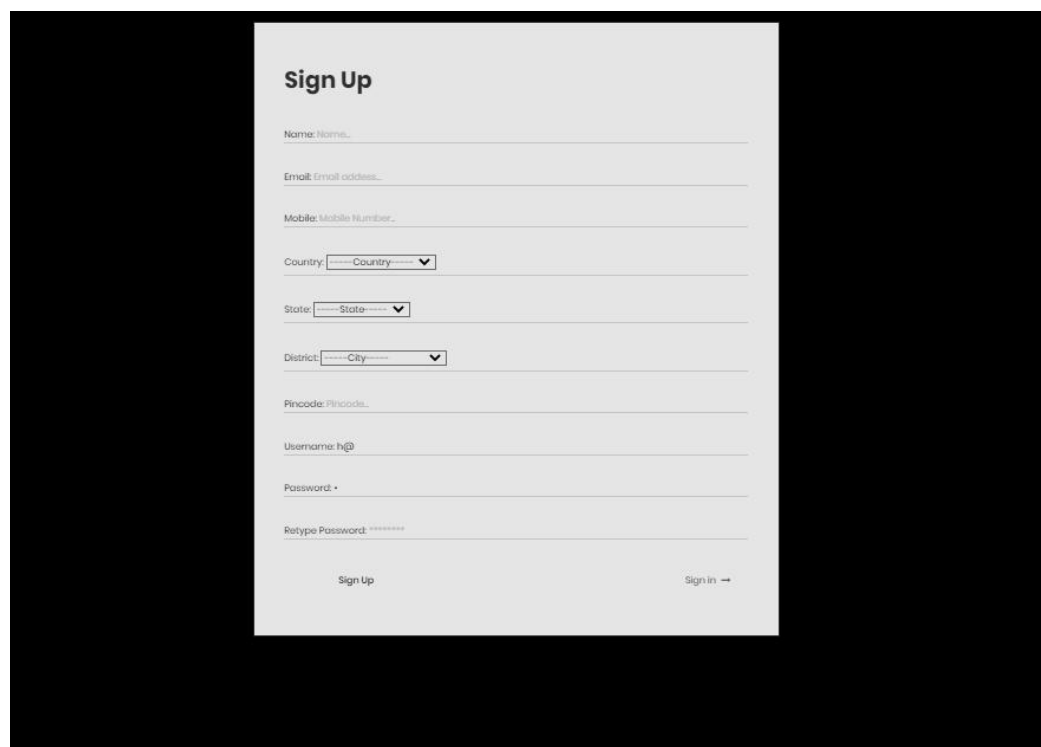
### 4.3.2 OUTPUT DESIGN

#### User Login



A user login form centered on a purple background. The form is white with rounded corners. At the top, there is a purple circle containing a white user icon. Below this, the text "Have an account?" is displayed. The form contains two input fields: "Username" and "Password". Below the "Password" field is a link "Sign up →". At the bottom of the form is a purple button labeled "Sign in".

#### Student Registration



A student registration form titled "Sign Up" on a light gray background. The form contains several input fields: "Name: Name...", "Email: Email address...", "Mobile: Mobile Number...", "Country: Country" (with a dropdown arrow), "State: State" (with a dropdown arrow), "District: City" (with a dropdown arrow), "Pincode: Pincode...", "Username: h@", "Password: \*", and "Retype Password: \*". At the bottom, there are two buttons: "Sign Up" and "Sign in →".

## 4.3 DATABASE DESIGN

A database is an organized mechanism that has the capability of storing information through which a user can retrieve stored information in an effective and efficient manner. The data is the purpose of any database and must be protected.

The database design is a two level process. In the first step, user requirements are gathered together and a database is designed which will meet these requirements as clearly as possible. This step is called Information Level Design and it is taken independent of any individual DBMS.

In the second step, this Information level design is transferred into a design for the specific DBMS that will be used to implement the system in question. This step is called Physical Level Design, concerned with the characteristics of the specific DBMS that will be used. A database design runs parallel with the system design. The organization of the data in the database is aimed to achieve the following two major objectives.

- Data Integrity
- Data independence

### 4.6.1 Relational Database Management System (RDBMS)

A relational model represents the database as a collection of relations. Each relation resembles a table of values or file of records. In formal relational model terminology, a row is called a tuple, a column header is called an attribute and the table is called a relation. A relational database consists of a collection of tables, each of which is assigned a unique name. A row in a table represents a set of related values.

#### Relations, Domains & Attributes

A table is a relation. The rows in a table are called tuples. A tuple is an ordered set of  $n$  elements. Columns are referred to as attributes. Relationships have been set between every table in the database. This ensures both Referential and Entity Relationship Integrity. A domain  $D$  is a set of atomic values. A common method of specifying a domain is to specify a data type from which the data values forming the domain are drawn. It is also useful to specify a name for the domain to help in interpreting its values.

Every value in a relation is atomic, that is not decomposable.

## Relationships

- Table relationships are established using Key. The two main keys of prime importance are Primary Key & Foreign Key. Entity Integrity and Referential Integrity Relationships can be established with these keys.
- Entity Integrity enforces that no Primary Key can have null values.
- Referential Integrity enforces that no Primary Key can have null values.
- Referential Integrity for each distinct Foreign Key value, there must exist a matching Primary Key value in the same domain. Other key are Super Key and Candidate Keys.

### 4.6.2 Normalization

Data are grouped together in the simplest way so that later changes can be made with minimum impact on data structures. Normalization is formal process of data structures in manners that eliminates redundancy and promotes integrity. 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. Normal form in data modelling use two concepts, keys and relationships. A key uniquely identifies a row in a table. There are two types of keys, primary key and foreign key. A primary key is an element or a combination of elements in a table whose purpose is to identify records from the same table. A foreign key is a column in a table that uniquely identifies record from a different table. All the tables have been normalized up to the third normal form.

As the name implies, it denotes putting things in the normal form. The application developer via normalization tries to achieve a sensible organization of data into proper tables and columns and where names can be easily correlated to the data by the user. Normalization eliminates repeating groups at data and thereby avoids data redundancy which proves to be a great burden on the computer resources. These include:

Normalize the data.

Choose proper names for the tables and columns.

Choose the proper name for the data.

### First Normal Form

The First Normal Form states that the domain of an attribute must include only atomic values and that the value of any attribute in a tuple must be a single value from the domain of that attribute. In other words 1NF disallows “relations within relations” or “relations as

attribute values within tuples”. The only attribute values permitted by 1NF are single atomic or indivisible values. The first step is to put the data into First Normal Form. This can be done by moving data into separate tables where the data is of similar type in each table. Each table is given a Primary Key or Foreign Key as per requirement of the project. In this we form new relations for each non-atomic attribute or nested relation. This eliminated repeating groups of data. A relation is said to be in first normal form if only if it satisfies the constraints that contain the primary key only.

### **Second Normal Form**

According to Second Normal Form, for relations where primary key contains multiple attributes, no non-key attribute should be functionally dependent on a part of the primary key. In this we decompose and setup a new relation for each partial key with its dependent attributes. Make sure to keep a relation with the original primary key and any attributes that are fully functionally dependent on it. This step helps in taking out data that is only dependent on a part of the key. A relation is said to be in second normal form if and only if it satisfies all the first normal form conditions for the primary key and every non-primary key attributes of the relation is fully dependent on its primary key alone.

### **Third Normal Form**

According to Third Normal Form, Relation should not have a non-key attribute functionally determined by another non-key attribute or by a set of non-key attributes. That is, there should be no transitive dependency on the primary key. In this we decompose and set up relation that includes the non-key attributes that functionally determines other non-key attributes. This step is taken to get rid of anything that does not depend entirely on the Primary Key. A relation is said to be in third normal form if only if it is in second normal form and more over the non key attributes of the relation should not be depend on other non-key attribute.

**TABLE DESIGN**

tb\_login

Field	Data type	Constrains	Description
Login_id	Integer	Primary key	Login id of user
username	Varchar(20)	Not null	Username of user
password	password	Not null	Password of user
User_type	Varchar(20)	Not null	Type of user

tb\_student

Field	Data type	Constrains	Description
Student_id	Integer	Primary key	Id of Student
First_name	Varchar(20)	Not null	First name of Student
Last_name	Varchar(20)	Not null	Last name of Student
Email	Varchar(20)	Not null	Email of Student
Phone_number	Varchar(20)	Not null	Phone number of Student
House_name	Varchar(20)	Not null	House name of student
City	Varchar(20)	Not null	City of Student
State	Varchar(20)	Not null	City of Student
Pincode	Varchar(20)	Not null	Pincode of Student
Qualification	Varchar(20)	Not null	Highest qualification of Student
Cunsultation_id	Integer	Foreign key	Id of Cunsultent

**tb\_university**

Field	Data type	Constrain	Description
University_id	Integer	Primary key	Id of University
University_name	Varchar(20)	Not null	Name of University
Course_id	Integer	Foreign key	Id of course
Location	Varchar(20)	Not null	Location of University

**tb\_course**

Field	Data type	Constrain	Description
Course_id	Integer	Primary key	Id of course
Course_name	Varchar(20)	Not null	Name of course
Course_stream	Varchar(20)	Not null	Name of stream
Course_fee	Varchar(20)	Not null	Fees of course
Eligibility	Varchar(20)	Not null	Eligibility of course

**tb\_studentapplication**

Field	Data type	Constrain	Description
Application_id	Integer	Primary key	Id for application
Student_id	Integer	Foreign key	Id of student
Passport_no	Varchar(20)	Not null	Passport number of Student
Adhar_no	Varchar(20)	Not null	Adhar number of student
Education_id	Integer	Foreign key	Education id of Student
Ielts_id	Integer	Foreign key	Ielts id of Student
Document_id	Integer	Foreign key	Document id of Student

**tb\_education**

Field	Data type	Constrain	Description
Education_id	integer	Primary key	Education id of Student
Student_id	Integer	Foreign key	Id of Student
Mark_10	Float	Not null	Marks in 10 <sup>th</sup>
Certificate_10	Blob	Not null	Certificate of 10 <sup>th</sup>
Mark_12	Float	Not null	Marks in 12 <sup>th</sup>
Stream_12	Varchar(20)	Not null	Stream of 12 <sup>th</sup>
Certificate_12	Blob	Not null	Certificate of 12 <sup>th</sup>
Mark_diploma	Float	Null	Marks in diploma
Stream_diploma	Varchar(20)	Null	Stream of diploma
Certificate_diploma	Blob	Null	Certificate of diploma
Mark_degree	Float	Not null	Marks in degree
Stream_degree	Varchar(20)	Not null	Stream of degree
Certificate_degree	Blob	Not null	Certificate of degree

**tb\_ielts**

Field	Data type	Constrain	Description
Ielts_id	Integer	Primary key	Ielts id of student
Speaking	Float	Not null	Marks in speaking
Listening	Float	Not null	Marks in listening
Writing	Float	Not null	Marks in writing
Reading	Float	Not null	Marks in reading
Overall	Float	Not null	Overall scores
Exam_date	Date	Not null	Date of exam



**tb\_documents**

Field	Data type	Constrain	Description
Document_id	Integer	Primary key	Document id of Students
Adhar	Blob	Not null	Adhar document of Student
Passport	Blob	Not null	Passport document of Student
Police_clearance	Blob	Not null	Police_clearance certificate
Medical_document	Blob	Not null	Medical report of Student
Self_declaration	Blob	Not null	Self declaration form of Student
Bank_passbook	Blob	Not null	Passbook document of Student
Photo	Blob	Not null	Passport size photo of Student

**tb\_consultancy**

Field	Data type	constrain	Description
Consultancy_id	Integer	Primary key	Id of consultancy
Consultancy_name	Varchar(20)	Not null	Name of consultancy
Location	Varchar(20)	Not null	Location of consultancy
License_no	Varchar(20)	Not null	Licence number of Consultancy
Email_id	Varchar(20)	Not null	Email id of Consultancy
Phone_no	Varchar(20)	Not null	Phone number of consultancy

**tb\_service**

Field	Data type	Constrain	Description
Service_id	integer	Primary key	Service id of Consultancy
Counselling_time	Time	Not null	Counselling time
Counselling_date	Date	Not null	Counselling date
Admission	Varchar(20)	Not null	University admission of Student
Service_id	Varchar(20)	Not null	Service id of consultancy

## **CHAPTER 5**

### **SYSTEM TESTING**

## 5.1 INTRODUCTION

Software Testing is the process of executing software in a controlled manner, in order to answer the question - Does the software behave as specified? Software testing is often used in association with the terms verification and validation. Validation is the checking or testing of items, includes software, for conformance and consistency with an associated specification. Software testing is just one kind of verification, which also uses techniques such as reviews, analysis, inspections, and walkthroughs. Validation is the process of checking that what has been specified is what the user actually wanted.

Other activities which are often associated with software testing are static analysis and dynamic analysis. Static analysis investigates the source code of software, looking for problems and gathering metrics without actually executing the code. Dynamic analysis looks at the behaviour of software while it is executing, to provide information such as execution traces, timing profiles, and test coverage information.

Testing is a set of activity that can be planned in advanced and conducted systematically. Testing begins at the module level and work towards the integration of entire computers based system. Nothing is complete without testing, as it vital success of the system testing objectives, there are several rules that can serve as testing objectives. They are: Testing is a process of executing a program with the intent of finding an error.

- A good test case is one that has high possibility of finding an undiscovered error.
- A successful test is one that uncovers an undiscovered error.

If a testing is conducted successfully according to the objectives as stated above, it would uncover errors in the software. Also testing demonstrate that the software function appear to be working according to the specification, that performance requirement appear to have been met.

There are three ways to test program.

- For correctness
- For implementation efficiency
- For computational complexity

Test for correctness are supposed to verify that a program does exactly what it was designed to do. This is much more difficult than it may at first appear, especially for large programs.

## 5.2 TEST PLAN

A test plan implies a series of desired course of action to be followed in accomplishing various testing methods. The Test Plan acts as a blue print for the action that is to be followed. The software engineers create a computer program, its documentation and related data structures. The software developers is always responsible for testing the individual units of the programs, ensuring that each performs the function for which it was designed. There is an independent test group (ITG) which is to remove the inherent problems associated with letting the builder to test the thing that has been built. The specific objectives of testing should be stated in measurable terms. So that the mean time to failure, the cost to find and fix the defects, remaining defect density or frequency of occurrence and test work-hours per regression test all should be stated within the test plan. The levels of testing include:

- ✚ Unit testing
- ✚ Integration Testing
- ✚ Data validation Testing ✚ Output Testing

### 5.2.1 Unit Testing

Unit testing focuses verification effort on the smallest unit of software design – the software component or module. Using the component level design description as a guide, important control paths are tested to uncover errors within the boundary of the module. The relative complexity of tests and uncovered scope established for unit testing. The unit testing is white-box oriented, and step can be conducted in parallel for multiple components. The modular interface is tested to ensure that information properly flows into and out of the program unit under test. The local data structure is examined to ensure that data stored temporarily maintains its integrity during all steps in an algorithm's execution. Boundary conditions are tested to ensure that all statements in a module have been executed at least once. Finally, all error handling paths are tested.

Tests of data flow across a module interface are required before any other test is initiated. If data do not enter and exit properly, all other tests are moot. Selective testing of execution paths is an essential task during the unit test. Good design dictates that error conditions be

anticipated and error handling paths set up to reroute or cleanly terminate processing when an error does occur. Boundary testing is the last task of unit testing step. Software often fails at its boundaries.

Unit testing was done in Sell-Soft System by treating each module as separate entity and testing each one of them with a wide spectrum of test inputs. Some flaws in the internal logic of the modules were found and were rectified. After coding each module is tested and run individually. All unnecessary code were removed and ensured that all modules are working, and gives the expected result.

### **5.2.2 Integration Testing**

Integration testing is systematic technique for constructing the program structure while at the same time conducting tests to uncover errors associated with interfacing. The objective is to take unit tested components and build a program structure that has been dictated by design. The entire program is tested as whole. Correction is difficult because isolation of causes is complicated by vast expanse of entire program. Once these errors are corrected, new ones appear and the process continues in a seemingly endless loop. After performing unit testing in the System all the modules were integrated to test for any inconsistencies in the interfaces. Moreover differences in program structures were removed and a unique program structure was evolved.

### **5.2.3 Validation Testing or System Testing**

This is the final step in testing. In this the entire system was tested as a whole with all forms, code, modules and class modules. This form of testing is popularly known as Black Box testing or System tests.

Black Box testing method focuses on the functional requirements of the software. That is, Black Box testing enables the software engineer to derive sets of input conditions that will fully exercise all functional requirements for a program.

Black Box testing attempts to find errors in the following categories; incorrect or missing functions, interface errors, errors in data structures or external data access, performance errors and initialization errors and termination errors.

### **5.2.4 Output Testing or User Acceptance Testing**

The system considered is tested for user acceptance; here it should satisfy the firm's need. The software should keep in touch with perspective system; user at the time of developing and making changes whenever required. This done with respect to the following points:

- Input Screen Designs,
- Output Screen Designs,

The above testing is done taking various kinds of test data. Preparation of test data plays a vital role in the system testing. After preparing the test data, the system under study is tested using that test data. While testing the system by which test data errors are againuncovered and corrected by using above testing steps and corrections are also noted for future use.

## **CHAPTER 6**

### **IMPLEMENTATION**



## 6.1 INTRODUCTION

Implementation is the stage of the project where the theoretical design is turned into a working system. It can be considered to be the most crucial stage in achieving a successful new system gaining the users confidence that the new system will work and will be effective and accurate. It is primarily concerned with user training and documentation. Conversion usually takes place about the same time the user is being trained or later. Implementation simply means convening a new system design into operation, which is the process of converting a new revised system design into an operational one.

At this stage the main work load, the greatest upheaval and the major impact on the existing system shifts to the user department. If the implementation is not carefully planned or controlled, it can create chaos and confusion.

Implementation includes all those activities that take place to convert from the existing system to the new system. The new system may be a totally new, replacing an existing manual or automated system or it may be a modification to an existing system. Proper implementation is essential to provide a reliable system to meet organization requirements. The process of putting the developed system in actual use is called system implementation. This includes all those activities that take place to convert from the old system to the new system. The system can be implemented only after through testing is done and if it is found to be working according to the specifications. The system personnel check the feasibility of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required to implement the three main aspects: education and training, system testing and changeover. The implementation state involves the following tasks:

- Careful planning.
- Investigation of system and constraints.
- Design of methods to achieve the changeover.

## 6.2 IMPLEMENTATION PROCEDURES

Implementation of software refers to the final installation of the package in its real environment, to the satisfaction of the intended uses and the operation of the system. In many organizations someone who will not be operating it, will commission the software

development project. In the initial stage people doubt about the software but we have to ensure that the resistance does not build up, as one has to make sure that:

- The active user must be aware of the benefits of using the new system.
- Their confidence in the software is built up.
- Proper guidance is imparted to the user so that he is comfortable in using the application.

Before going ahead and viewing the system, the user must know that for viewing the result, the server program should be running in the server. If the server object is not up running on the server, the actual process won't take place.

### **6.2.1 User Training**

User training is designed to prepare the user for testing and converting the system. To achieve the objective and benefits expected from computer based system, it is essential for the people who will be involved to be confident of their role in the new system. As system becomes more complex, the need for training is more important. By user training the user comes to know how to enter data, respond to error messages, interrogate the database and call up routine that will produce reports and perform other necessary functions.

### **6.2.2 Training on the Application Software**

After providing the necessary basic training on computer awareness the user will have to be trained on the new application software. This will give the underlying philosophy of the use of the new system such as the screen flow, screen design type of help on the screen, type of errors while entering the data, the corresponding validation check at each entry and the ways to correct the date entered. It should then cover information needed by the specific user/ group to use the system or part of the system while imparting the training of the program on the application. This training may be different across different user groups and across different levels of hierarchy

### **6.2.3 System Maintenance**

Maintenance is the enigma of system development. The maintenance phase of the software cycle is the time in which a software product performs useful work. After a system is successfully implemented, it should be maintained in a proper manner. System maintenance is an important aspect in the software development life cycle. The need for system maintenance is for it to make adaptable to the changes in the system environment. Software maintenance is of course, far more than "Finding Mistakes".

## **CHAPTER 7**

### **CONCLUSION AND FUTURE SCOPE**

## **7.1 CONCLUSION**

This project is a web application which developed to support the students who seeks education in Canada. Now student can apply for canadian Universities. Admin will verify their applications and approve. Admin can also manage Universities, Consultancies and courses. It is build as a secure system with user friendly interface. Students have to register into before login. Admin can be logged in with their login credentials.

## **7.2 FUTURE SCOPE**

- Separate module can be added for consultancy.
- Consultancy can verify and proceed student admission.
- Student can apply for their visa
- Immigration office can proceed student visa
- University can verify and approve Student Application.
- Student can directly interact with Universities.

## **CHAPTER 8**

## **BIBLIOGRAPHY**

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**REFERENCES:**

- <https://www.tutorialspoint.com/mysql/>
- <https://www.JSP.net/>
- <https://www.xampp.com/en/>
- <https://www.tutorialspoint.com/java/>
- Database programming with JDBC and Java by O.Reily
- <https://www.javatpoint.com/javatutorial/>

## **CHAPTER 9**

### **APPENDIX**

## 9.1 Sample Code

### Student\_home.php

```

<section id="home" class="w3l-banner py-5">
    <div class="banner-content">
        <div class="container py-4">
            <div class="row align-items-center pt-sm-5 pt-4">
                <div class="col-md-6">
                    <h3 class="mb-lg-4 mb-3">Your Deserve The<span
class="d-block">Best Education</span>
                    </h3>
                    <p class="banner-sub">Active Learning, Safe
Environment</p>
                    <div class="d-flex align-items-center buttons-banner">
                        <a href="contact.html" class="btn btn-style mt-lg-5
mt-4">Admission Now</a>
                    </div>
                </div>
                <div class="col-md-6 right-banner-2 text-end position-
relative mt-md-0 mt-5">
                    <div class="sub-banner-image mx-auto">
                        
                    </div>
                    <div class="banner-style-1 position-absolute">
                        <div class="banner-style-2 position-relative">
                            <h4>CANDREAM</h4>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>
<!-- //banner section -->

<!-- home 4grids block -->
<section class="services-w3l-block py-5" id="features">

```



```

<div class="container py-md-5 py-4">
  <div class="title-main text-center mx-auto mb-md-5 mb-4"
style="max-width:500px;">
    <p class="text-uppercase">Best Features</p>
    <h3 class="title-style">Achieve Your Goals With Edu
School</h3>
  </div>
  <div class="row">
    <div class="col-md-6 col-lg-3 d-flex align-items-stretch">
      <div class="icon-box icon-box-clr-1">
        <div class="icon"><i class="fas fa-user-
friends"></i></div>
        <h4 class="title"><a href="#about">Expert
Teachers</a></h4>
        <p>Ras efficitur metusga via suscipit consect eturserse
adi unde omnis.</p>
      </div>
    </div>
    <div class="col-md-6 col-lg-3 d-flex align-items-stretch mt-
md-0 mt-4">
      <div class="icon-box icon-box-clr-2">
        <div class="icon"><i class="fas fa-book-
reader"></i></div>
        <h4 class="title"><a href="#about">Quality
Education</a></h4>
        <p>Ras efficitur metusga via suscipit consect eturserse
adi unde omnis.</p>
      </div>
    </div>
    <div class="col-md-6 col-lg-3 d-flex align-items-stretch mt-
lg-0 mt-4">
      <div class="icon-box icon-box-clr-3">
        <div class="icon"><i class="fas fa-user-
graduate"></i></div>
        <h4 class="title"><a href="#about">Life Time
Support</a></h4>
        <p>Ras efficitur metusga via suscipit consect eturserse
adi unde omnis.</p>
      </div>
    </div>
    <div class="col-md-6 col-lg-3 d-flex align-items-stretch mt-
lg-0 mt-4">
      <div class="icon-box icon-box-clr-4">

```

```

        <div class="icon"><i class="fas fa-
university"></i></div>
        <h4 class="title"><a href="#about">Best
Scholarships</a></h4>
        <p>Ras efficitur metusga via suscipit consectetur
adi unde omnis.</p>
    </div>
</div>
</div>
</div>
</section>
<!-- home 4 grids block -->

<!-- home image with content block -->
<section class="w3l-servicesblock pt-lg-5 pt-4 pb-5 mb-lg-5"
id="about">
    <div class="container pb-md-5 pb-4">
        <div class="row pb-xl-5 align-items-center">
            <div class="col-lg-6 position-relative home-block-3-left pb-
lg-0 pb-5">
                <div class="position-relative">
                    
                </div>
                <div class="imginfo__box">
                    <h6 class="imginfo__title">Get a Appointment
Today!</h6>
                    <p>Nemo enim ipsam voluptatem quia voluptas<br> sit
aspernatur aut odit aut fugit. </p>
                    <a href="tel:http://1(800)7654321"><i class="fas fa-
phone-alt"></i> 1-800-654-3210</a>
                </div>
            </div>
            <div class="col-xl-5 col-lg-6 offset-xl-1 mt-lg-0 mt-5 pt-lg-0
pt-5">
                <h3 class="title-style">We Are The Best Choice For Your
Child</h3>
                <p class="mt-4">Lorem ipsum viverra feugiat. Pellentesque libero ut justo,
                    ultrices in ligula. Semper at tempus fddfel. Lorem ipsum
                    dolor sit amet consectetur adipiscing
                    elit.</p>

```

```

        <ul class="mt-4 list-style-lis pt-lg-1">
            <li><i class="fas fa-check-circle"></i>Special
Education</li>
            <li><i class="fas fa-check-circle"></i>Access more
then 100K online courses</li>
            <li><i class="fas fa-check-circle"></i>Traditional

```

### Student\_apply\_for\_admission.php

```

<section id="home" class="w3l-banner py-5">
    <div class="banner-content">
        <div class="container py-4">
            <div class="row align-items-center pt-sm-5 pt-4">
                <center>
                    <h1>APPLY FOR ADMISSION</h1>
                    <?php echo form_open_multipart('Welcome/applyAdmission') ?>
                    <table class="table">

                        <tr>
                            <th>Consultancy</th>
                            <td>
                                <select name="consultancy">
                                    <?php foreach($consultancy->result() as $consult)
                                    {
                                        ?>
                                        <option value="<?php echo $consult-
>cunsultancy_id;?>"><?php echo $consult->cunsultancy_name;?></option>
                                        <?php
                                        }
                                        ?>
                                    </select>
                                </td>
                            </tr>
                            <tr>
                                <th>University</th>
                                <td>
                                    <select name="university">
                                        <?php foreach($university->result() as $uni)
                                        {

```

```

        ?>
        <option value="<?php echo $uni-
>university_id;?>"><?php echo $uni->university_name;?></option>
        <?php
        }
        ?>
    </select>
</td>
</tr>
<tr>
    <th>Course</th>
    <td>
        <select name="course">
            <?php foreach($course->result() as $cour)
            {
                ?>
                <option value="<?php echo $cour-
>course_id;?>"><?php echo $cour->course_name;?></option>
                <?php
                }
                ?>
            </select>
        </td>
    </tr>
<tr>
    <th>Passport</th>
    <td><input type="file" name="passport"
id="passport"></td>
</tr>
<tr>
    <th>Aadhar</th>
    <td><input type="file" name="adhar" id="adhar"></td>
</tr>
<tr>
    <th>SSLC</th>
    <td><input type="file" name="sslc" id="sslc"></td>
</tr>
<tr>
    <th>HSC</th>
    <td><input type="file" name="hsc" id="hsc"></td>
</tr>
<tr>
    <th>Diploma</th>

```

```
<td><input type="file" name="diploma" id="diploma"></td>
</tr>
<tr>
<th>Degree</th>
<td><input type="file" name="degree" id="degree"></td>
</tr>
<tr>
<th>IETS</th>
<td><input type="file" name="ielts" id="ielts"></td>
</tr>
<tr>
<th>PAN Card</th>
<td><input type="file" name="pan" id="pan"></td>
</tr>
<tr>
<th>Bank Passbook </th>
<td><input type="file" name="passbook"
id="passbook"></td>
</tr>
<tr>
<th>Police Clearance </th>
<td><input type="file" name="clearance"
id="clearance"></td>
</tr>
<tr>
<th>Self Declaration</th>
<td><input type="file" name="selfdeclaration"
id="selfdeclaration"></td>
</tr>
<tr>
<th>Medical Document </th>
<td><input type="file" name="medicaldocument"
id="medicaldocument"></td>
</tr>
<tr>
<th>Photo </th>
<td><input type="file" name="photo" id="photo"></td>
</tr>
<tr>
<td><button type="submit"
class="registerbtn">Register</button></td>
</tr>
</table>
```

```
</form>
</center>
```

```
    </div>
  </div>
</div>
</section>
```

## Welcome.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Welcome extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        $this->load->helper('form');
        $this->load->helper(array('form', 'url'));
        $this->load->library('form_validation');
        $this->load->helper("file");
        $this->load->model("OnlineModel");

    }

    public function index()
    {
        $this->load->view('index');
    }
}
```

```

        public function login(){
            $this->load->view('login');
        }
        public function about(){
            $this->load->view('about.html');
        }
        public function signup(){
            $this->load->view('student/signup');
        }
        public function service(){
            $this->load->view('service.html');
        }
        public function contact(){
            $this->load->view('contact.html');
        }
        public function addSignup(){

            $this->form_validation-
>set_rules('first_name','Name','trim|required');
            $data['first_name']=$this->input->get_post('name');
            $data['email']=$this->input->get_post('email');
            $data['mobile']=$this->input->get_post('mobno');
            $data['state']=$this->input->get_post('state');
            $data['district']=$this->input->get_post('district');
            $data['pincode']=$this->input->get_post('pincode');
            $data['username']=$this->input->get_post('username');
            $data['password']=$this->input->get_post('password');
            $data['retypepass']=$this->input->get_post('repassword');
            $data['status']='1';

            $existance = $this->OnlineModel-
>checkEmailExistance($data);
            $existance1 = $this->OnlineModel-
>checkPhoneExistance($data);
            if($existance==true && $existance1==true){
                $res=$this->OnlineModel->addSignup($data);
                $res1=$this->OnlineModel->addLogin($data);

                ?> <script type="text/javascript">
                    alert('Signup succesfull');
                </script> <?php

            $this->login();

```

```
        }else{
            ?> <script type="text/javascript">
                alert('Email or phone already existing');
            </script> <?php
                $this->login();
            }
        }

    }
    public function studentHome() {
        if( $this->session->userdata('username')){

            $this->load->view('student/student_header');
            $this->load->view('student/student_home');
            $this->load->view('student/student_footer');
        }else{
            $this->index();
        }
    }

    public function studentLogin()
    {
        $data['username']=$this->input->get_post('username');
        $data['password']=$this->input->get_post('pass');
        $data['status']='1';

        $res=$this->OnlineModel->checkLogin($data);
        log_message('error',$res);
        if($res==true){
            $username=$data['username'];
            $this->session->set_userdata('username',
$username);

            ?> <script type="text/javascript">
                alert('Login succesfull');
            </script> <?php
                $this->email($data);
                $this->studentHome();
        }else{
            ?> <script type="text/javascript">
                alert('Incorrect username or password');
            </script> <?php
                $this->login();
        }
    }
}
```



```

    }
    public function adminLogin() {
        $data['username']=$this->input->get_post('username');
        $data['password']=$this->input->get_post('password');
        $data['status']='1';

        $res1=$this->OnlineModel->checkAdminLogin($data);

        ?> <script type="text/javascript">
            alert('Admin login succesfull');
        </script> <?php
    }
    public function checkConsultancy() {
        $data['consultancy']=$this->OnlineModel-
>getConsultancy();
        $this->load->view('student/student_header');
        $this->load-
>view('student/student_check_consultancy',$data);
        $this->load->view('student/student_footer');
    }
    public function checkEligibility() {
        $data['course']=$this->OnlineModel->getCourse();
        $this->load->view('student/student_header');
        $this->load-
>view('student/student_check_eligibility',$data);
        $this->load->view('student/student_footer');
    }
    public function applyForAdmission() {
        $data['consultancy']=$this->OnlineModel-
>getConsultancy();
        $data['university']=$this->OnlineModel->getUniversity();
        $data['course']=$this->OnlineModel->getCourse();
        $this->load->view('student/student_header');
        $this->load-
>view('student/student_apply_for_admission',$data);
        $this->load->view('student/student_footer');
    }
    public function applyAdmission() {

        $data=array();

```

```
$data['student_id']=$this->input->get_post('student');
$data['consultancy_id']=$this->input-
>get_post('consultancy');
$data['university_id']=$this->input->get_post('university');
$data['course_id']=$this->input->get_post('course');
log_message('error',$data['course_id']);

$data12=array();
$this->load->library('upload');
$config = array();

$config['upload_path'] = realpath(APPPATH . '../images');
log_message('error',$config['upload_path']);
$config['allowed_types'] = 'gif|jpg|png|jpeg';
$config['max_size']     = '200000';
$config['min_width']    = '14';
$config['min_height']   = '7';
$this->upload->initialize($config);
$this->upload->do_upload('passport');
$data['passport']= $this->upload->data('file_name');
$this->upload->do_upload('adhar');
$data['adhar']=$this->upload->data('file_name');
$this->upload->do_upload('sslc');
$data['sslc']=$this->upload->data('file_name');
$this->upload->do_upload('hsc');
$data['hsc']=$this->upload->data('file_name');
$this->upload->do_upload('diploma');
$data['diploma']=$this->upload->data('file_name');
$this->upload->do_upload('degree');
$data['degree']=$this->upload->data('file_name');
$this->upload->do_upload('ielts');
$data['ielts']=$this->upload->data('file_name');
$this->upload->do_upload('pan');
$data['pan']=$this->upload->data('file_name');
$this->upload->do_upload('bank_passbook');
$data['bank_passbook']=$this->upload->data('file_name');
$this->upload->do_upload('police_clearance');
$data['police_clearance']=$this->upload-
>data('file_name');
$this->upload->do_upload('selfdeclaration');
$data['self_declaration']=$this->upload->data('file_name');
$this->upload->do_upload('medical_document');
```

```
$data['medical_document']=$this->upload-  
>data('file_name');  
$this->upload->do_upload('photo');  
$data['photo']=$this->upload->data('file_name');  
$data['status']='pending';  
  
$res = $this->OnlineModel->applyAdmission($data);  
if($res==1){  
    ?> <script type="text/javascript">  
        alert('Applied');  
    </script> <?php
```

```
        $this->applyForAdmission();
    }

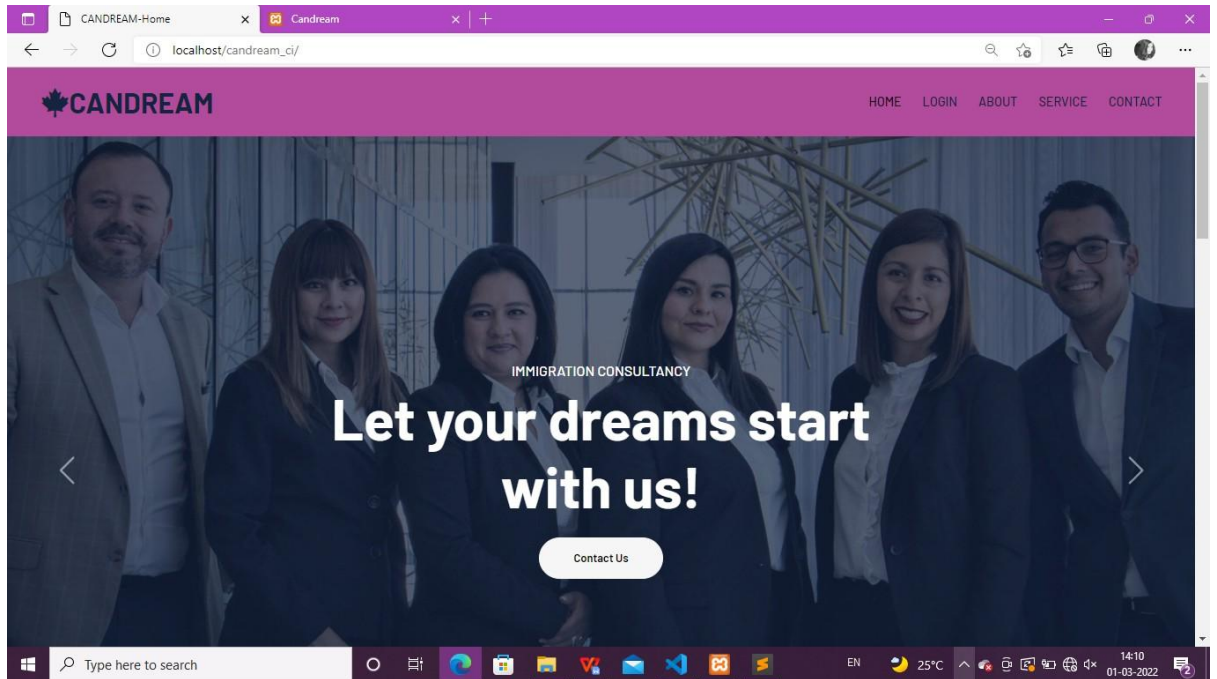
    }
    public function email($data){

        $this->load->view('email/email',$data);
    }
    public function logout()
    {
        $this->session->unset_userdata('username');
    $this->index();
    }
}
```

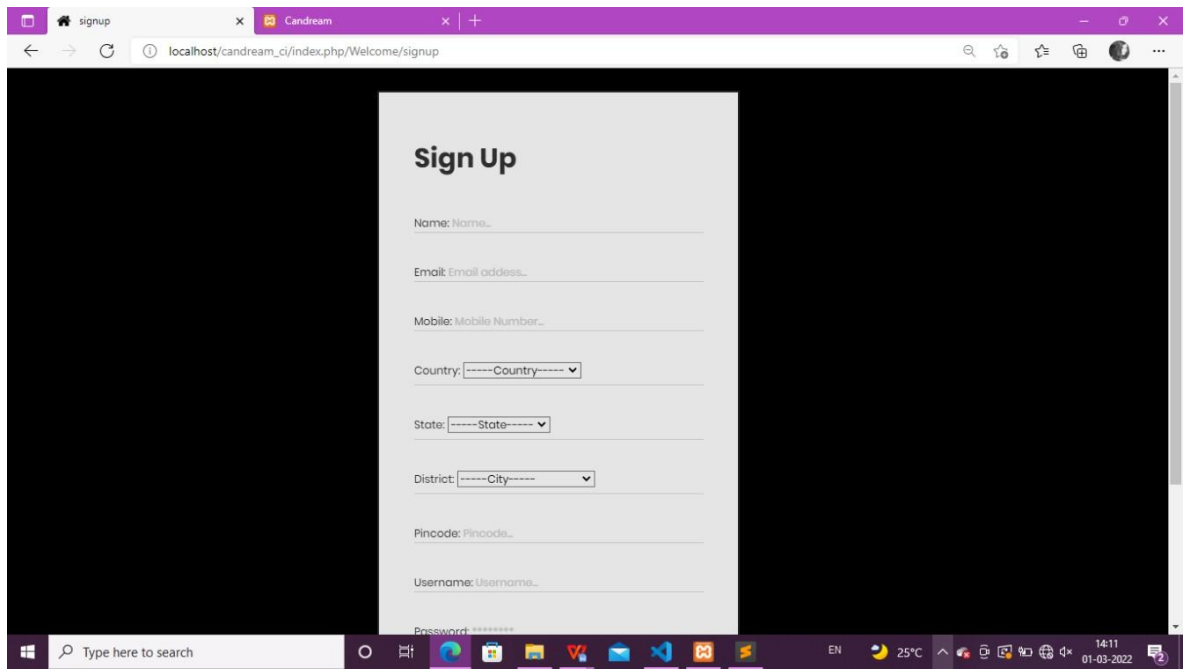
## Screen Shots

### Student Pages

#### Student Home



## Student Registration



The screenshot displays a web browser window with a single tab titled 'signup'. The address bar shows the URL 'localhost/candream\_ci/index.php/Welcome/signup'. The main content area features a 'Sign Up' form with the following fields:

- Name:
- Email:
- Mobile:
- Country:  (dropdown menu)
- State:  (dropdown menu)
- District:  (dropdown menu)
- Pincode:
- Username:
- Password:

The Windows taskbar at the bottom shows the search bar with 'Type here to search', several application icons, and system information including 'EN', '25°C', and the date '01-03-2022'.

## Admin Pages

### Admin Home

