



# **END TERM PROJECT REPORT**

**(PROJECT SEMESTER AUGUST 2014- DECEMBER 2014)**



**L** OVELY  
**P** ROFESSIONAL  
**U** NIVERSITY

*Transforming Education Transforming India*

## **CAREER COACH**

**"Time To Find, Time To Shine"**

### **SUBMITTED BY-**

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Roll No- RD1219A09

Registration No- 11302305

Programme- MCA (Section- D1219)

### **UNDER THE GUIDANCE OF:**

#### **EXTERNAL FACULTY GUIDE:**

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Lovely Infotech.

#### **INTERNAL FACULTY GUIDE:**

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**DEPARTMENT OF**  
**LOVELY SCHOOL OF COMPUTER APPLICATION (SCA)**

**LOVELY PROFESSIONAL UNIVERSITY**  
**( PHAGWARA )**



## **DECLARATION**

I hereby declare that the project work entitled CARRER COACH is an authentic record of my own work carried out as a team work at lovely InfoTech as requirements of industry internship project for the award of degree of MCA, Lovely Professional University, Phagwara, under the guidance of Mr. Lakhwinder Singh(Industry coordinator) and Miss. Gurwinder Kaur (Lecturer), during August to December 2014.

### **Signature of Team Members:**

**1- Gurleen Kaur Sandhu-**

**2- Randheer Singh-**

**3- Sahiba Singhal-**

**4- Prashant Singh-**

**Date: 25 November,2013**

Certified that the about statement made by the student is correct to the best of our knowledge and belief.

**(Signature)**

**Mr. Lakhwinder Singh Ghuman**

**(External Faculty Guide)**



## **ACKNOWLEDGEMENT**

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success.

We are grateful to our project guide Respected **Mr. Lakhwinder Singh** for the Guidance, inspiration and constructive suggestions that helpful us.

We are really grateful to our training coordinator, Respected **Mr. Abhishek Kumar Sharma** for providing us with an opportunity to undertake this project in this university and providing us with all the facilities.

**SUBMITTED TO: Miss. Gurwinder Kaur**

**SUBMITTED BY: Gurleen Kaur Sandhu.**

### **Career Coach Team:**

**Gurleen Kaur Sandhu  
Randheer Singh  
Sahiba Singhal  
Prashant Singh**

## TABLE OF CONTENTS

Serial No.	Topic	Page No.
	<b>Declaration</b>	2
	<b>Acknowledgement</b>	3
1	<b>Organization Overview</b>	6-7
2	<b>Overview Career Coach</b>	8-9
	2.1 Problem/Need	8
	2.1Solution Approach	9
3	<b>Existing System</b>	9
4	<b>Problem Analysis</b>	9-10
	4.1 Business Rule	9-10
	4.2 Exclusion Cost	10
	4.3 Foundation & Impact	10
5	<b>SRS (Software Requirements Specification)</b>	11-14
	5.1 Introduction	11-13
	5.2 Functionality	13-14
6	<b>Design</b>	16-68
	6.1 Logical Design	16-43
	6.1.1 Data Flow Diagram (DFD)	16-21
	6.1.2 Flow Chart	22-31
	6.1.3 ER Diagram	32-39
	6.1.4 Use Case Diagram	40-43
	6.2 Database Diagrams	45-54
	6.2.1 Overall Diagram of Database	45
	6.2.2 Tables and their attributes	46-54
	6.3 Interface Design	55-68
7	<b>Techniques of Testing</b>	69-70
	7.1 Unit Testing	69
	7.2 Integration Testing	69-70

	7.3 System Testing	70
	7.4 Alpha Testing	70
	7.5 Beta Testing	70
8	<b>Test Cases</b>	71-87
	8.1 Registration Form	71-81
	8.2 Verification Form	81-84
	8.3 User Login Form	84-87
9	<b>Implementation</b>	88-90
	9.1 Conversion Plan	89
	9.2 Post Implementation and Maintenance	90
10	<b>Project Legacy</b>	91-92
	10.1 Current Status of project	91
	10.2 Future Scope and Future Enhancement	92
	10.3 Technical and Managerial skills learnt	92
11	<b>User Manual</b>	93-94
	11.1 Admin Module	93
	11.2 Tutor Module	94
	11.3 Student Module	94
12	<b>Source Code</b>	96-106
13	<b>Pseudo Code</b>	107
14	<b>Documentation according to standards</b>	108-111
15	<b>High Level Development (SDLC) Plan</b>	112
16	<b>Roles Assigned</b>	112
17	<b>Bibliography</b>	113



## **1- ORGANIZATION OVERVIEW**

LPU is one of the few Indian universities, which can boast of its state-of-the-art computing resources and network across the campus. LPU believes in utilizing technology to the fullest, and to retain its position as one of the best IT-enabled universities.

### **LOVELY INFOTECH:**

Division of Information Technology supports automation of processes and procedures followed under various departments of LPU. IT division is the back bone of the university as it takes care of all the automation processes. All the divisions / departments are centralized under one network. The main focus of the organization is to understand the requirements of the various departments of LPU and develop the software and web portals. Also it focuses on the maintenance of the developed software whose quality is assured by the QA team at LPU.

Some of the features of Lovely Info-tech are as follows:

- a) Dedicated iMac Lab for I Phone application development.
- b) Completely Wi-Fi Campus with 1000+ access point, supported on the technology from RUCKUS and CISCO.
- c) 600 Mbps of bandwidth for internet with dedicated leased line.
- d) 6000 + workstations supported by 50 plus Quad Core or Xeon based Rack/Blade and desktop Servers.
- e) 40 servers most powerful servers from HP/IBM for 100% redundancy and efficient data management.
- f) 30 Km fiber backbone for providing seamless connectivity.
- g) Robust Networking solution implemented and maintained by the networking Giant "Nortel".
- h) Cisco catalyst 6509E core switch to provide the needed scalability and traffic control.
- i) Dedicated and secured Data centre with powerful Blade Servers.
- j) High end firewall security featured network.



- k) 24hrs Power Back Up -1000 KVA of online uninterrupted power supply(UPS).
- l) 1000+ CCTV cameras for 24 hours surveillance to ensure on campus safety and security.
- m) High end Biometric systems for attendance.
- n) Hi-tech University Management System (UMS).

Lovely InfoTech is involved in the development and implementation of IT projects for LPU. These projects also provide hands on experience to the students in handling technology.

**Lovely Info Tech Division has FOUR departments:-**

- a) Department of Software Development
- b) Web communication cell.
- c) Data Centre Cell
- d) Student Industrial Training Cell (IT)

**Some of the major projects developed by Lovely Info Tech are:-**

- a) Learning Management System(LMS)
- b) Relationship Management System(RMS)
- c) HR Management System
- d) Inventory Management System(IMS)
- e) Payment Tracking System(PTS)
- f) E-Governance System(eGov)
- g) E-Test
- h) LPU eConnect
- i) Budget and Expenditure System
- j) Account S/w
- k) Online Placement Portal
- l) Hospital Management System
- m) Office Management System(OMS)
- n) Hostel Management System
- o) Online Feedback & Survey System
- p) Various Mobile Applications
  - 1- LPUTouch-Windows
  - 2- LPUTouch-iPhone
  - 3- LPUTouch-Android
- q) iPad application for Online

## **2- OVERVIEW**

Finding a tutor for a learner or finding a group of pupils for an educator in the University/ College/ Town is not an easy task specially when there are thousands of students & educators and thousands of subjects. Searching a service of tutor/ mentor becomes a tedious task whether student wants it for clearing his Reappear or for some additional knowledge or a training/ guidance in specific specialization area.

Similarly forming a group of pupils becomes difficult for a tutor when they approach at different times & locations. The main motive of project Career Coach is to make the process painless as possible by listing both tutors and students together. The project provides a common platform where tutor can search students and form a group and a student can search a tutor. The project Career Coach provides a two-way communication where a student can communicate with his tutor/ guide/ trainer and vice versa.

Further, this project provides a common platform for 'Peer to Peer learning' where a set of students can form a group where one can act as a tutor and others as learners. The project can also provide number of benefits to trainees who want to find a trainer to get training on a particular subject. The project Career Coach provide number of provisions to users such as sharing of educational resources, sharing reference links, provision to upload/ download study material, discussion forums and reviews and ratings of services provided by tutors.

Tutors can create their profile, can list specialization areas/ subjects, Students can browse the tutor by location/ name/ subject/ charges, can contact tutors and can provide & read tutor feedback.

### **2.1 PROBLEMS/NEEDS**

- a) Time Consuming Process.
- b) Difficulty in searching Tutors.
- c) Tutor/Student could not interact with each other.
- d) Problems of handling large data.
- e) Difficult to analyze data.
- f) Decentralized data.



## **2.2 SOLUTIONS/APPROACH**

These steps will be considered to solve above mentioned problems.

- a) Online Registration.
- b) Improved Communication.
- c) Help and Support of all Users.
- d) Easy to measure performance.
- e) Maintains a centralized database.
- f) More Reliable.
- g) Improved interaction between tutor and student.

## **3- EXISTING SYSTEM**

In the existing system there are only some selected cities, so the owner wants to explore his site with adding new cities across the country. So, in the new site we add more subjects as compared to existing site and also add the professional subjects in the project.

## **4-PROBLEM ANALYSIS**

### **4.1 BUSINESS RULES AND REQUIREMENTS**

<b><u>Sr. NO</u></b>	<b><u>Description</u></b>	<b><u>Notes</u></b>
1	User Requirements	Step by step Report: Excellent Planning. Organization and management. To avoid the conflicts you can analyze the effects easily in response to particular action. To get feedbacks.

2	Functional requirements	<p>a) Modules for admin to handle the administration task.</p> <p>b) Module for management to handle the suggestion/feedback of students.</p> <p>c) Modules to manage time slots of students and tutor.</p> <p>d) Module for students to get more information about tuition.</p> <p>e) Module interaction between students and teachers.</p> <p>f) Students can find tutors for online private tutoring and help with assignments online.</p> <p>g) Students can find tutors for home tutoring and online tutoring free of any charge.</p> <p>h) Tutors can list there profiles so that students can contact them.</p>
3	Reporting Requirements	User (can be any admin or other) needs monthly or weekly reports of users.
4	Security Requirements	<p>Data Security: Proper Backup of data.</p> <p>a) The access to the system must be through the secure and authenticated login, authorizations, etc.</p>
5	Non-Functional requirements	<p>a) Secure system protected with Login ID and Password.</p> <p>b) 24x7 availability.</p> <p>c) Flexible system with future extension.</p>

## **4.2 Exclusions Cost**

### **4.2.1 Cost**

- a) The cost management and budgeting is not to be considered in the current release.
- b) If the Project is to be extended on large scale then the cost factor on the resources will be included but has been excluded for the time being.

### **4.2.2 Feasibility**

- a) Career Coach is currently in progress which is feasible at both economical and operational level.

## **4.3 Foundation and Impact**

### **4.3.1 Assumptions**

- a) It has been assumed that the system will provide an interface for the user which is easy to understand and implement.
- b) It is assumed that end user have at least basic knowledge of using computer based applications.

### **4.3.2 Issues and constraints**

- a) Security Requirements for the user i.e. authenticated and authorized access.
- b) Unauthorized access is prohibited.
- c) User related information should be in valid format.

## **5. SRS (Software Requirement Specification)**

### **5.1. INTRODUCTION**

The Purpose of this website is to finding a tutor for a learner or finding a group of pupils for an educator in the University/ College/ Town is not an easy task specially when there are thousands of students & educators and thousands of subjects. Searching a service of tutor/ mentor becomes a tedious task whether student wants it for clearing his Reappear or for some additional knowledge or a training/ guidance in specific specialization area. Similarly forming a group of pupils becomes difficult for a tutor when they approach at different times & locations. The main motive of project Career Coach is to make the process painless as possible by listing both tutors and students together. The project provides a common platform where tutor can search students and form a group and a student can search a tutor. The project Career Coach provides a two-way communication where a student can communicate with his tutor/ guide/ trainer and vice versa. Further, this project provides a common platform for 'Peer to Peer learning' where a set of students can form a group where one can act as a tutor and others as learners. The project can also provide number of benefits to trainees who want to find a trainer to get training on a particular subject. The project Career Coach provide number of provisions to users such as sharing of educational resources, sharing reference links, provision to upload/ download study material, discussion forums and reviews and ratings of services provided by tutors. Tutors can create their profile, can list specialization areas/ subjects, Students can browse the tutor by location/ name/ subject/ charges, can contact tutors and can provide & read tutor feedback.

### **5.1.1 PRODUCT PERSPECTIVE**

The Software Requirements Specifications intends to identify the flaws in the current existing system and propose an alternative or a solution to them. Our Project mainly used to develop a system which will help the tutor/student to search and interact with each other easily. It will also help individual to view their profile and updates.

The main purpose of **Career Coach** is-

- I) To provide a search platform where a student can find a tutor according to his requirements.
- II) To provide a support window where one interested to act as a mentor/ tutor can create his profile.
- III) To provide a provision where one can search the services in any subject or from any geographical location.
- IV) To provide a platform which can motivate the 'Peer to Peer learning'?
- V) To provide a platform where 'Connect' among students and tutors can be improved.
- VI) To provide a platform where great ideas can be discussed and new initiatives can be planned.
- VII) To provide a platform where knowledge can be extended through sharing e-resources.
- VIII) To provide a student support where students can review and rate services provided by tutors.

### **5.1.2 Products Functions**

It consists of mainly 3 modules-

- 1- Administration
- 2- User Registration & Account Management
- 3- Tutor Corner
- 4- Student Support
- 5- Searching
- 6- E-Resource Management
- 7- Feedback and suggestions
- 8- Communication & Notifications
- 9- Discussion Forum
- 10- Help and Support

### **5.1.3 USER CLASSES AND CHARACTERISTICS**

#### **ADMINISTRATOR**

These are the users who have the control of the website. Any updates can be made by the administrator. They have the control on database.

## **TUTOR**

These are the users for whom we are making this website. After registration procedure they will be registered to use our website and who don't registered they are only allowed to visit our website but not providing any additional services like Profiles, Updates,etc. Registered tutors can edit their profile, upload their documents and view their updates and according to their needs they can interact with each student.

## **STUDENT**

These are the users for whom we are making this website. After registration procedure they will be registered to use our website and who don't registered they are only allowed to visit our website but not providing any additional services like Profiles, Updates,etc. Registered students can edit their profile, download their documents and view their updates and according to their needs they can interact with each tutor.

## **5.2 FUNCTIONALITY AND GENERAL DESCRIPTION**

### **Functionality of administrator module-**

It includes the phase for recognizing that who is administrator, users and it also include the use case to clear their roles.

- a) User Information Management
- b) Role & Permission Management

### **Functionality of User Registration & Account Management module-**

It includes the process for registration for the future involvement and manage their account for interaction and can view their profile.

- a) Online User Registration
- b) User Profile Management

### **Functionality of Tutor Corner module-**

It includes tutor to register for website and can update their profile and maintain their fee charges and will provide information to student for group formation.Hence,tutor can easily interact and communicate with each other.

- a) Profile Creation and Publication
- b) Fee/ Charges Management
- c) Group Formation
- d) Interaction and Communication

### **Functionality of Student Support module-**

It includes student to register for website and can update their profile and can download document.

Hence, student can easily interact and communicate with each other.

- a) Post management
- b) Fee/ Charges Management
- c) Class/ Lesson planning
- d) Peer to peer communication

#### **Functionality of Searching module-**

It includes searching for the particular according to the desired location, tutor, student, specialization subject and fees.

- a) Tutor Based
- b) Student Based
- c) Location based
- d) Specialization/ Subject Based
- e) With/ Without fee search

#### **Functionality of E-Resource Management module-**

It includes sharing and upload files for student and student can download file.

- a) Sharing of Resources
- b) Upload/ Download files

#### **Functionality of Feedback and suggestions module-**

It includes suggestions and feedback for the website. User and not registered user both can give their feedback for website. It also provide queries if any.

- a) Suggestions/feedback
- b) Queries.

#### **Functionality of Communication & Notifications module-**

It provides user to communicate and also their notifications and messages for information.

- a) Messages & Notices

#### **Functionality of Discussion Forum module-**

It provides user to create topics and can reply to that topics for further interaction.

- a) Create topics/ forums
- b) Reply to topics

#### **Functionality of Help and Support module-**

It provides user to help and support in case of any query and problems.



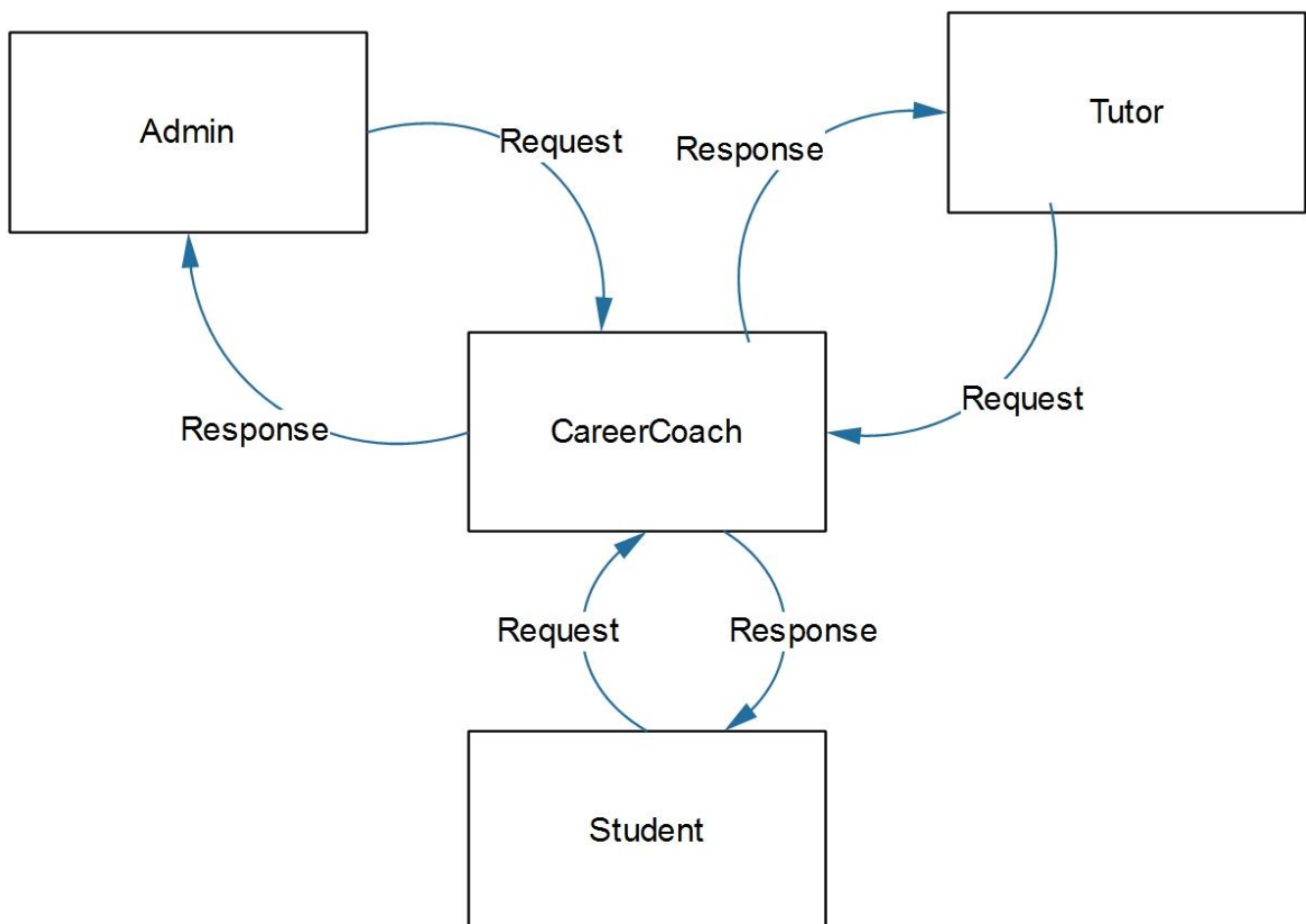
## 6. Design

### 6.1 Logical Design

#### 6.1.1 DATA Flow Diagram(DFD)

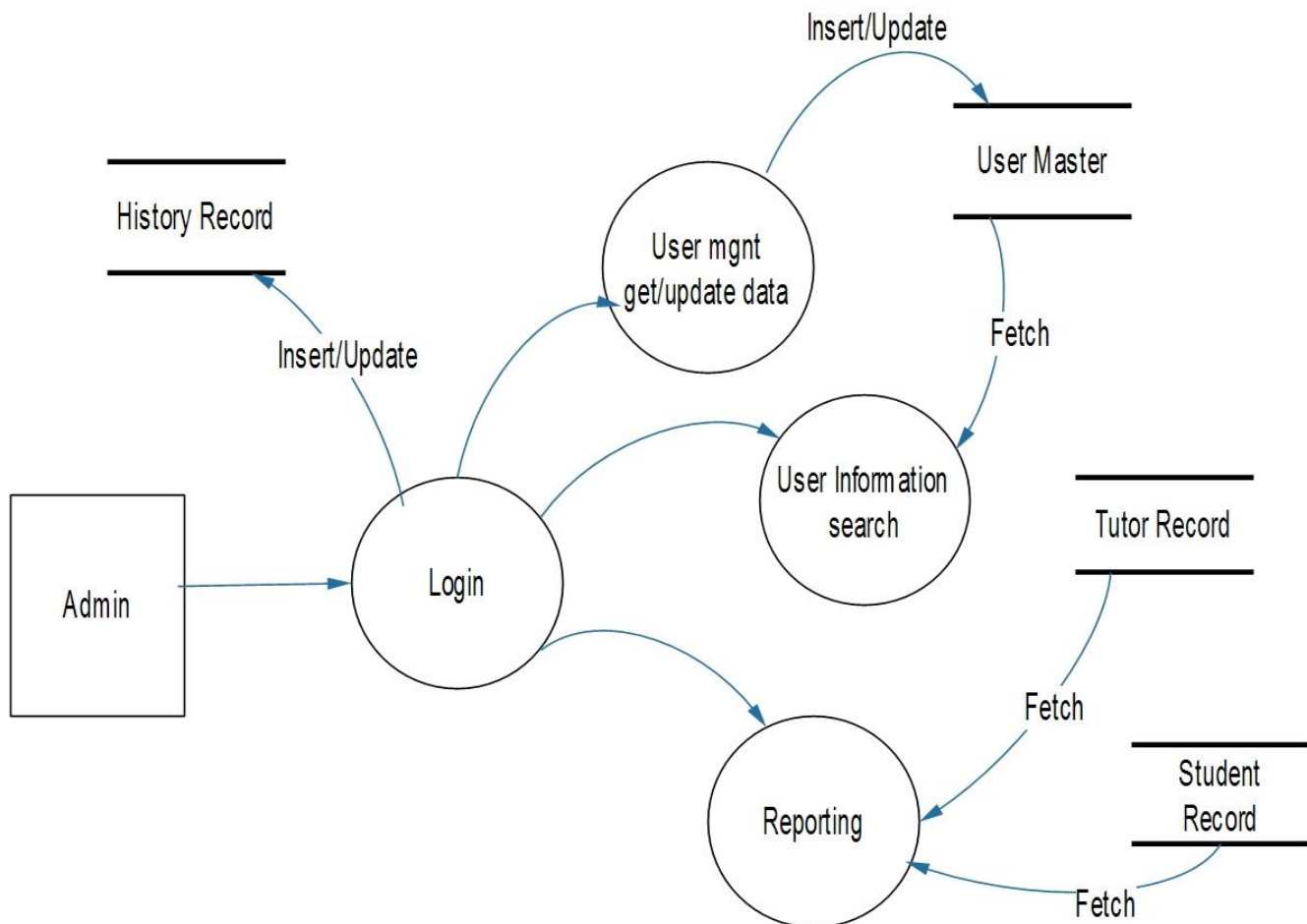
The DFD's represents the flow of the data among the different processes, entities and records. There are 0-level (context diagram) and 1-level DFD's. The 0-level DFD represents the overall entities participating in the system excluding the detailed functionality of the system whereas 1-level represents the module wise detailed functionality of the system.

#### 0-LEVEL DFD-

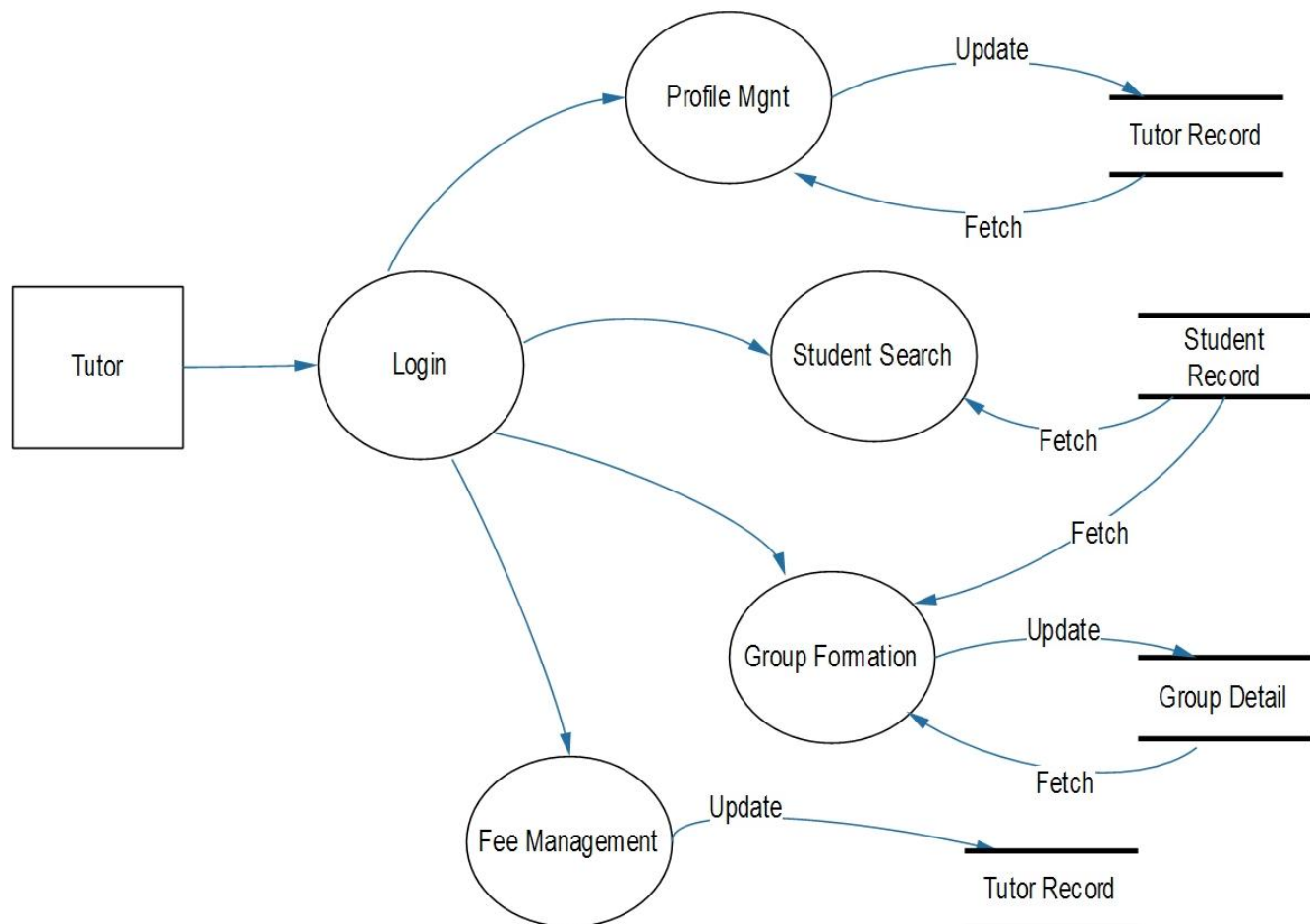




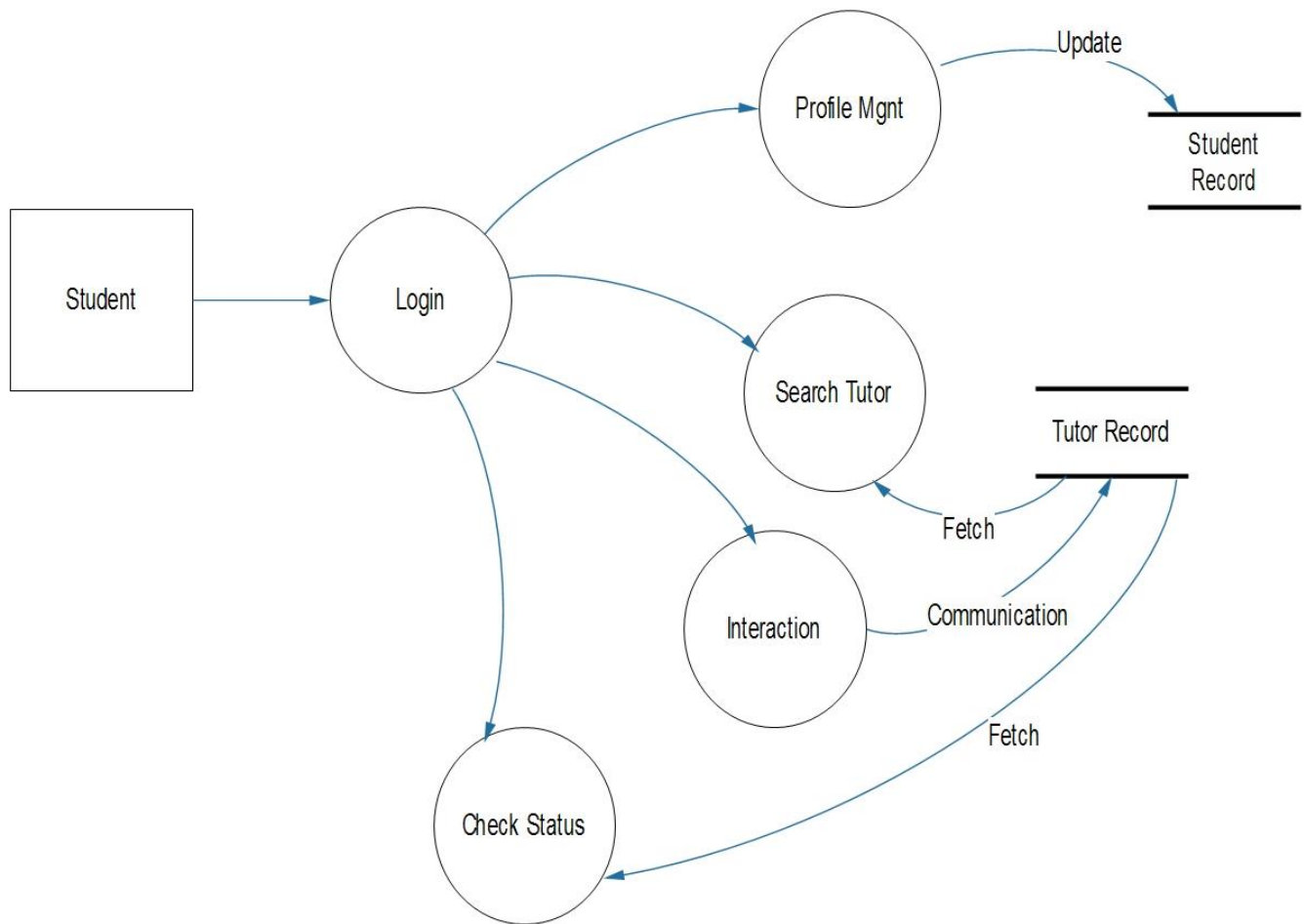
## ADMIN MODULE DFD-



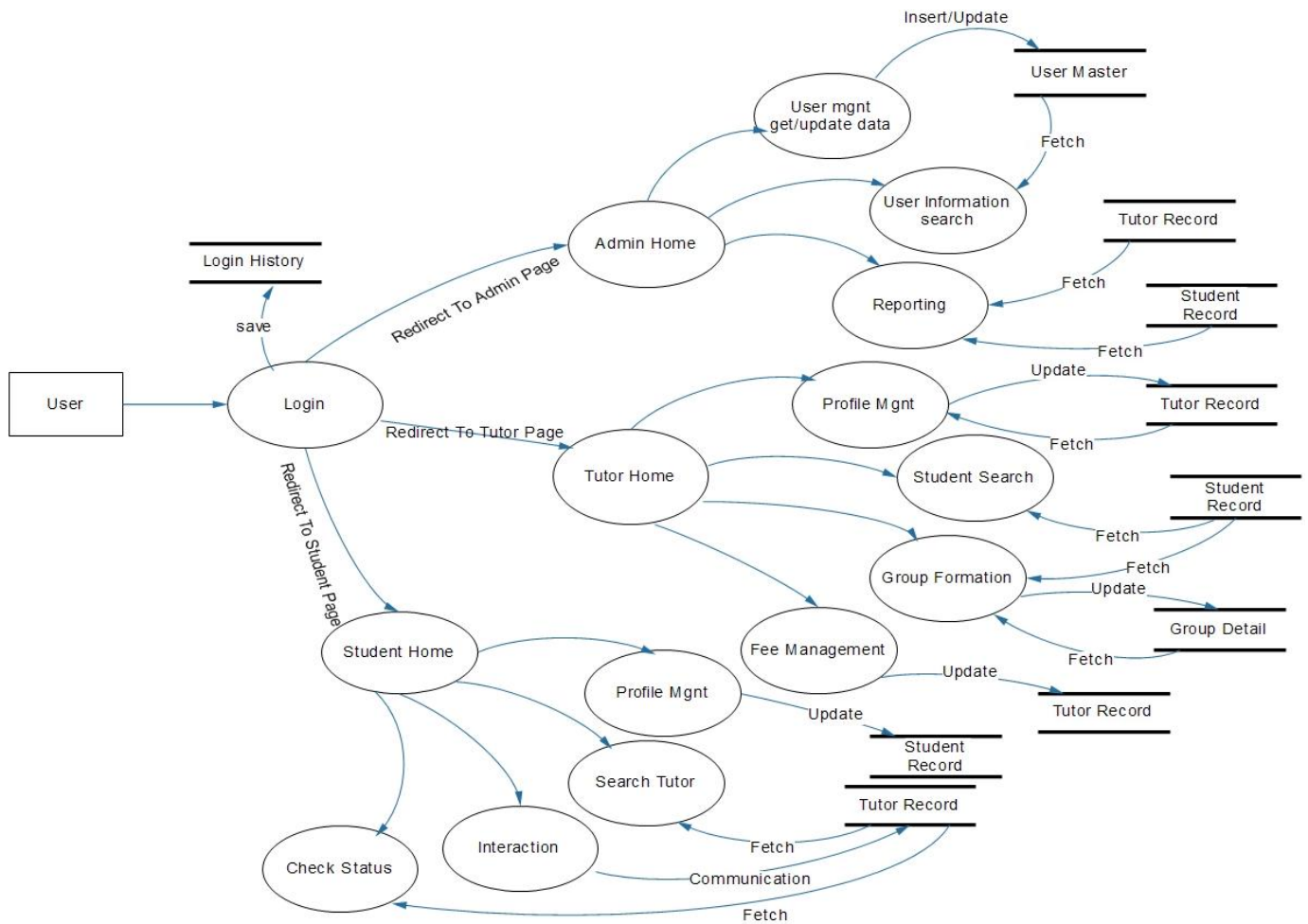
## TUTOR MODULE DFD-



## STUDENT MODULE DFD-



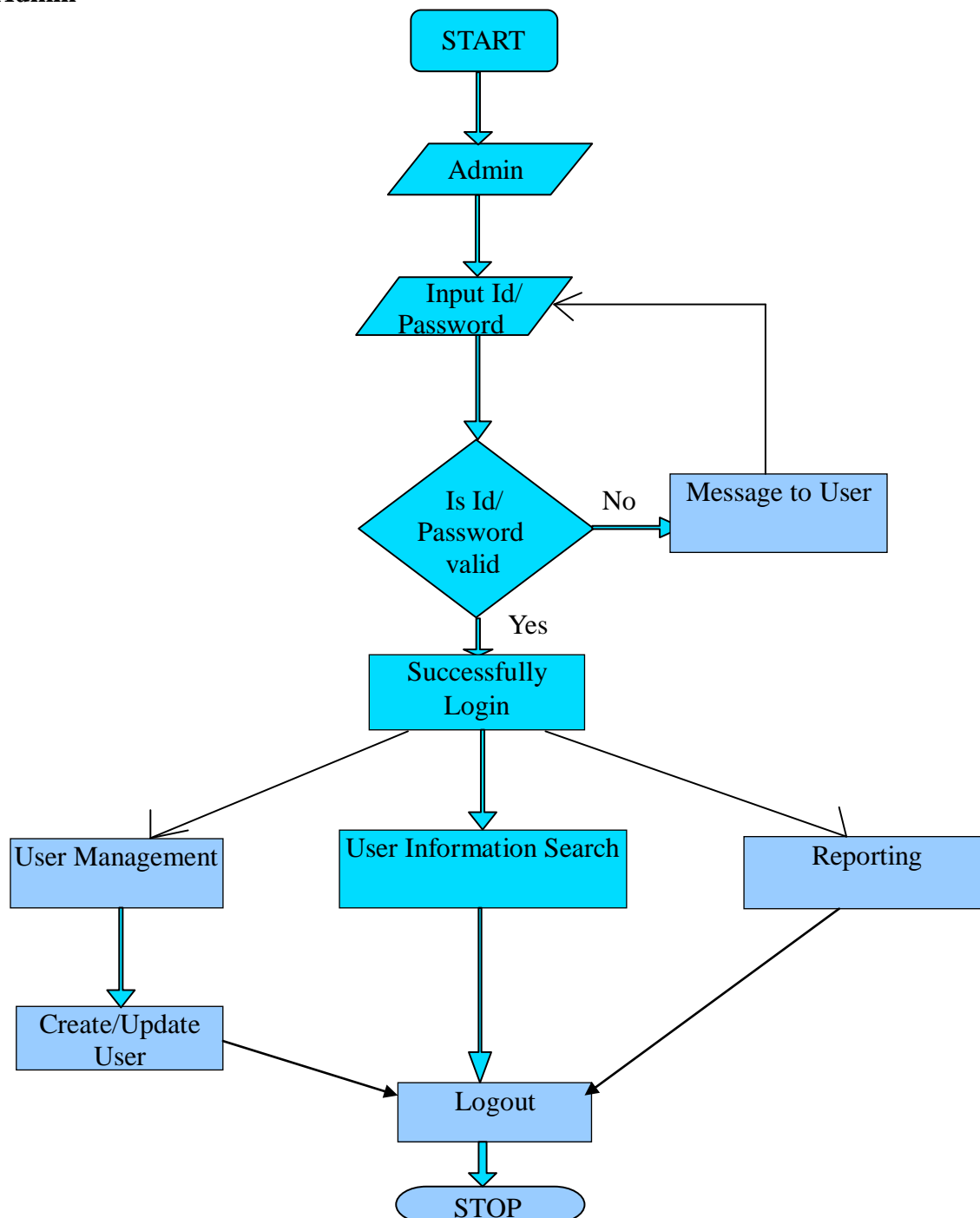
## OVERALL DFD-



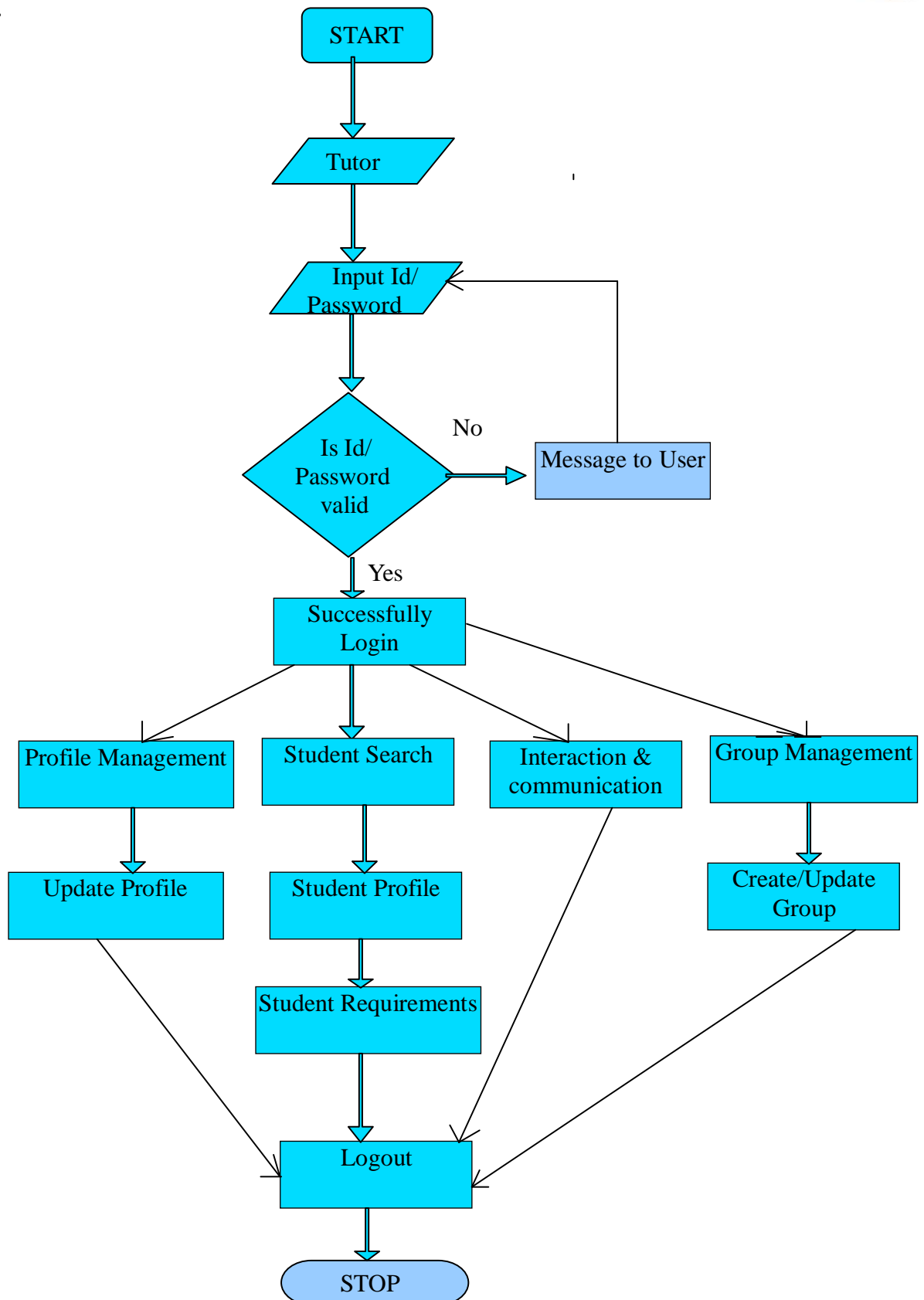
### 6.1.2 Flow Chart

Flow Charts are the Pictorial representations of the flow of the data of the Travel with Glance System. In flowcharts the Start/Stop is represented by eclipse, Input/Output is shown by rectangles, operations are shown in parallelogram, and diamonds represents the Decision box.

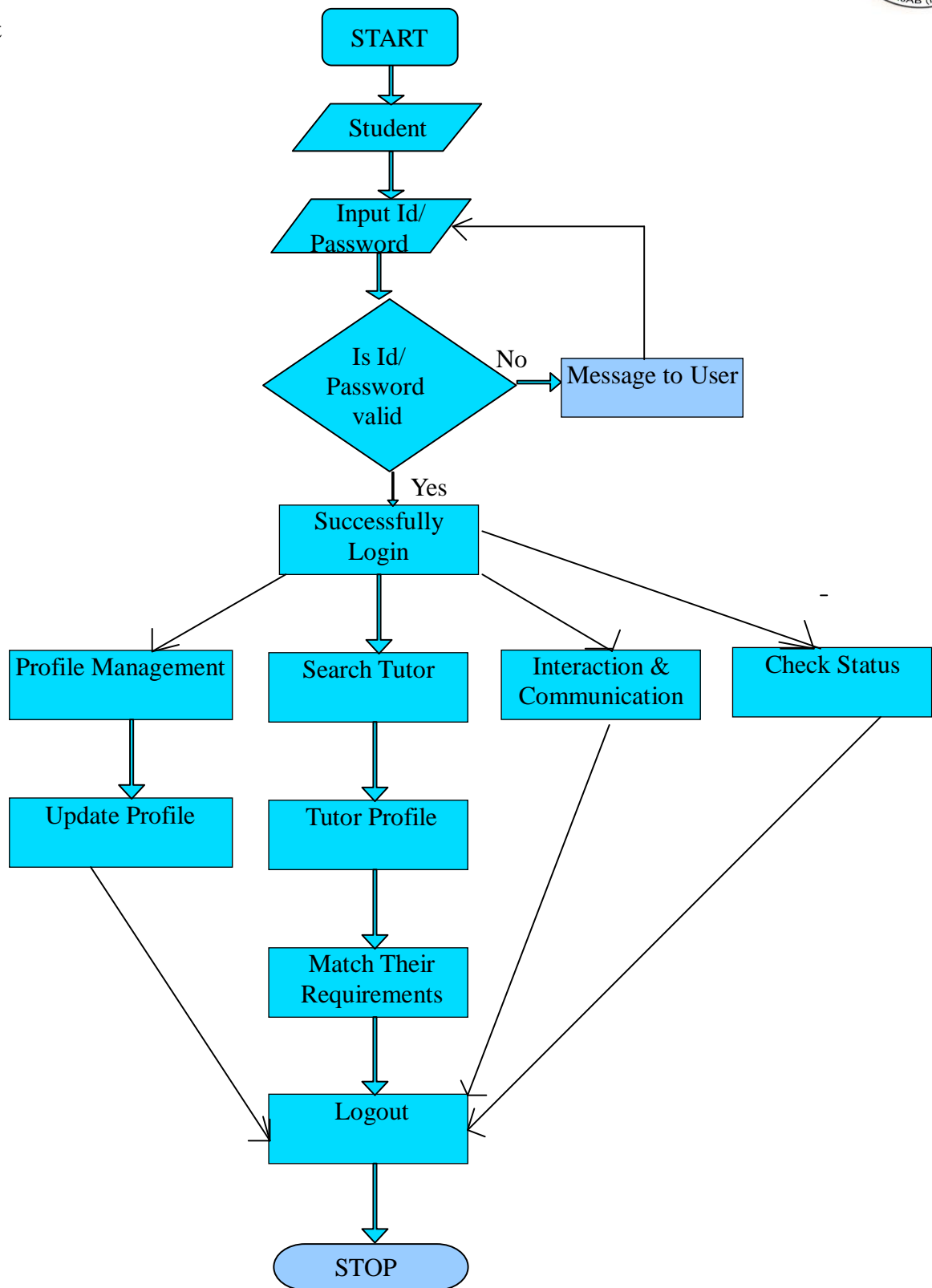
#### 1. Admin



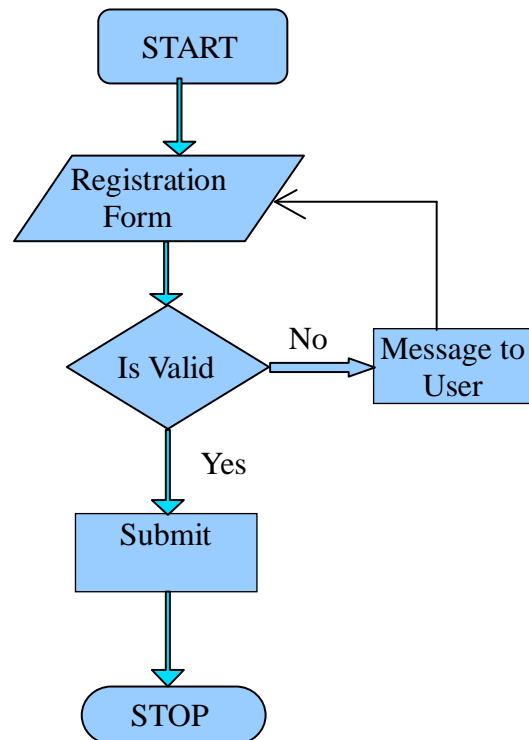
## 2. Tutor



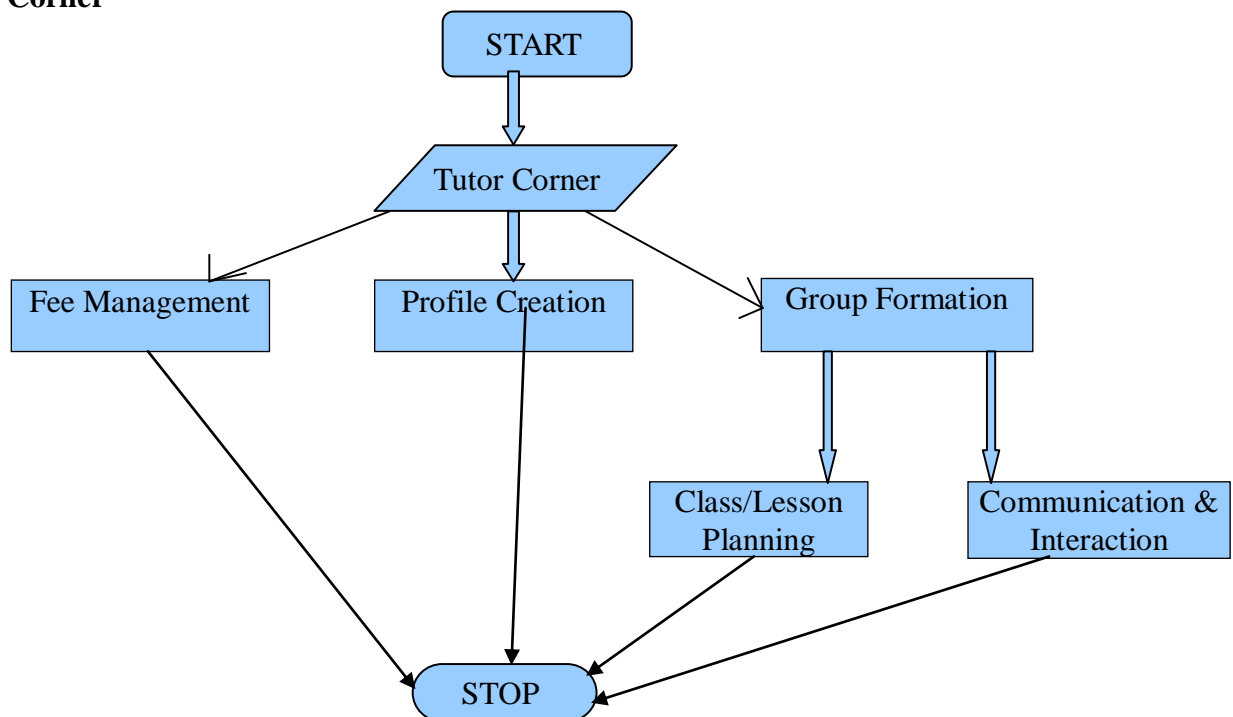
### 3. Student



#### 4. Registration

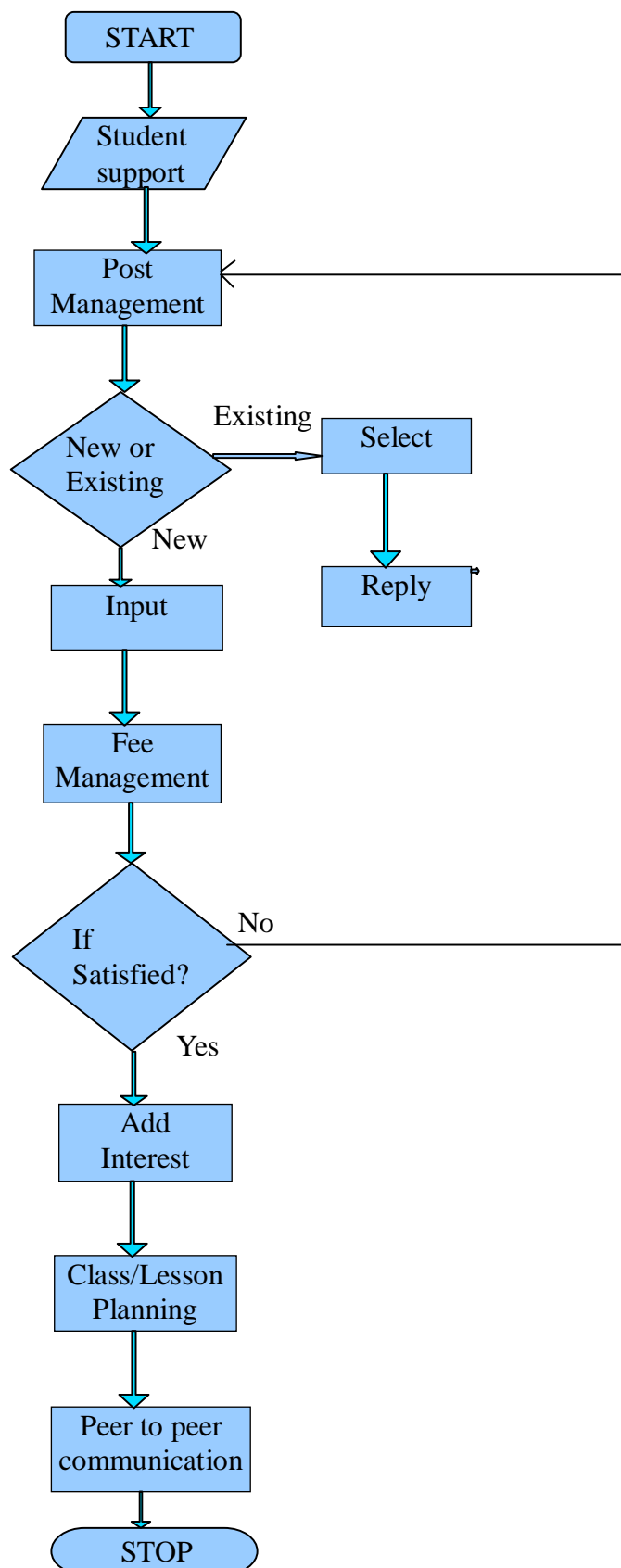


#### 5. Tutor Corner

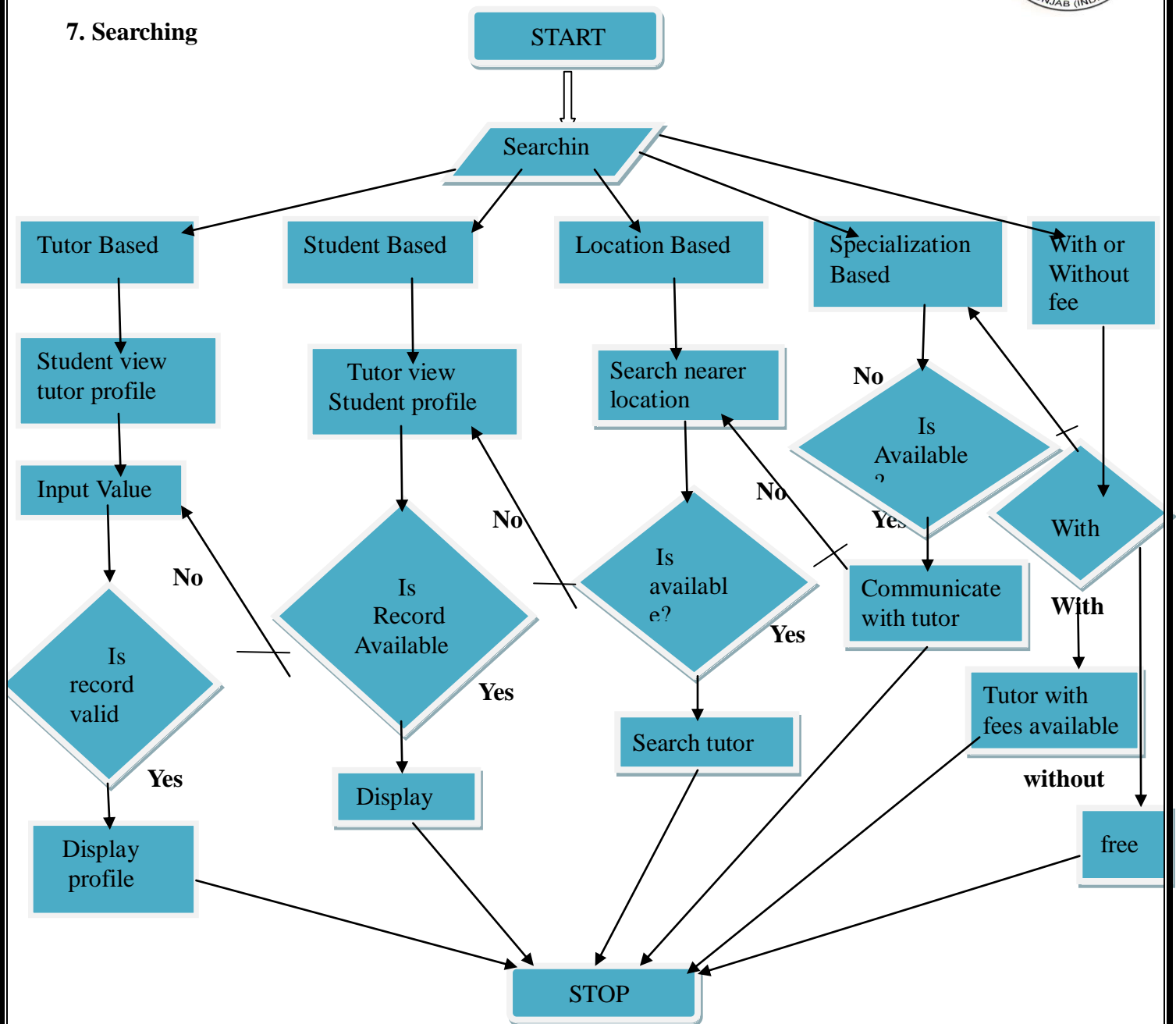




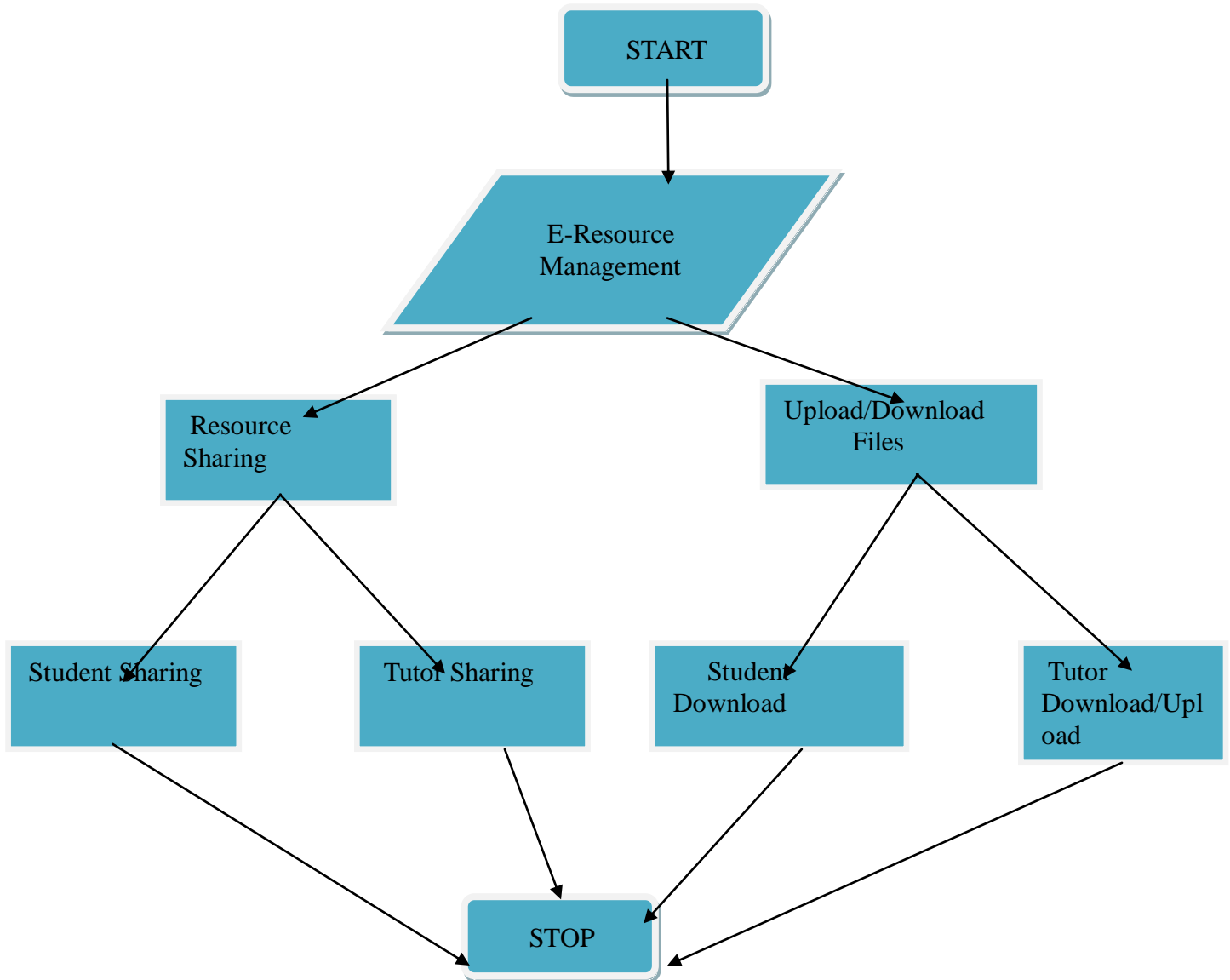
## 6. Student Support



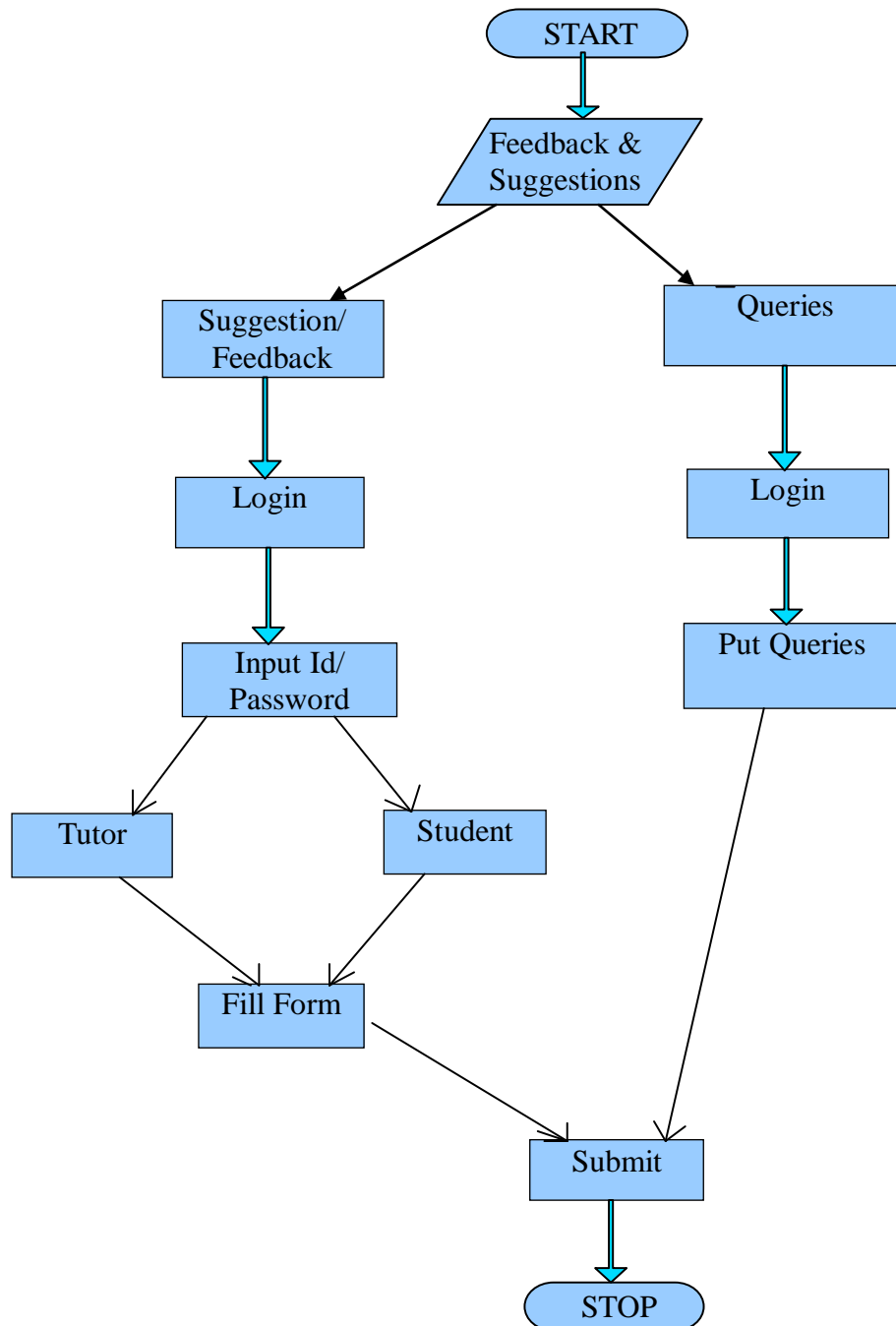
## 7. Searching



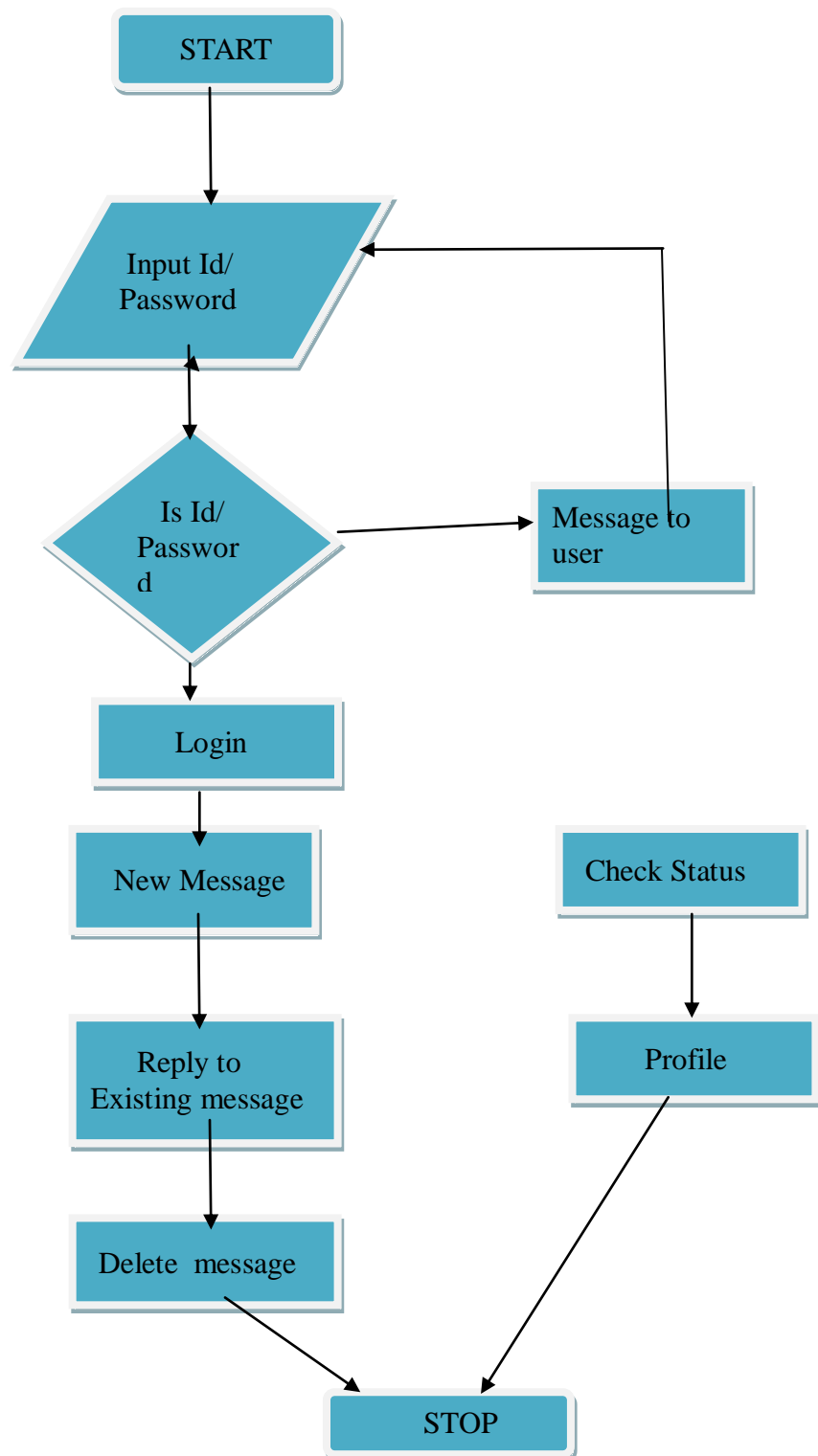
## 8. E-Resource Management



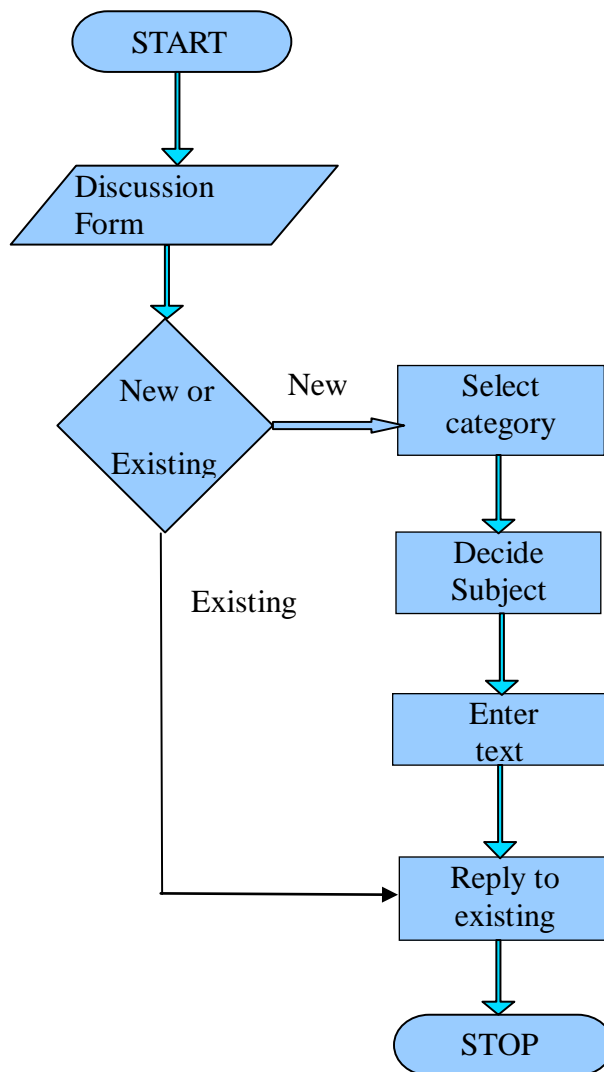
## 9. Feedback & Suggestions



## 10. Communication & Notifications



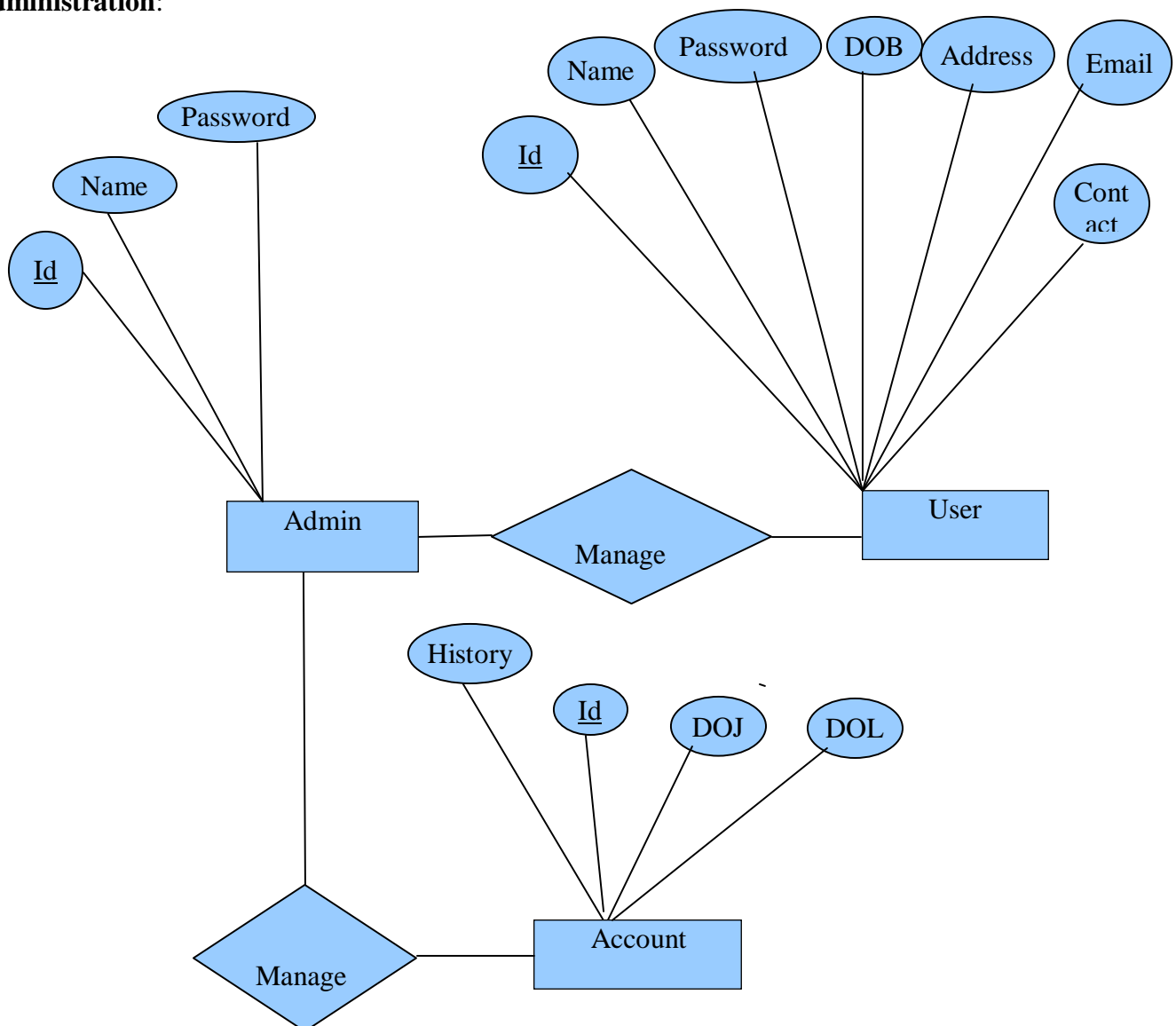
## 11. Discussion Form



### 6.1.3 ENTITY-RELATIONSHIP DIAGRAMS

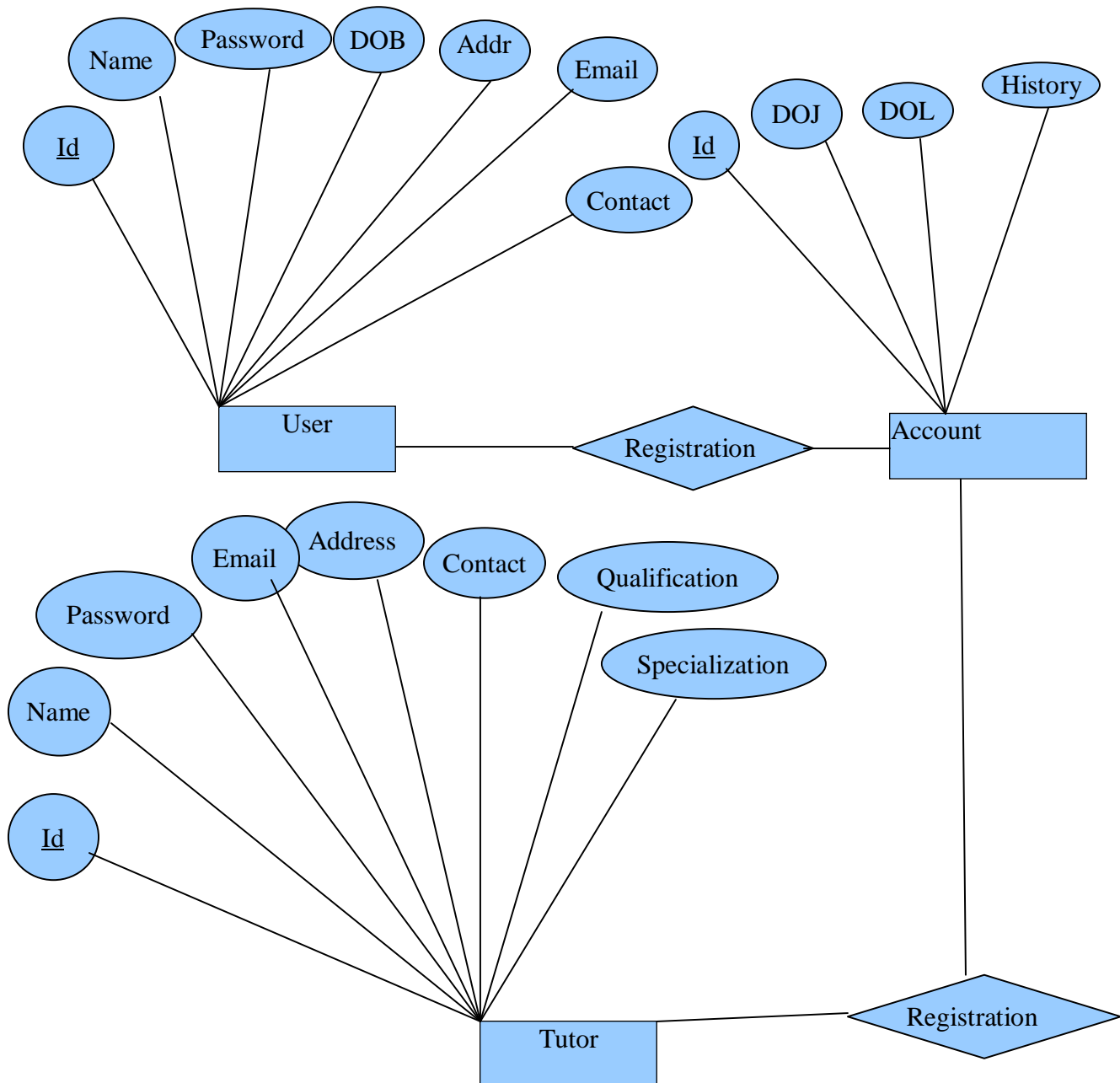
E-R diagrams represent the different entities and their relationships; it also defines the attributes associated with each entity. Entities are represented in Rectangle, attributes are represented in ovals and relationships are represented by diamonds.

**Module 1:**  
**Administration:**



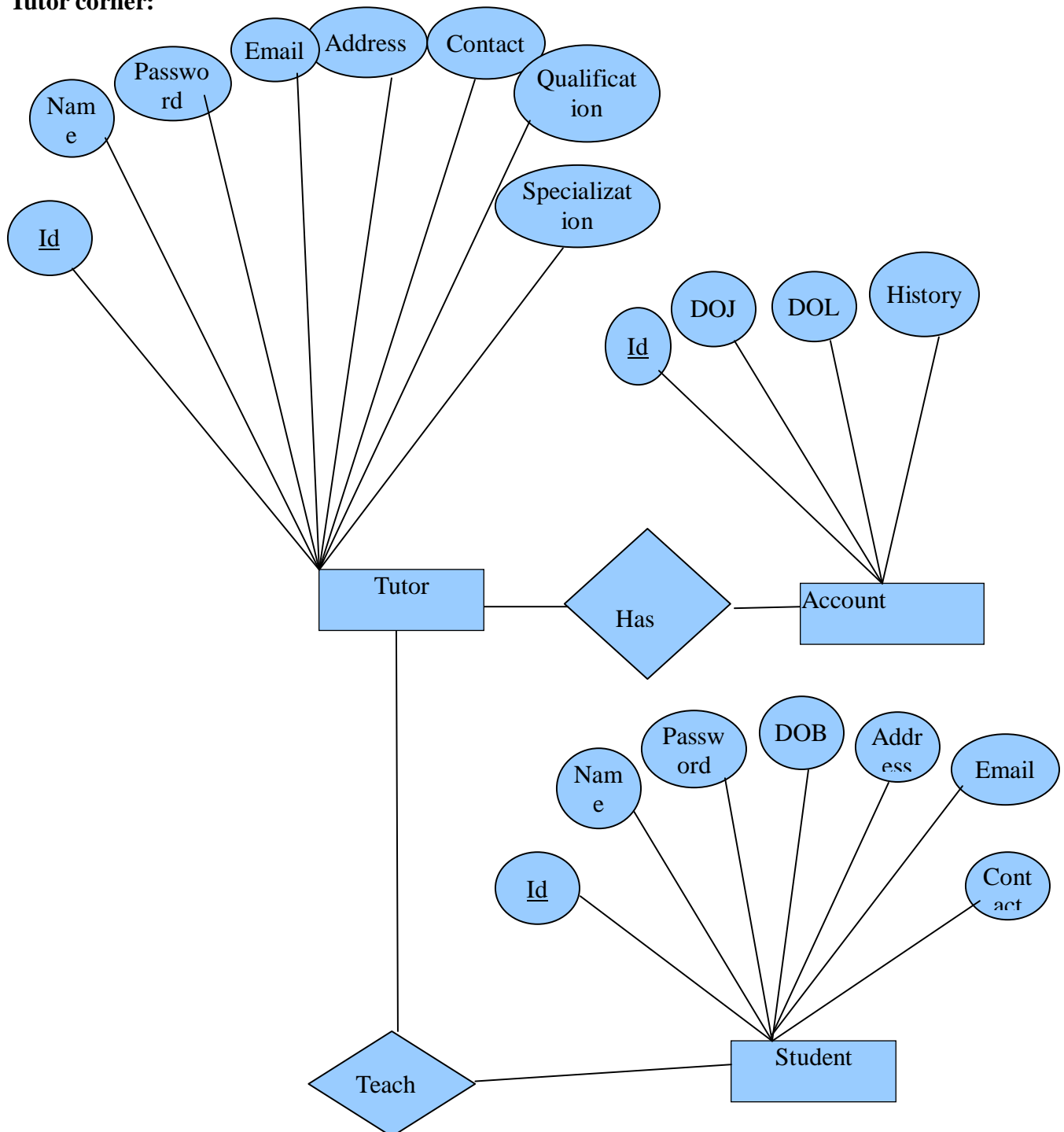
## Module 2:

### User registration & Account management :



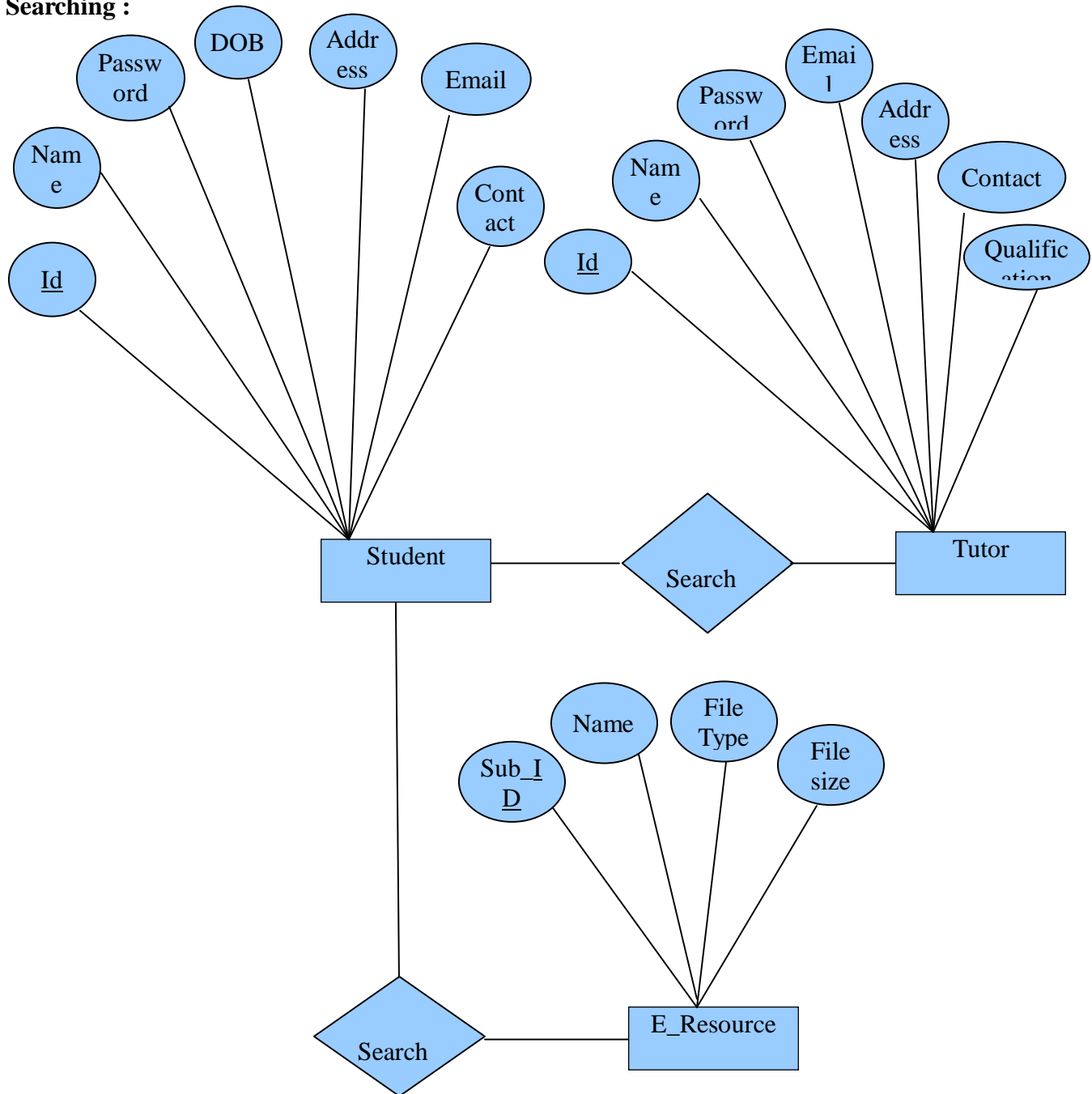


### Module 3: Tutor corner:

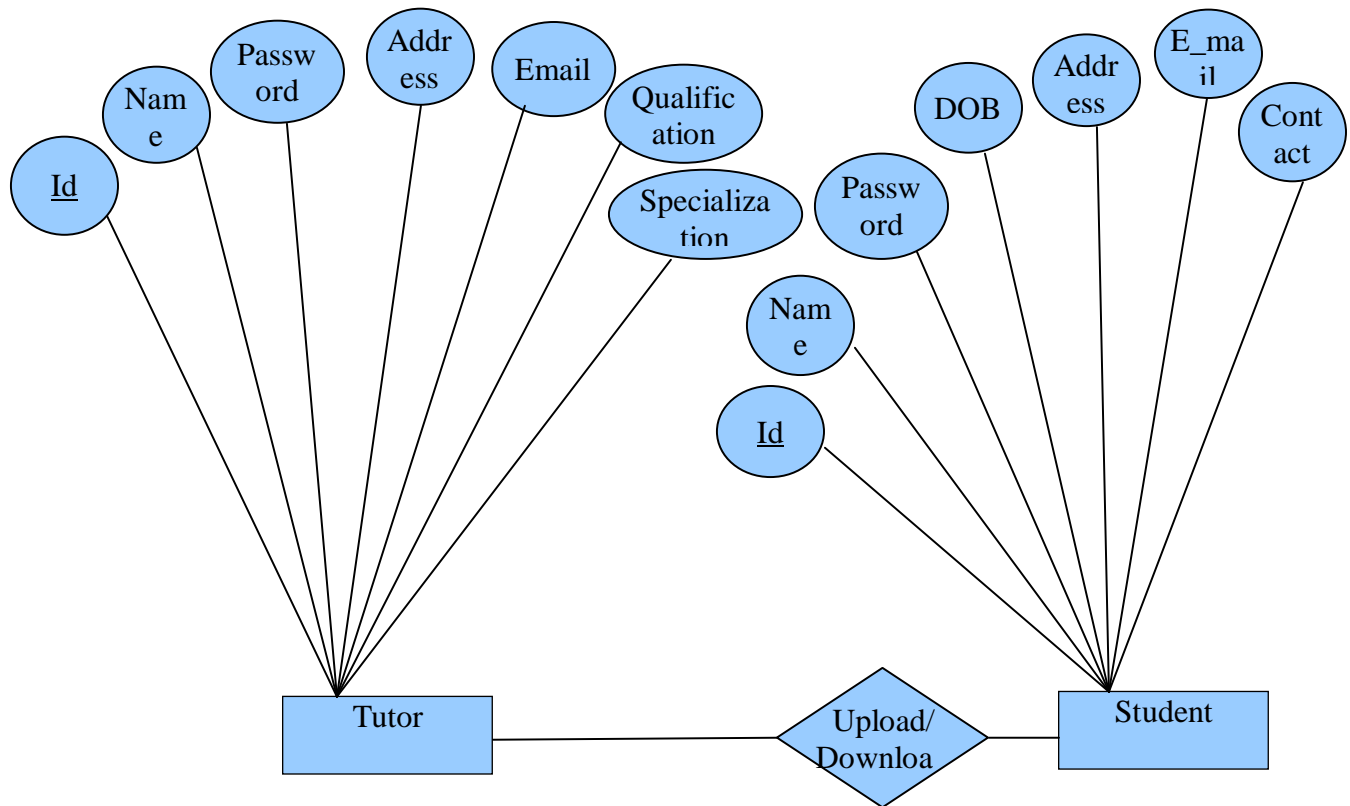




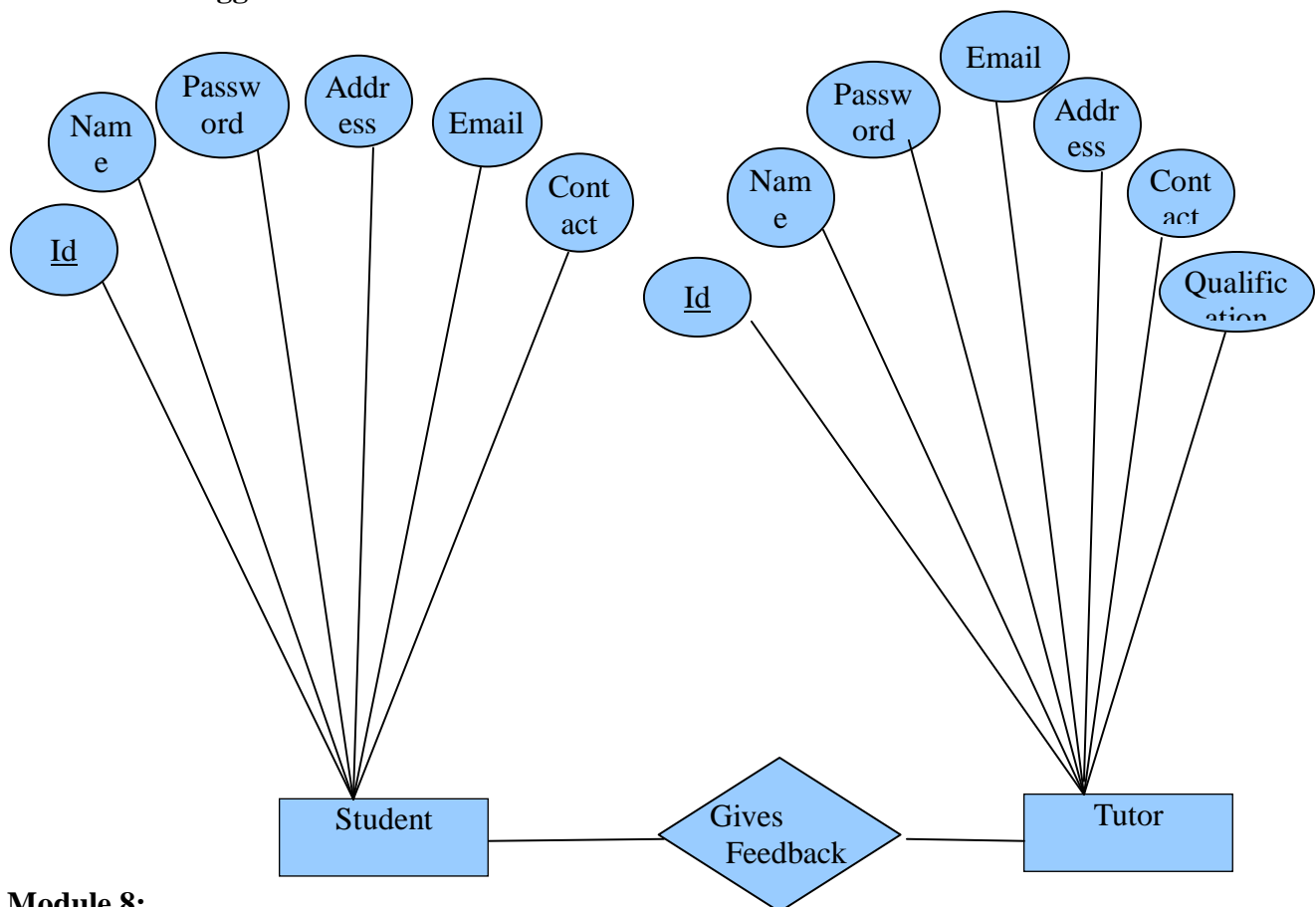
**Module 5:**  
**Searching :**



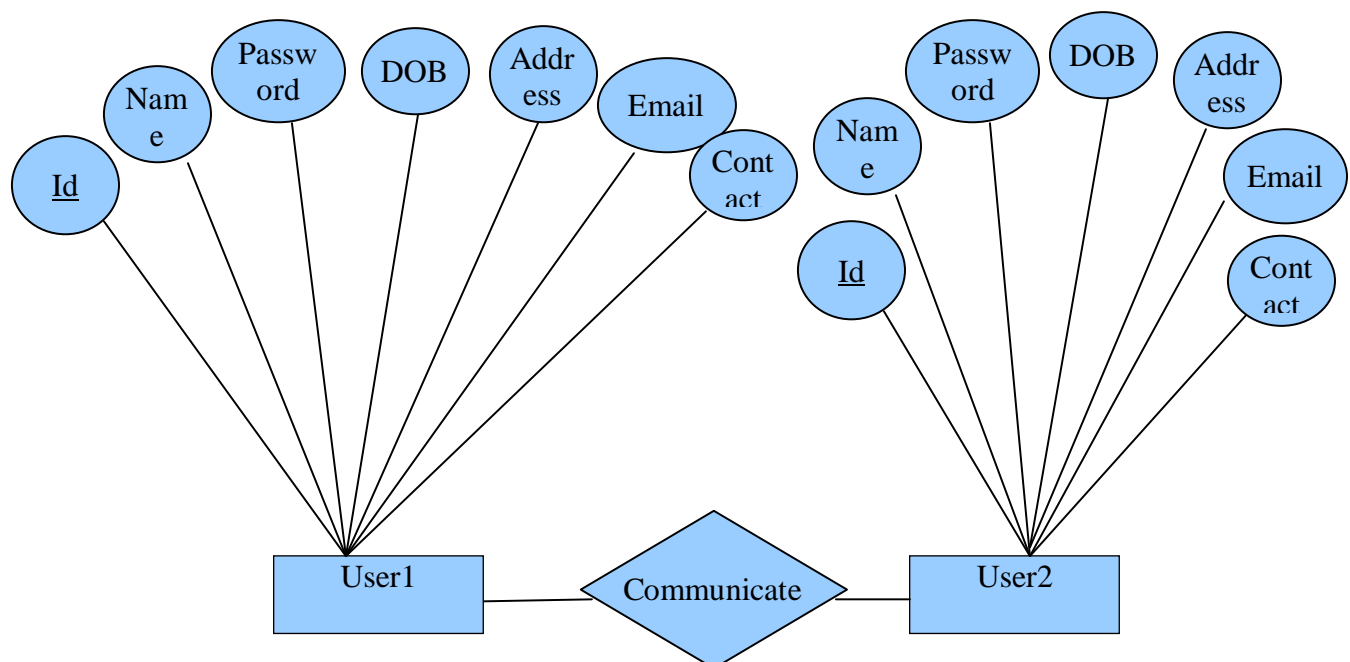
**Module 6:**  
**E\_Resource:**



## Module 7: Feedback & Suggestions :

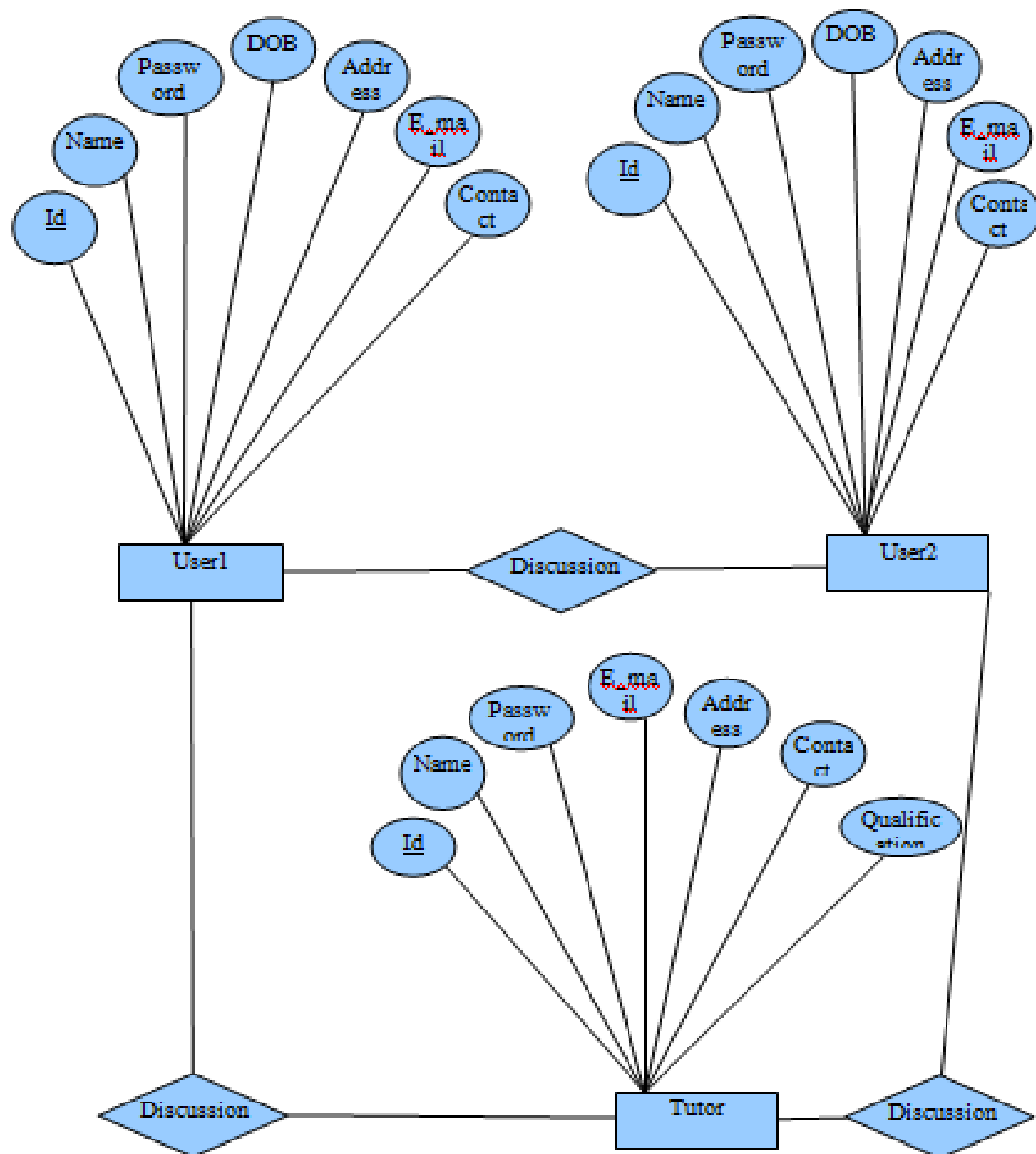


## Module 8: Communication & Notifications:



## Module :9

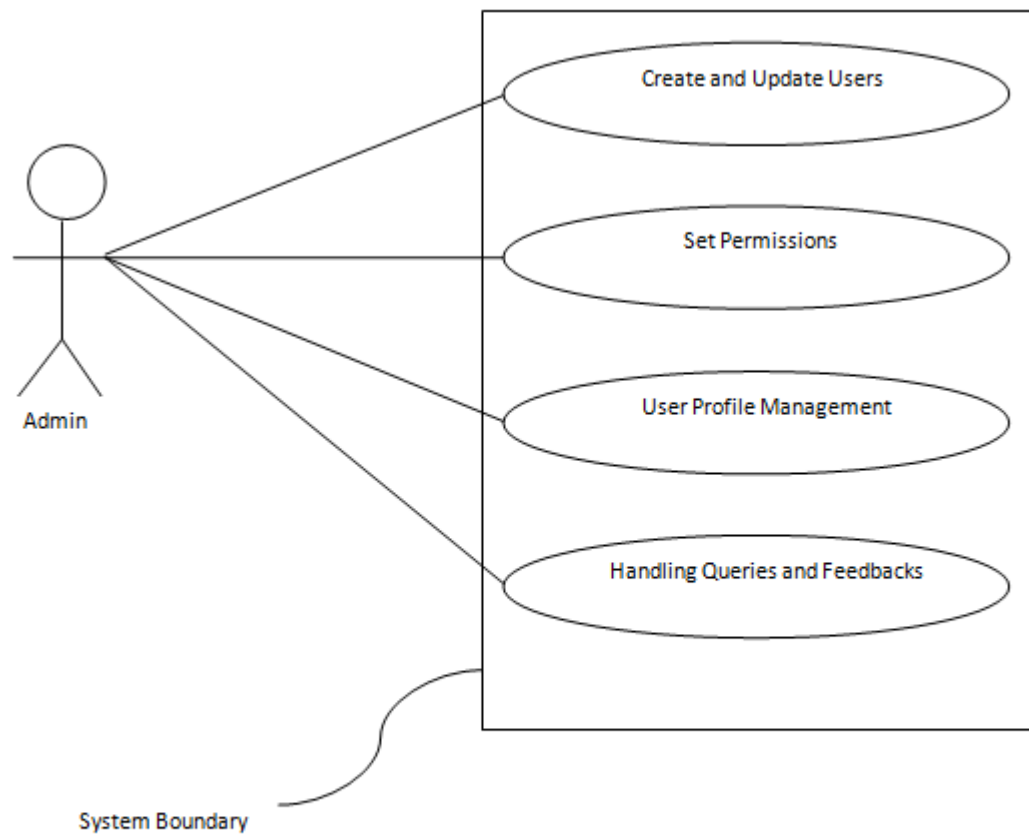
### Discussion



#### 6.1.4 Use Case Diagram:

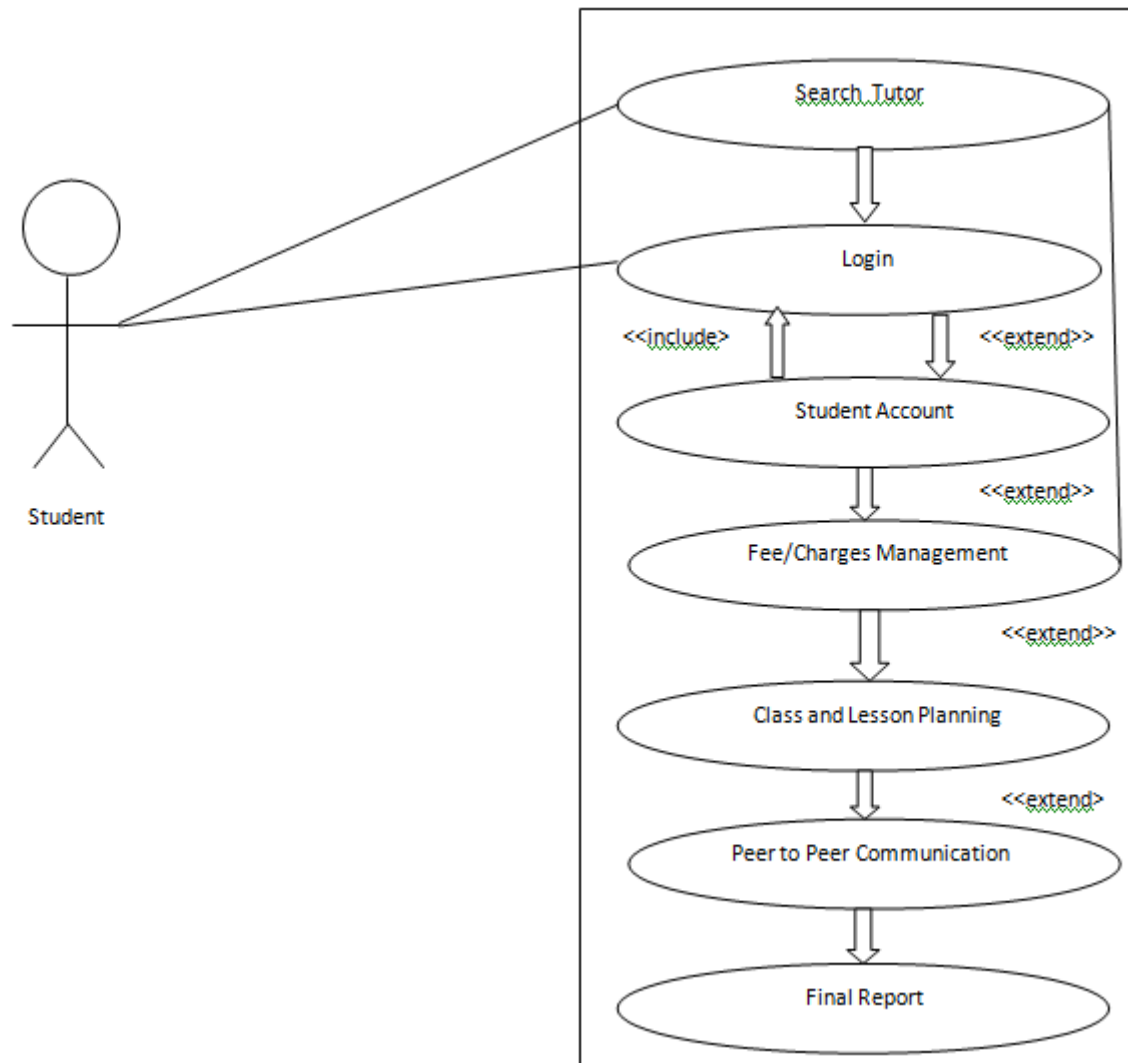
Use Case diagrams are used to chart out the user requirements. This diagram represents the different use cases, actors in a system with their relationships.

##### 1-ADMIN



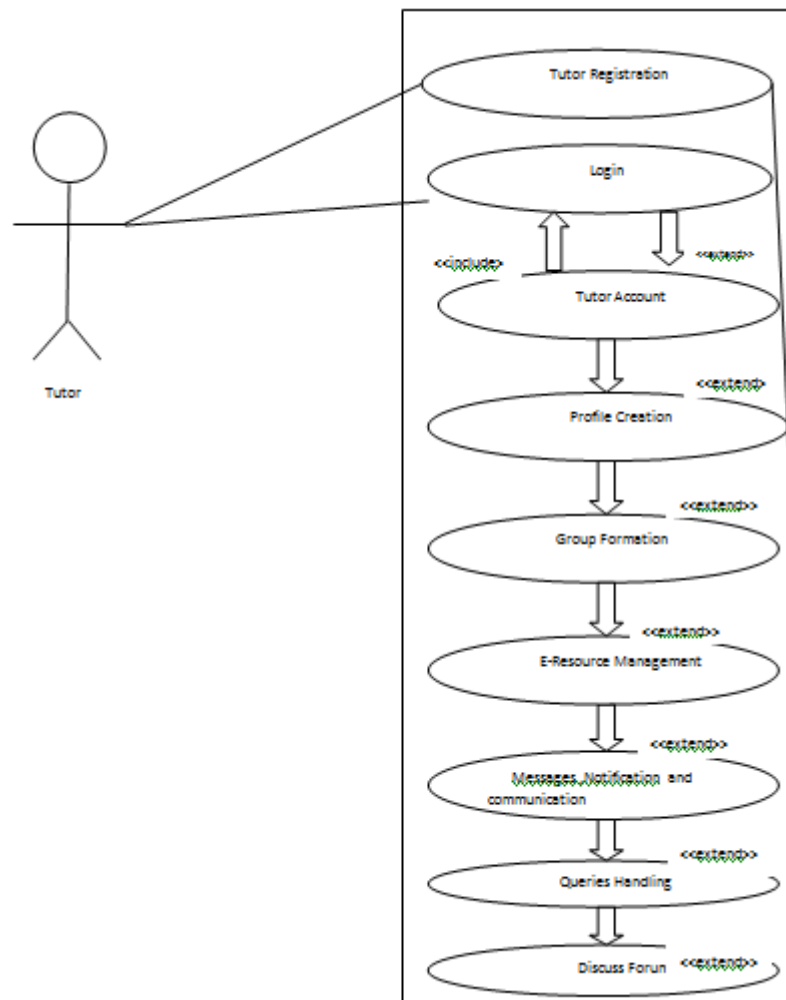
USER CASE DIAGRAM

## 2-STUDENT





### 3-TUTOR



#### 4- OVERALL CSE CASE DIAGRAM

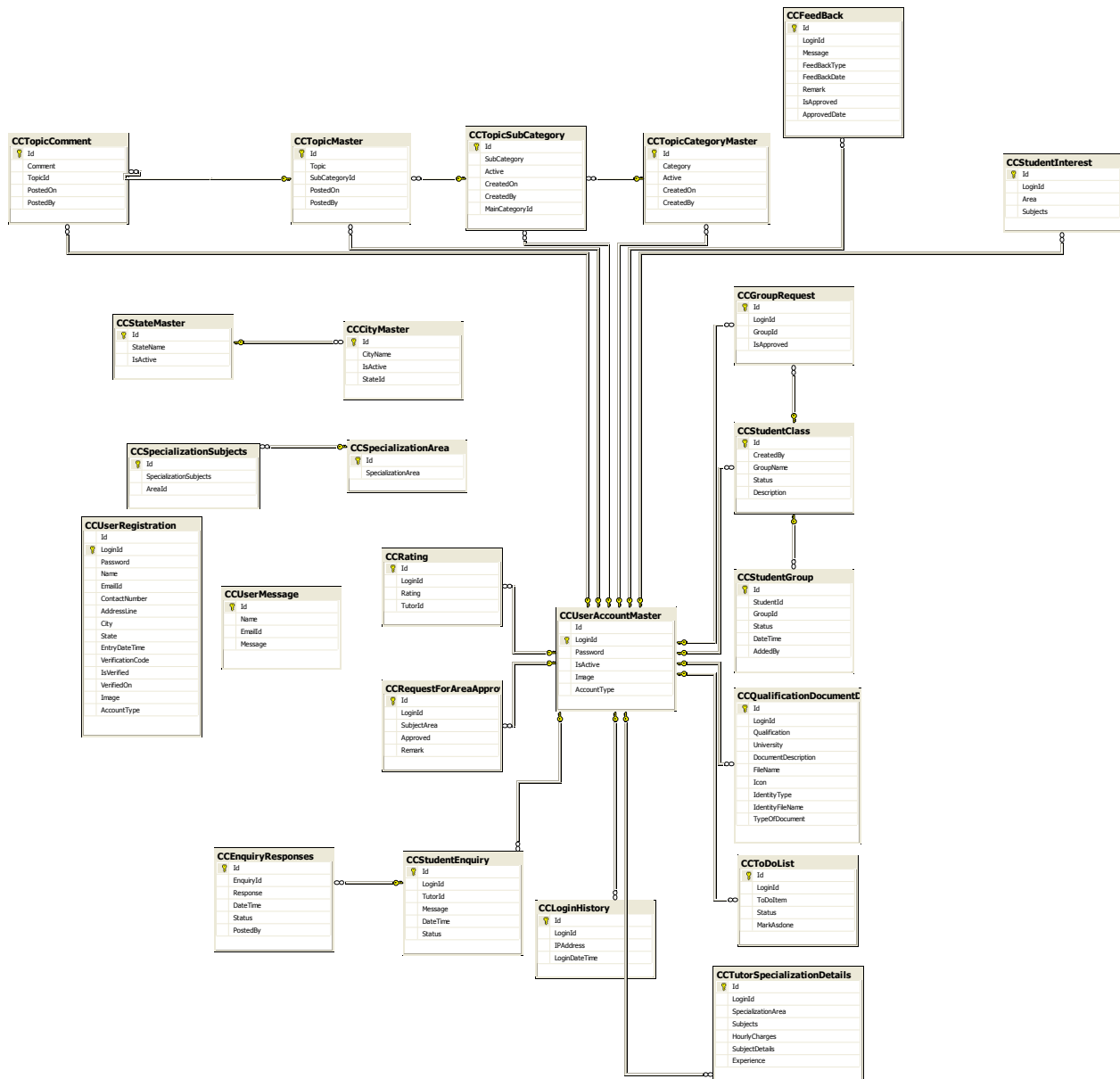


# **DATABASE DIAGRAMS**





## 6.2- Database Diagrams-

### 6.2.1- Overall Diagram of Database-




## 6.2.2 –Tables and their attributes

**Table 1- CCUserRegistration**

BD-TEST.group...erRegistration		
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
 LoginId	varchar(50)	<input type="checkbox"/>
Password	varchar(50)	<input type="checkbox"/>
Name	varchar(50)	<input type="checkbox"/>
EmailId	varchar(50)	<input type="checkbox"/>
ContactNumber	numeric(10, 0)	<input type="checkbox"/>
AddressLine	varchar(100)	<input type="checkbox"/>
City	varchar(50)	<input type="checkbox"/>
State	varchar(50)	<input type="checkbox"/>
EntryDateTime	datetime	<input type="checkbox"/>
VerificationCode	bigint	<input type="checkbox"/>
IsVerified	bit	<input checked="" type="checkbox"/>
VerifiedOn	datetime	<input checked="" type="checkbox"/>
Image	varbinary(MAX)	<input checked="" type="checkbox"/>
AccountType	varchar(50)	<input type="checkbox"/>

**Procedures-**CcpInsertIntoUserRegistration,CCpTotalRegistration,CCpUserRegistrationSummary, CCpNewMembers,CCpSearchTutor,CCpStudentSearch,CCpStudentSearch, CCpTutorProfileForStudent,CCpUpdateTutorContactDetail,CCpUpdateTutorProfile, CCpUpdateVerification,CCpUserRegistrationSummary,CCpViewTutorPersonalInformation.

**Table 2- CCUserAccountMaster**

BD-TEST.group...AccountMaster		
Column Name	Data Type	Allow Nulls
Id	bigint	<input type="checkbox"/>
 LoginId	varchar(50)	<input type="checkbox"/>
Password	varchar(50)	<input type="checkbox"/>
Name	varchar(50)	<input type="checkbox"/>
EmailId	varchar(50)	<input type="checkbox"/>
IsActive	bit	<input checked="" type="checkbox"/>
Image	varbinary(MAX)	<input type="checkbox"/>
AccountType	varchar(50)	<input type="checkbox"/>

### **Procedures-**

CcpUserLogin,CCpActivateDeActivateUserAccount,CCpChangePassword,CCpCheckLoginIdAndEmailForChangePassword,CCpMyTutor,CCpSeachLogHistory,CCpSearchUserByAdmin,CCpTotalRegistration,CCpTutorProfileForStudent,CCpUpdateIsAstiveStatus, CCpUpdateProfile,CCpUserLogin, CCpUserSummary.

**Table 3- CCCityMaster**

ACER-PC\SQLXP...bo.CCCityMaster			
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	CityName	varchar(50)	<input type="checkbox"/>
	IsActive	bit	<input type="checkbox"/>
	StateId	bigint	<input type="checkbox"/>
			<input type="checkbox"/>

**Table 4- CCEnquiryResponses**

ACER-PC\SQLXP...nquiryResponses ACER-PC\SQLXP...bo.CCCityMaster			
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	EnquiryId	bigint	<input type="checkbox"/>
	Response	varchar(MAX)	<input type="checkbox"/>
	DateTime	datetime	<input type="checkbox"/>
	Status	bit	<input type="checkbox"/>
	PostedBy	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>


**Procedures-** CCpInsertIntoEnquiryResponses,CCpViewEnquiryResponse,CCpViewEnquiryResponse.

**Table 5- CCFeedBack**

ACER-PC\SQLXP... dbo.CCFeedBack ACER-PC\SQLXP...n			
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	LoginId	varchar(50)	<input checked="" type="checkbox"/>
	Message	varchar(MAX)	<input checked="" type="checkbox"/>
	FeedBackType	varchar(50)	<input checked="" type="checkbox"/>
	FeedBackDate	datetime	<input checked="" type="checkbox"/>
	Remark	varchar(MAX)	<input checked="" type="checkbox"/>
	IsApproved	bit	<input checked="" type="checkbox"/>
	ApprovedDate	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>


**Procedures-** CCpAdminResponse,CCpInsertIntoFeedBack,CCpViewFeedBack.

**Table 6- CCGroupRequest**

ACER-PC\SQLXP...CCGroupRequest			
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input type="checkbox"/>	
GroupId	bigint	<input type="checkbox"/>	
IsApproved	bit	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

**Procedure-** CCpApproveGroupRequest,CCpInsertIntoGroupRequest,CCViewRequestStatus.


**Table 7- CCLoginHistory**

ACER-PC\SQLXP...o.CCLoginHistory			
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input type="checkbox"/>	
IPAddress	varchar(50)	<input type="checkbox"/>	
LoginDateTime	datetime	<input type="checkbox"/>	
		<input type="checkbox"/>	

**Procedures-**

CCpCheckLastLogin,CCpInsertIntoLoginHistory,CCpSeachLogHistory,CCpweeklyLoginCounts.


**Table 8- CCQualificationDocumentDetails**

ACER-PC\SQLXP...DocumentDetails			
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input type="checkbox"/>	
Qualification	varchar(50)	<input checked="" type="checkbox"/>	
University	varchar(50)	<input checked="" type="checkbox"/>	
DocumentDescription	varchar(MAX)	<input checked="" type="checkbox"/>	
FileName	varchar(MAX)	<input checked="" type="checkbox"/>	
Icon	varchar(MAX)	<input checked="" type="checkbox"/>	
IdentityType	varchar(50)	<input checked="" type="checkbox"/>	
IdentityFileName	varchar(MAX)	<input checked="" type="checkbox"/>	
TypeOfDocument	varchar(50)	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

### **Procedures-**


CCpInsertQualificationDocuments, CCpQualificationViewDocuments, CCpRemoveIdentityDocuments, CCpRemoveQualificationDocuments, CCpUpdateTutorProfile, CCpViewQualificationInProfile, CCpViewTutorIdentity.

**Table 9- CCRating**

ACER-PC\SQLXPRESS5 - dbo.CCRating		ACER-PC\SQLXPRESS5 - d	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input type="checkbox"/>	
Rating	int	<input type="checkbox"/>	
TutorId	varchar(50)	<input type="checkbox"/>	
		<input type="checkbox"/>	


**Procedures-** CCpInsertRating, CCpStar.

**Table 10- CCRequestForAreaApproval**

ACER-PC\SQLXPRESS5 - ForAreaApproval		ACER-PC\SQLXPRESS5 - d	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input checked="" type="checkbox"/>	
SubjectArea	varchar(50)	<input checked="" type="checkbox"/>	
Approved	bit	<input checked="" type="checkbox"/>	
Remark	varchar(MAX)	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

**Procedure-** CCpInsertIntoCCRequestForAreaApproval, CCpUpdateRequestForAreaApproval.

**Table 11- CCSpecializationArea**

ACER-PC\SQLXPRESS5 - ecializationArea		ACER-PC\SQLXPRESS5 - Fo	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
SpecializationArea	varchar(50)	<input type="checkbox"/>	
		<input type="checkbox"/>	



**Table 12- CCSpecializationSubjects**

ACER-PC\SQLEXPRESS\CCSpecializationSubjects		SQLQuery1.sql - ACER-	
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	SpecializationSubjects	varchar(50)	<input type="checkbox"/>
	AreaId	bigint	<input type="checkbox"/>
			<input type="checkbox"/>

**Procedures-** CCpInsertIntoSpecializationSubjects.

**Table 13- CCStateMaster**

ACER-PC\SQLEXPRESS\CCStateMaster		ACER-PC\SQLEXPRESS\CCStateMaster	
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	StateName	varchar(50)	<input type="checkbox"/>
	IsActive	bit	<input type="checkbox"/>
			<input type="checkbox"/>


**Table 14- CCStudentClass**

ACER-PC\SQLEXPRESS\CCStudentClass		ACER-PC\SQLEXPRESS\CCStudentClass	
	Column Name	Data Type	Allow Nulls
PK	Id	bigint	<input type="checkbox"/>
	CreatedBy	varchar(50)	<input type="checkbox"/>
	GroupName	varchar(50)	<input type="checkbox"/>
	Status	bit	<input type="checkbox"/>
	Description	varchar(MAX)	<input type="checkbox"/>
			<input type="checkbox"/>

**Procedures-**


CCpActivateDeActivateGroup,CCpCreateStudentGroup,CCpMyGroup,CCpMyTutor,CCpTutorProfile  
ForStudent ,CCpViewGroupRequest, CCViewRequestStatus.

**Table 15- CCStudentEnquiry**

ACER-PC\SQLEXP...CStudentEnquiry		ACER-PC\SQLEXP...o.
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
LoginId	varchar(50)	<input type="checkbox"/>
TutorId	varchar(50)	<input type="checkbox"/>
Message	varchar(MAX)	<input type="checkbox"/>
DateTime	datetime	<input type="checkbox"/>
Status	bit	<input type="checkbox"/>
		<input type="checkbox"/>


**Procedures-** CCpInsertIntoEnquiry,CCpTotalEnquiry.

**Table 16- CCStudentGroup**

ACER-PC\SQLEXP...CCStudentGroup		ACER-PC\SQLEXP...C
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
StudentId	varchar(50)	<input checked="" type="checkbox"/>
GroupId	bigint	<input type="checkbox"/>
Status	bit	<input type="checkbox"/>
DateTime	datetime	<input type="checkbox"/>
AddedBy	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>


**Procedures-** CCpInsertIntoStudentGroup,CCpMyGroup,CCpMyTutor,CCpRemoveGroupMember, CCpStudentAssociatedWithTutor,CCpViewGroupMembers.

**Table 17- CCStudentInterest**

ACER-PC\SQLEXP...CStudentInterest		ACER-PC\SQLEXP...C
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
LoginId	varchar(50)	<input type="checkbox"/>
Area	varchar(50)	<input type="checkbox"/>
Subjects	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>


**Procedures-** CCpInsertintoStudentInterest,CCpStudentSearch,CCpStudentSearch.

**Table 18- CCToDoList**

ACER-PC\SQLEXPRESS...- dbo.CCToDoList		ACER-PC\SQLEXPRESS...CSt
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
LoginId	varchar(50)	<input type="checkbox"/>
ToDoItem	varchar(MAX)	<input type="checkbox"/>
Status	varchar(50)	<input type="checkbox"/>
MarkAsdone	bit	<input type="checkbox"/>


**Procedures-** CCpInsertIntoToDoList,CCpUpdateToDoListStatus.

**Table 19- CCTopicCategoryMaster**

ACER-PC\SQLEXPRESS...icCategoryMaster		ACER-PC\SQLEXPRESS...
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
Category	varchar(MAX)	<input type="checkbox"/>
Active	varchar(50)	<input type="checkbox"/>
CreatedOn	datetime	<input type="checkbox"/>
CreatedBy	varchar(50)	<input type="checkbox"/>


**Procedures-** CCpinsertIntoTopicCategory, CCpViewTopicMaster.

**Table 20- CCTopicComment**

ACER-PC\SQLEXPRESS...CCTopicComment		ACER-PC\SQLEXPRESS...icCate
Column Name	Data Type	Allow Nulls
 Id	bigint	<input type="checkbox"/>
Comment	varchar(MAX)	<input type="checkbox"/>
TopicId	bigint	<input type="checkbox"/>
PostedOn	datetime	<input type="checkbox"/>
PostedBy	varchar(50)	<input type="checkbox"/>

**Procedures-** CCpInsertIntoTopicComment,CCpViewMyResponses,CCpViewTopicComment.


**Table 21- CCTopicMaster**

ACER-PC\SQLEXP...bo.CCTopicMaster		ACER-PC\SQLEXP...	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
Topic	varchar(MAX)	<input type="checkbox"/>	
SubCategoryId	bigint	<input type="checkbox"/>	
PostedOn	datetime	<input type="checkbox"/>	
PostedBy	varchar(50)	<input type="checkbox"/>	
		<input type="checkbox"/>	

**Procedures-**


CCpInsertIntoTopicMaster,CCpMyTopicResponses,CCpTotalTopicPosts,CCpViewTopicComment, CCpViewTopicMaster.

**Table 22- CCTopicSubCategory**

ACER-PC\SQLEXP...opicSubCategory		ACER-PC\SQLEXP...bo.CC	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
SubCategory	varchar(MAX)	<input type="checkbox"/>	
Active	varchar(50)	<input type="checkbox"/>	
CreatedOn	datetime	<input type="checkbox"/>	
CreatedBy	varchar(50)	<input type="checkbox"/>	
MainCategoryId	bigint	<input type="checkbox"/>	
		<input type="checkbox"/>	

**Procedures-** CCpinsertIntoTopicSubCategory, CCpViewTopicMaster.

**Table 23- CCTutorSpecializationDetails**

ACER-PC\SQLEXPRES...ializationDetails		ACER-PC\SQLEXP...	
Column Name	Data Type	Allow Nulls	
 Id	bigint	<input type="checkbox"/>	
LoginId	varchar(50)	<input type="checkbox"/>	
SpecializationArea	varchar(50)	<input type="checkbox"/>	
Subjects	varchar(50)	<input type="checkbox"/>	
HourlyCharges	money	<input type="checkbox"/>	
SubjectDetails	varchar(MAX)	<input type="checkbox"/>	
Experience	varchar(50)	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

**Procedures-**

CCpInsertIntoTutorSpecializationDetails,CCpRemoveSubjects,CCpSearchTutor,CCpTutorExperience, CCpUpdateTutorProfile,CCpUpdateTutorSubjects.

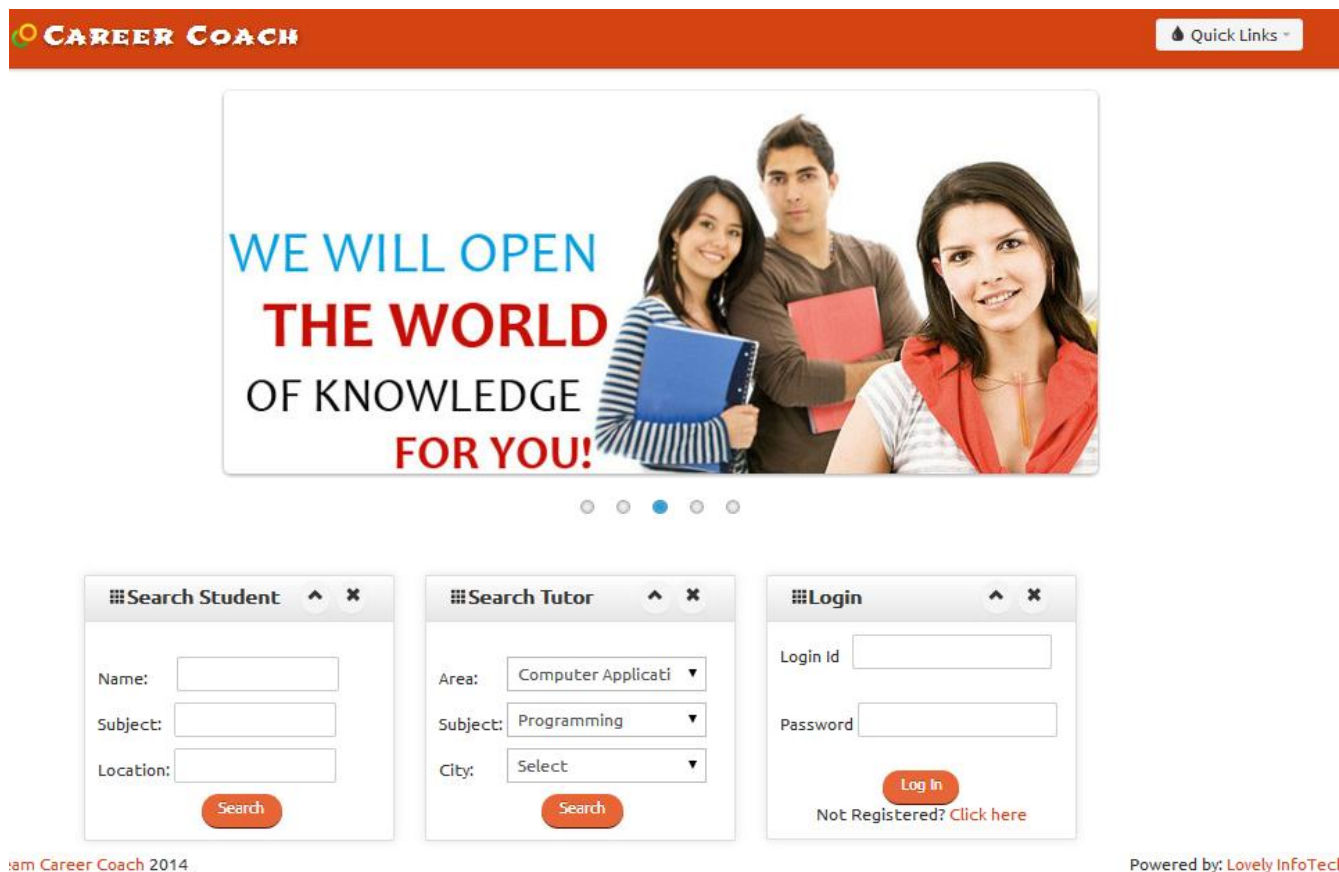
**Table 24- CCUserMessage**

ACER-PC\SQLEXP...o.CCUserMessage		SQLQuery2.sql - ACER-	
	Column Name	Data Type	Allow Nulls
▶	Id	bigint	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	EmailId	varchar(50)	<input type="checkbox"/>
	Message	varchar(MAX)	<input type="checkbox"/>
			<input type="checkbox"/>

**Procedures-** CCpInsertIntoUserMessage.

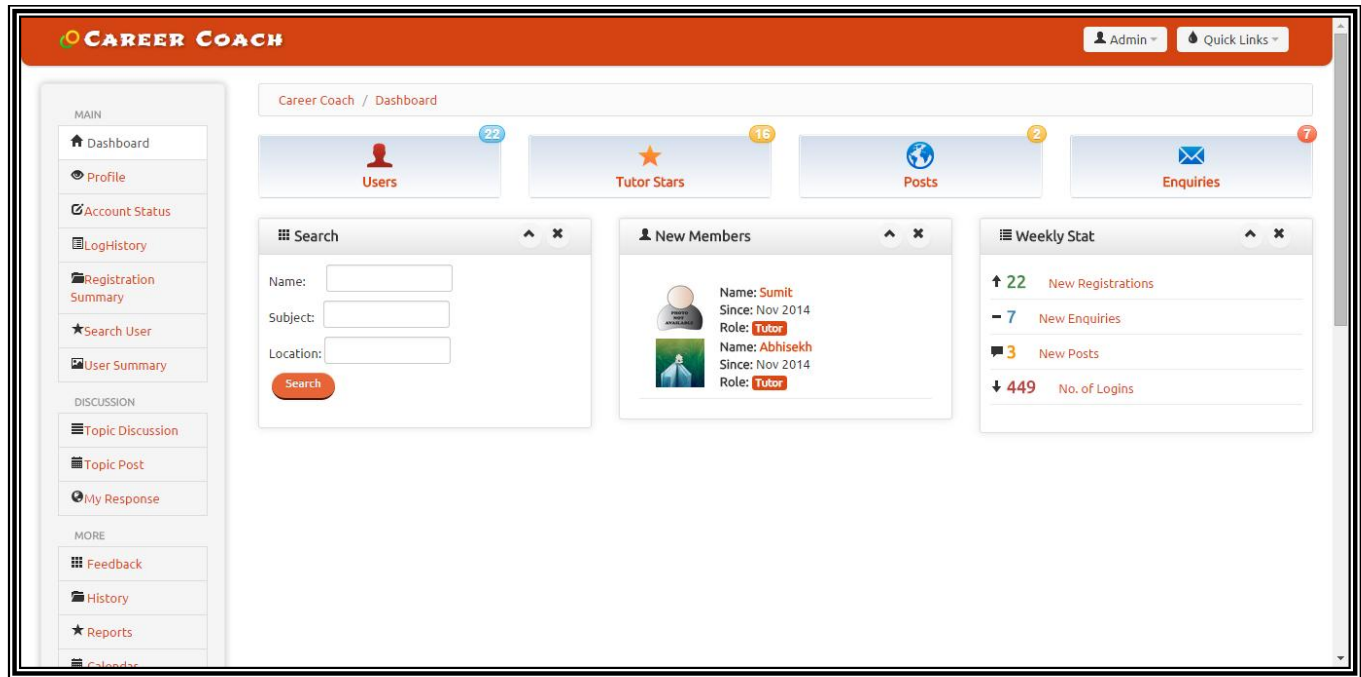
## 6.3- Interface Design

### a) HOME PAGE

The screenshot shows the home page of the 'CAREER COACH' website. At the top is an orange header bar with the 'CAREER COACH' logo on the left and a 'Quick Links' button on the right. Below the header is a large banner image featuring three smiling students (two women and one man) holding books. Overlaid on the left side of the banner is the text 'WE WILL OPEN THE WORLD OF KNOWLEDGE FOR YOU!' in blue and red. Below the banner are three main functional areas: 'Search Student' with input fields for Name, Subject, and Location; 'Search Tutor' with dropdown menus for Area (Computer Applicati), Subject (Programming), and City (Select); and a 'Login' section with input fields for Login Id and Password, a 'Log In' button, and a link for 'Not Registered? Click here'. The footer contains the text 'am Career Coach 2014' on the left and 'Powered by: Lovely InfoTect' on the right.

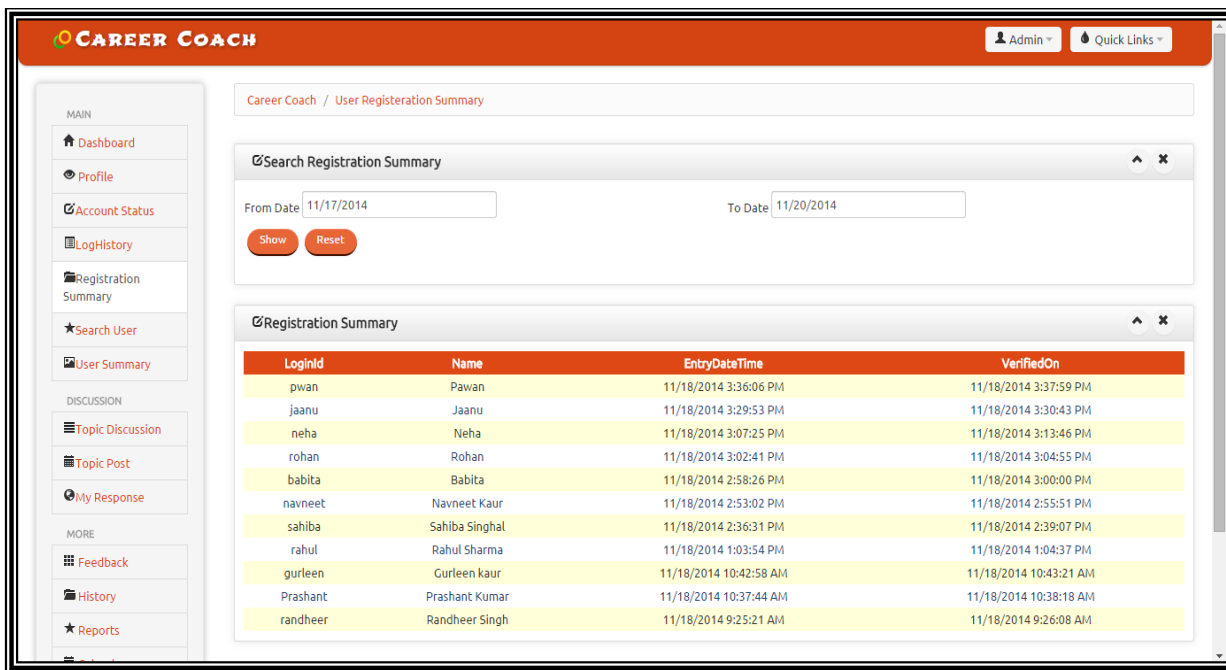
**DESCRIPTION-** This is home page and it consists of all the information about our website.

## b) ADMIN DASHBOARD-



**DESCRIPTION-** It is the Admin Dashboard and from this there are link for Activate and Deactivate the account.

c) **ADMIN REGISTRATION SUMMARY-**

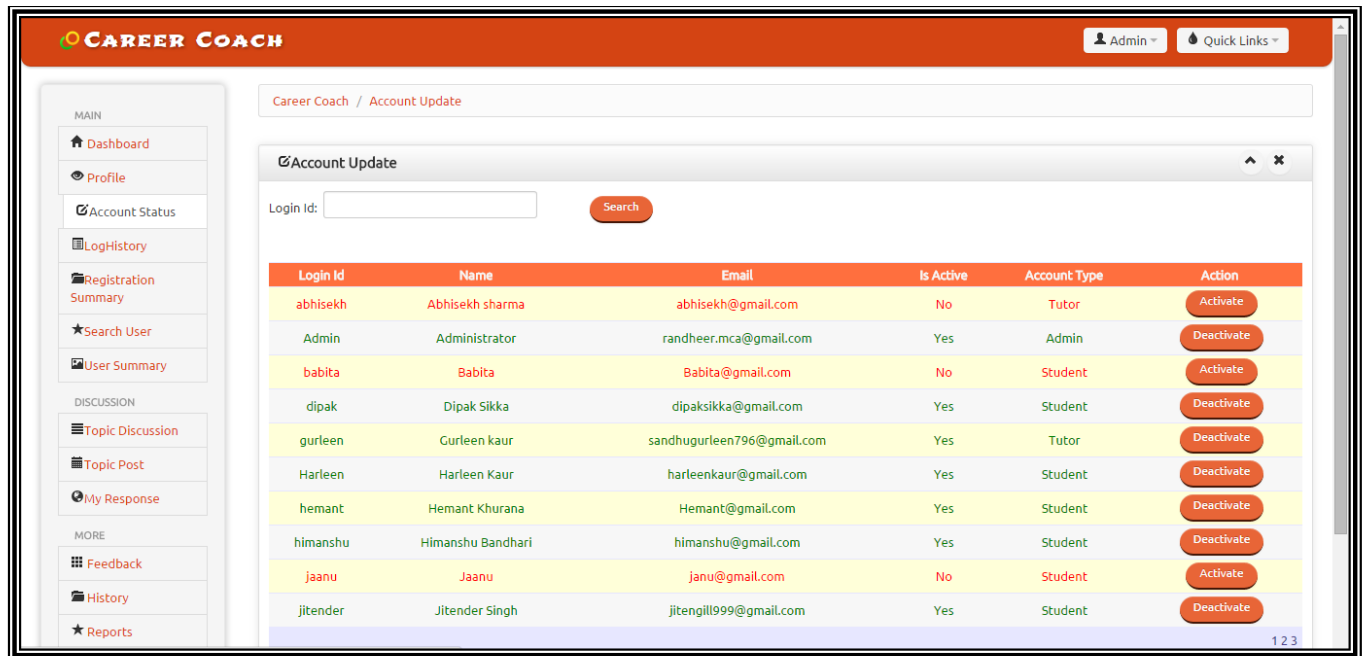


LoginId	Name	EntryDateTime	VerifiedOn
pwan	Pawan	11/18/2014 3:36:06 PM	11/18/2014 3:37:59 PM
jaanu	Jaanu	11/18/2014 3:29:53 PM	11/18/2014 3:30:43 PM
neha	Neha	11/18/2014 3:07:25 PM	11/18/2014 3:13:46 PM
rohan	Rohan	11/18/2014 3:02:41 PM	11/18/2014 3:04:55 PM
babita	Babita	11/18/2014 2:58:26 PM	11/18/2014 3:00:00 PM
navneet	Navneet Kaur	11/18/2014 2:53:02 PM	11/18/2014 2:55:51 PM
sahiba	Sahiba Singhal	11/18/2014 2:36:31 PM	11/18/2014 2:39:07 PM
rahul	Rahul Sharma	11/18/2014 1:03:54 PM	11/18/2014 1:04:37 PM
gurleen	Gurleen kaur	11/18/2014 10:42:58 AM	11/18/2014 10:43:21 AM
Prashant	Prashant Kumar	11/18/2014 10:37:44 AM	11/18/2014 10:38:18 AM
randheer	Randheer Singh	11/18/2014 9:25:21 AM	11/18/2014 9:26:08 AM

**DESCRIPTION-** It includes all the registration summary of users from the particular date to the particular date.



d) **ADMIN ACCOUNT STATUS-**



**Career Coach / Account Update**

Account Update

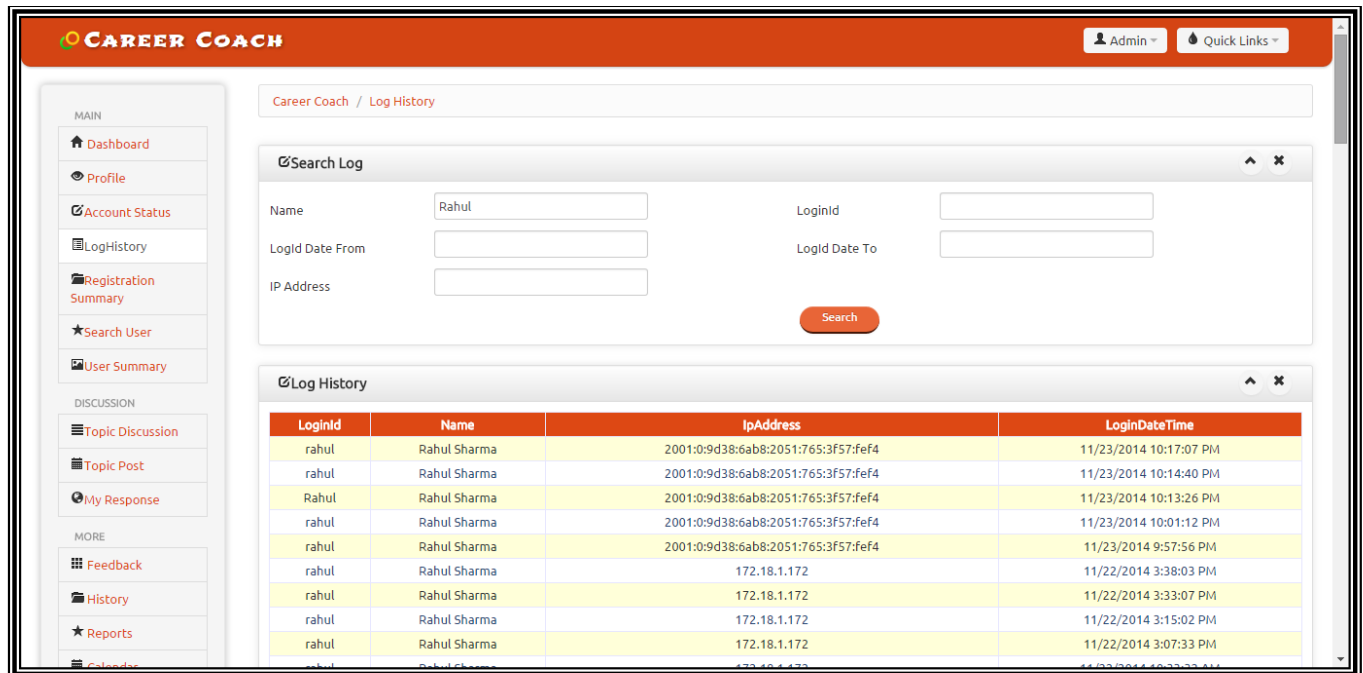
Login Id:

Login Id	Name	Email	Is Active	Account Type	Action
abhisekh	Abhisekh sharma	abhisekh@gmail.com	No	Tutor	<input type="button" value="Activate"/>
Admin	Administrator	randheer.mca@gmail.com	Yes	Admin	<input type="button" value="Deactivate"/>
babita	Babita	Babita@gmail.com	No	Student	<input type="button" value="Activate"/>
dipak	Dipak Sikka	dipaksikka@gmail.com	Yes	Student	<input type="button" value="Deactivate"/>
gurleen	Gurleen kaur	sandhugurleen796@gmail.com	Yes	Tutor	<input type="button" value="Deactivate"/>
Harleen	Harleen Kaur	harleenkaur@gmail.com	Yes	Student	<input type="button" value="Deactivate"/>
hemant	Hemant Khurana	Hemant@gmail.com	Yes	Student	<input type="button" value="Deactivate"/>
himanshu	Himanshu Bandhari	himanshu@gmail.com	Yes	Student	<input type="button" value="Deactivate"/>
jaanu	Jaanu	janu@gmail.com	No	Student	<input type="button" value="Activate"/>
jitender	Jitender Singh	jitengill999@gmail.com	Yes	Student	<input type="button" value="Deactivate"/>

1 2 3

**DESCRIPTION-** It is the page of account Updation like Admin can Activate user account and DeActivate user account

e) **ADMIN LOG HISTORY-**



**Career Coach / Log History**

**Search Log**

Name:  LoginId:

LogId Date From:  LogId Date To:

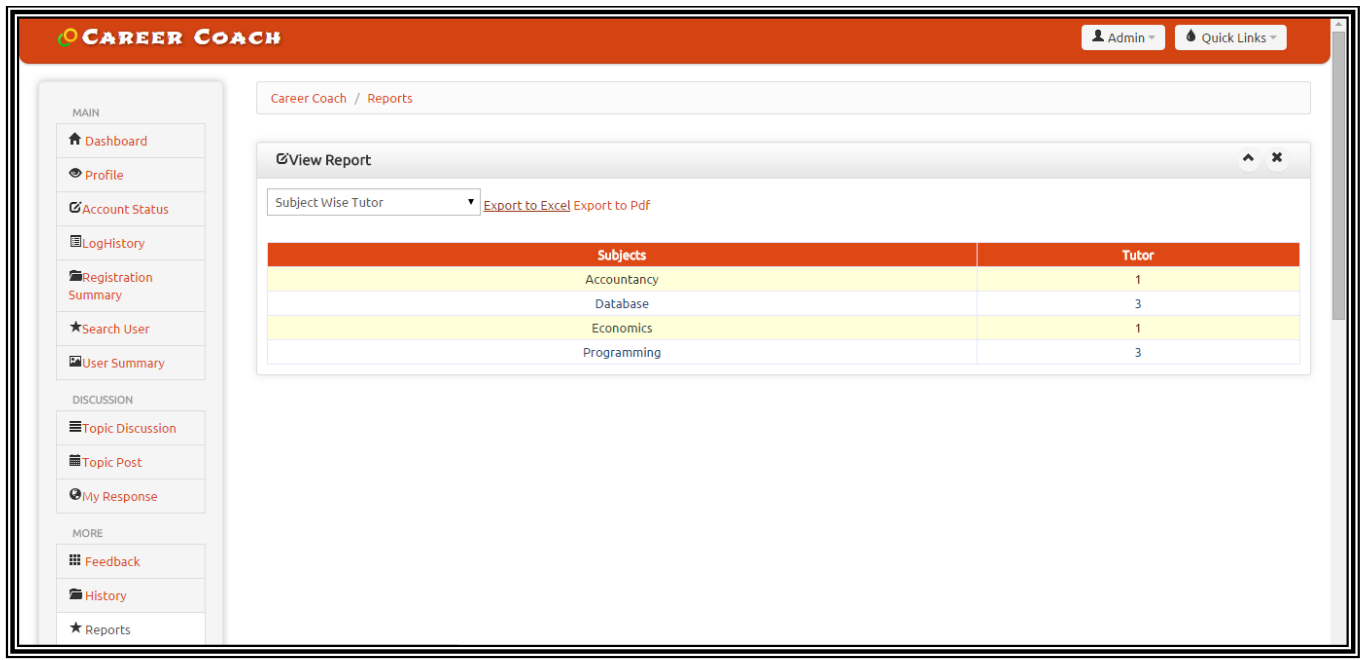
IP Address:

**Log History**

LoginId	Name	IpAddress	LoginDateTime
rahul	Rahul Sharma	2001:0:9d38:6ab8:2051:765:3f57:fe4	11/23/2014 10:17:07 PM
rahul	Rahul Sharma	2001:0:9d38:6ab8:2051:765:3f57:fe4	11/23/2014 10:14:40 PM
Rahul	Rahul Sharma	2001:0:9d38:6ab8:2051:765:3f57:fe4	11/23/2014 10:13:26 PM
rahul	Rahul Sharma	2001:0:9d38:6ab8:2051:765:3f57:fe4	11/23/2014 10:01:12 PM
rahul	Rahul Sharma	2001:0:9d38:6ab8:2051:765:3f57:fe4	11/23/2014 9:57:56 PM
rahul	Rahul Sharma	172.18.1.172	11/22/2014 3:38:03 PM
rahul	Rahul Sharma	172.18.1.172	11/22/2014 3:33:07 PM
rahul	Rahul Sharma	172.18.1.172	11/22/2014 3:15:02 PM
rahul	Rahul Sharma	172.18.1.172	11/22/2014 3:07:33 PM

**DESCRIPTION-** It includes login history of the user that when the login is done and with whom IP address it is done.

f) **ADMIN REPORT-**

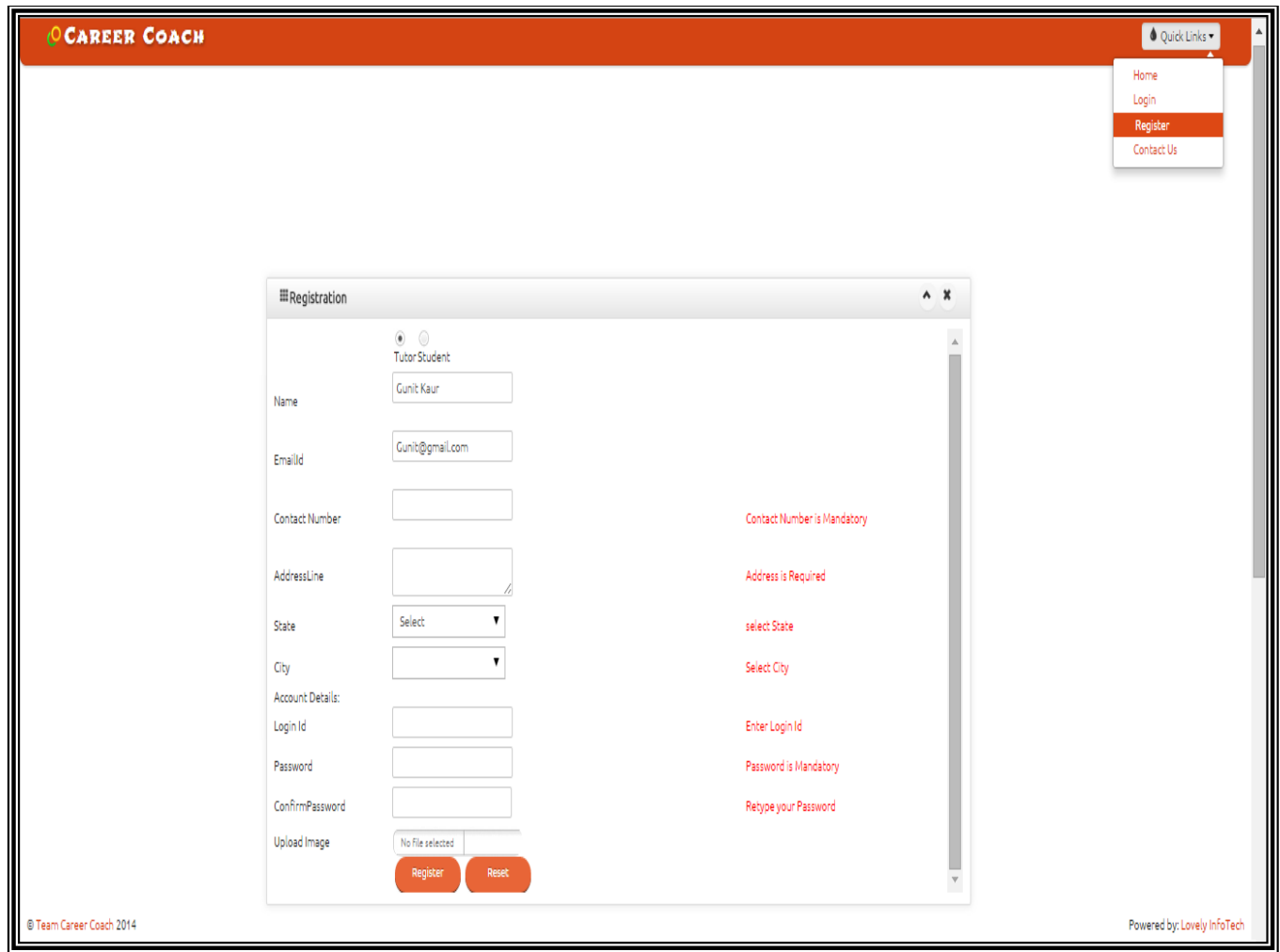


The screenshot displays the 'Career Coach' admin interface. The top navigation bar is orange with the 'CAREER COACH' logo on the left and 'Admin' and 'Quick Links' on the right. A sidebar on the left contains a 'MAIN' section with links to Dashboard, Profile, Account Status, LogHistory, Registration Summary, Search User, and User Summary. Below this is a 'DISCUSSION' section with Topic Discussion, Topic Post, and My Response. A 'MORE' section at the bottom includes Feedback, History, and Reports. The main content area shows a breadcrumb 'Career Coach / Reports' and a 'View Report' window. Inside this window, a dropdown menu is set to 'Subject Wise Tutor', with links for 'Export to Excel' and 'Export to Pdf'. Below this is a table with two columns: 'Subjects' and 'Tutor'.

Subjects	Tutor
Accountancy	1
Database	3
Economics	1
Programming	3

**DESCRIPTION-** It includes information about the user according to the Account type wise no. of user, Month wise no. of registration, Date wise login, Group wise student, Subject wise tutor. Then, user can download the file in the form of excel and pdf.

g) **REGISTRATION-**



**CAREER COACH** Quick Links

- Home
- Login
- Register**
- Contact Us

**Registration**

☒ Tutor ☐ Student

Name:

EmailId:

Contact Number:  Contact Number is Mandatory

AddressLine:  Address is Required

State:  select State

City:  Select City

Account Details:

LoginId:  Enter LoginId

Password:  Password is Mandatory

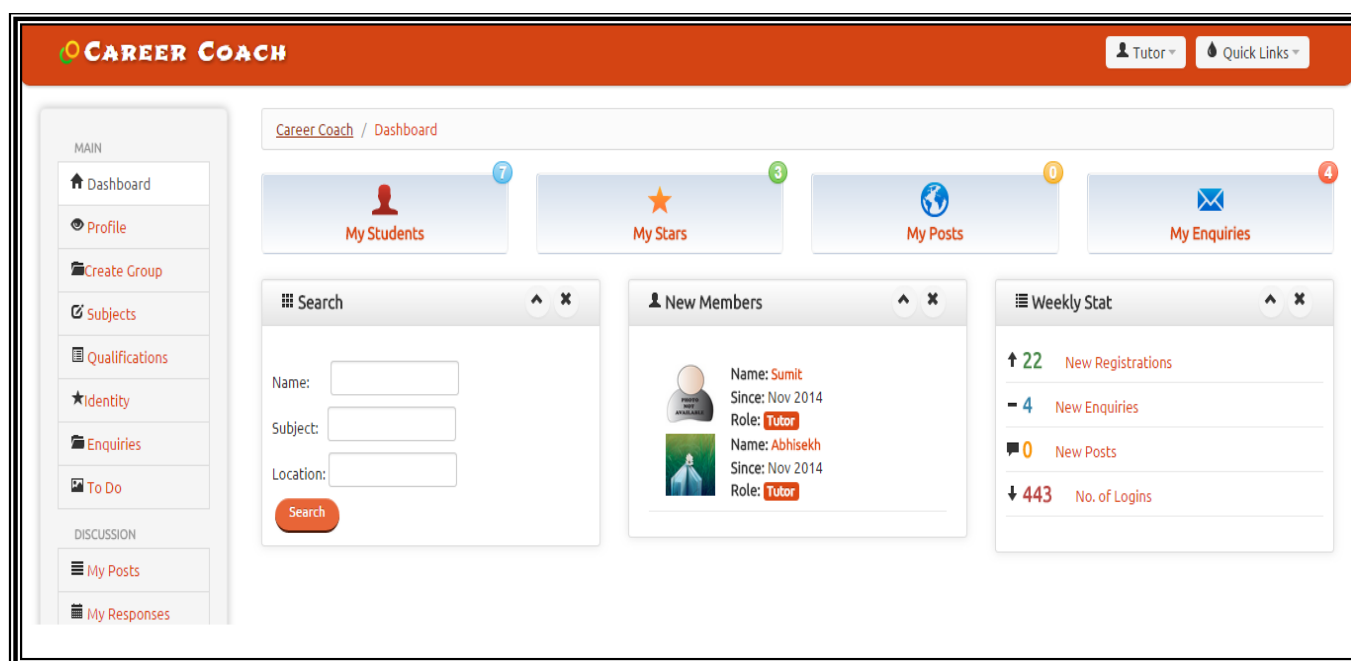
ConfirmPassword:  Retype your Password

Upload Image:

© Team Career Coach 2014 Powered by: Lovely InfoTech

**DESCRIPTION-** It includes registration of the user by filling all the information. User can make account as a tutor or student.

## h) TUTOR DASHBOARD-

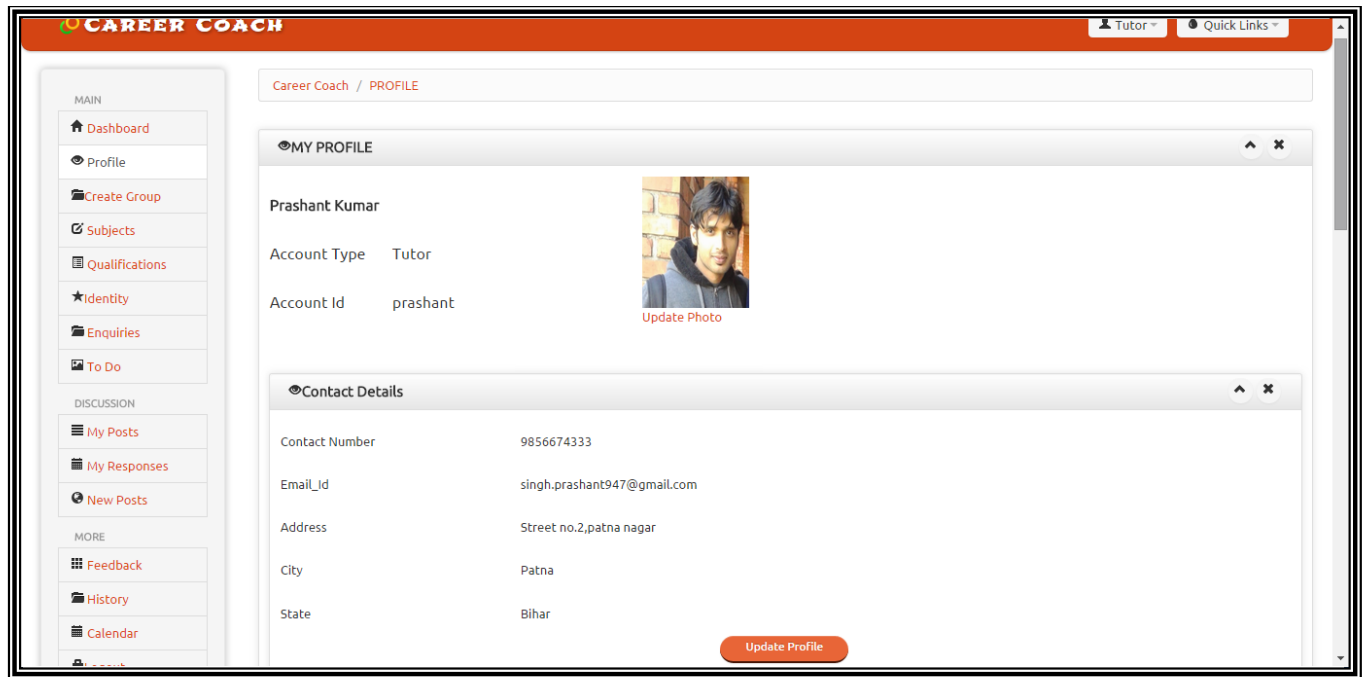


The screenshot displays the 'Career Coach' Tutor Dashboard. The interface includes a top navigation bar with the 'Career Coach' logo, a user profile dropdown (Tutor), and a 'Quick Links' menu. A left sidebar contains a 'MAIN' menu with options: Dashboard, Profile, Create Group, Subjects, Qualifications, Identity, Enquiries, and To Do. Below this is a 'DISCUSSION' menu with 'My Posts' and 'My Responses'. The main content area features a breadcrumb trail 'Career Coach / Dashboard' and four summary cards: 'My Students' (7), 'My Stars' (3), 'My Posts' (0), and 'My Enquiries' (4). Below these cards are three widgets: a 'Search' form with fields for Name, Subject, and Location; a 'New Members' list showing two users (Sumit and Abhisekh, both Tutors); and a 'Weekly Stat' summary table.

Weekly Stat	
↑ 22	New Registrations
- 4	New Enquiries
0	New Posts
↓ 443	No. of Logins

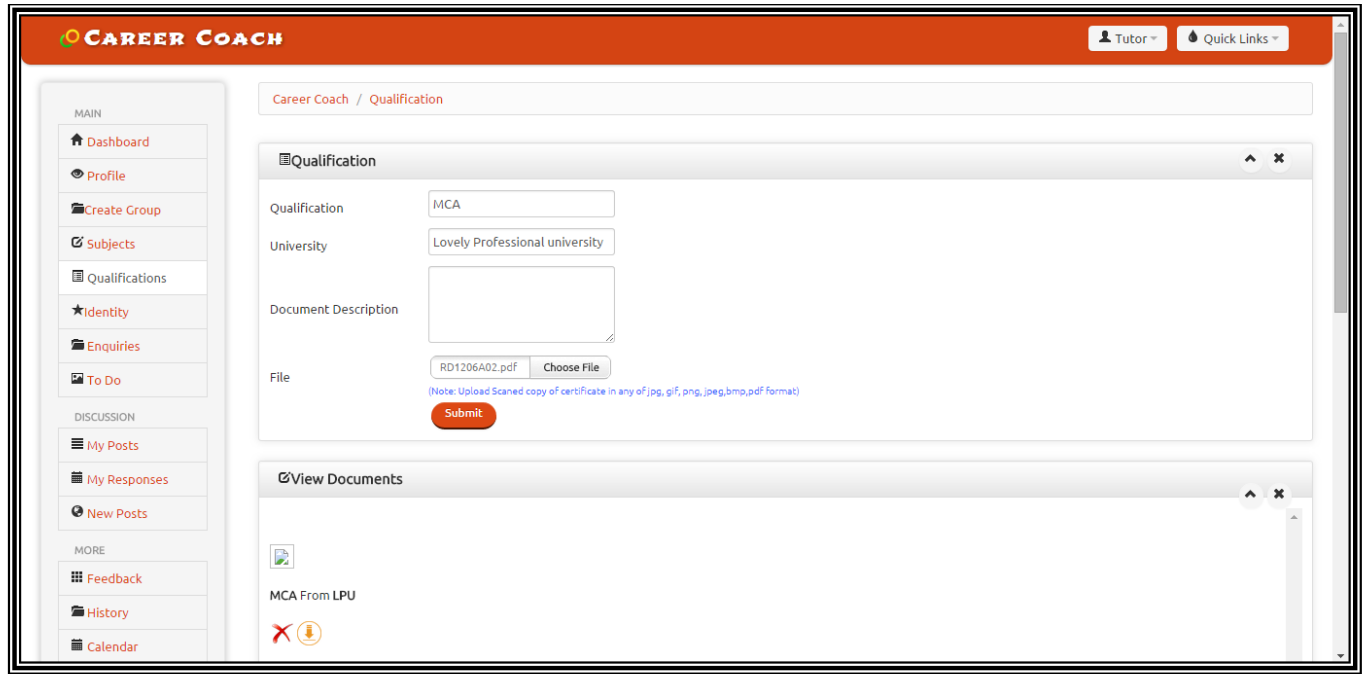
**DESCRIPTION-** This is the Tutor page and tutor can search Student ,Check their stars, tutor can check their posts and tutor can check their students.

i) **TUTOR PROFILE-**



**DESCRIPTION-** This Page shows all the Details Related to Tutor like Qualifications details, Experiences, Contact details.

j) **TUTOR QUALIFICATION-**



The screenshot shows the 'Career Coach' interface. On the left is a sidebar with navigation links: Dashboard, Profile, Create Group, Subjects, Qualifications, Identity, Enquiries, To Do, My Posts, My Responses, New Posts, Feedback, History, and Calendar. The main content area is titled 'Career Coach / Qualification'. It contains a 'Qualification' form with fields for 'Qualification' (MCA), 'University' (Lovely Professional university), and 'Document Description'. Below these is a 'File' upload section with a text input 'RD1206A02.pdf', a 'Choose File' button, and a 'Submit' button. A note states: '(Note: Upload Scanned copy of certificate in any of .jpg, .gif, .png, .jpeg, .bmp, .pdf format)'. Below the form is a 'View Documents' section showing a document titled 'MCA From LPU' with a download icon.

**DESCRIPTION-** Tutor can Upload their Qualification for student and Student can download the file.

## k) TUTOR SUBJECT-

CAREER COACH

Tutor Quick Links

MAIN

Dashboard

Profile

Create Group

Subjects

Qualifications

Identity

Enquiries

To Do

DISCUSSION

My Posts

My Responses

New Posts

MORE

Feedback

History

Calendar

Career Coach / Subjects

Add Subject

Specialization Area

Computer Application

Add New Area

Subjects

Database

Add New Subject

Hourly Rates(Charges)

200

Subjects Details

Prodedure

Submit

Reset

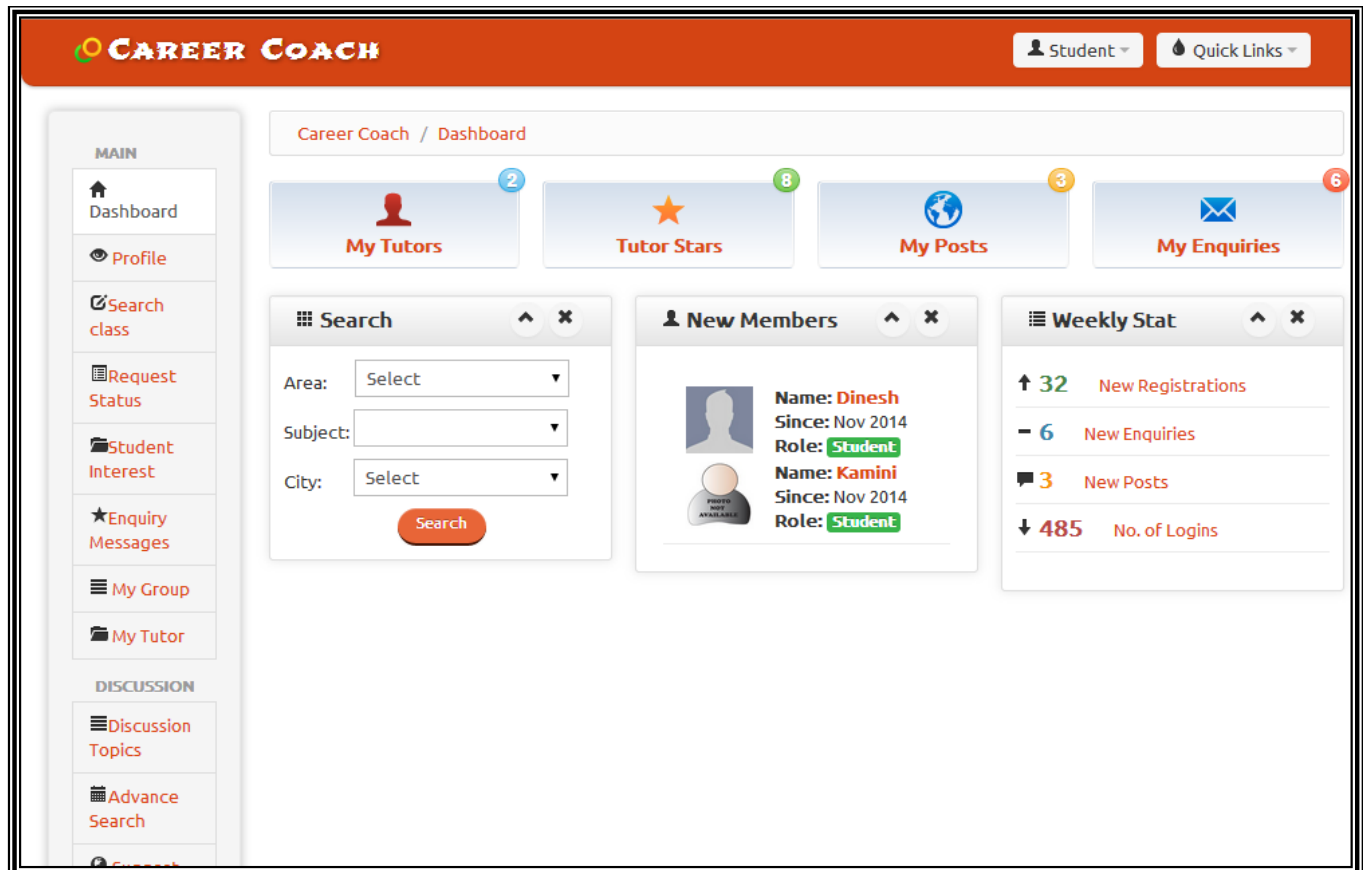
My Subject

Area	Subject	Charges	Details
Computer Application	Database	500.0000	Functuions
Computer Application	Programming	500.0000	Methods

**DESCRIPTION-** In this module, tutor can add their subjects and fees charges according to their subject.



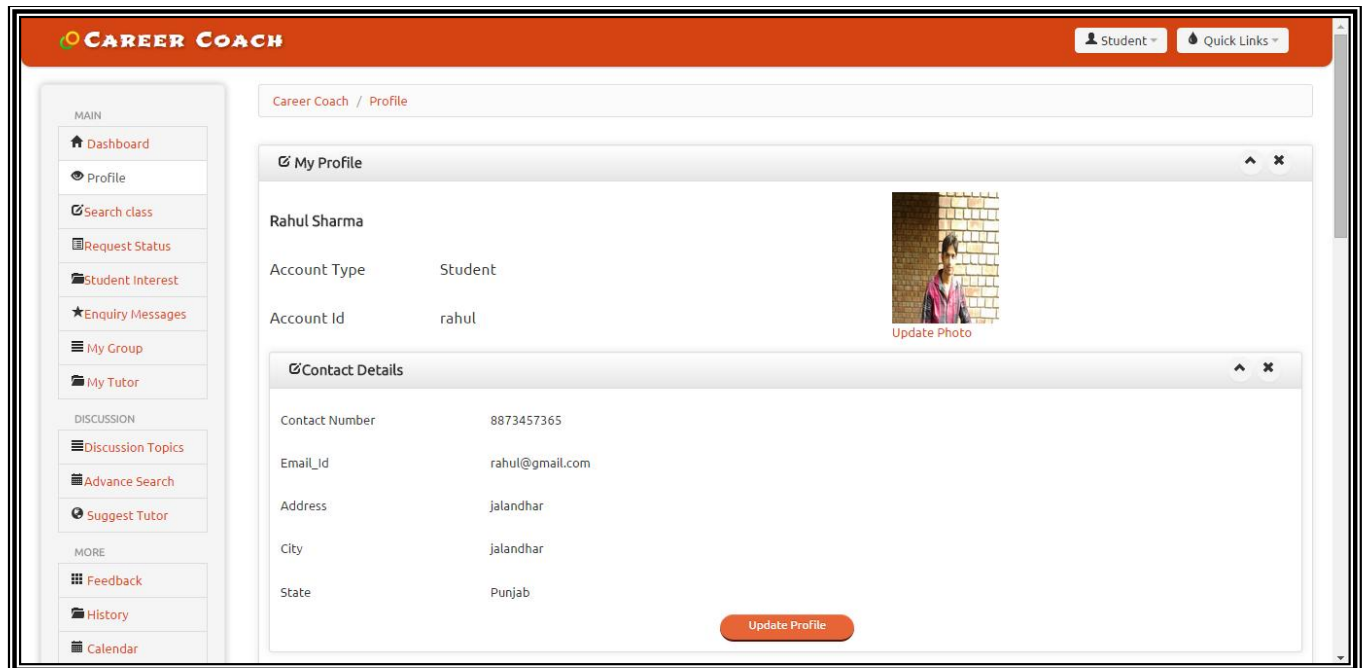
## I) STUDENT DASHBOARD-



The screenshot displays the 'Career Coach' student dashboard. The interface includes a top navigation bar with the 'CAREER COACH' logo, a user profile dropdown set to 'Student', and a 'Quick Links' menu. A left sidebar lists navigation options under 'MAIN' (Dashboard, Profile, Search class, Request Status, Student Interest, Enquiry Messages, My Group, My Tutor) and 'DISCUSSION' (Discussion Topics, Advance Search). The main content area, titled 'Career Coach / Dashboard', features four summary cards: 'My Tutors' (2), 'Tutor Stars' (8), 'My Posts' (3), and 'My Enquiries' (6). Below these are three panels: a 'Search' panel with filters for Area, Subject, and City; a 'New Members' panel listing 'Dinesh' and 'Kamini' (both Students since Nov 2014); and a 'Weekly Stat' panel showing 32 new registrations, 6 new enquiries, 3 new posts, and 485 logins.

**DESCRIPTION-** This the student dashboard from this dashboard student can search tutor, view their tutor, check their tutor stars.

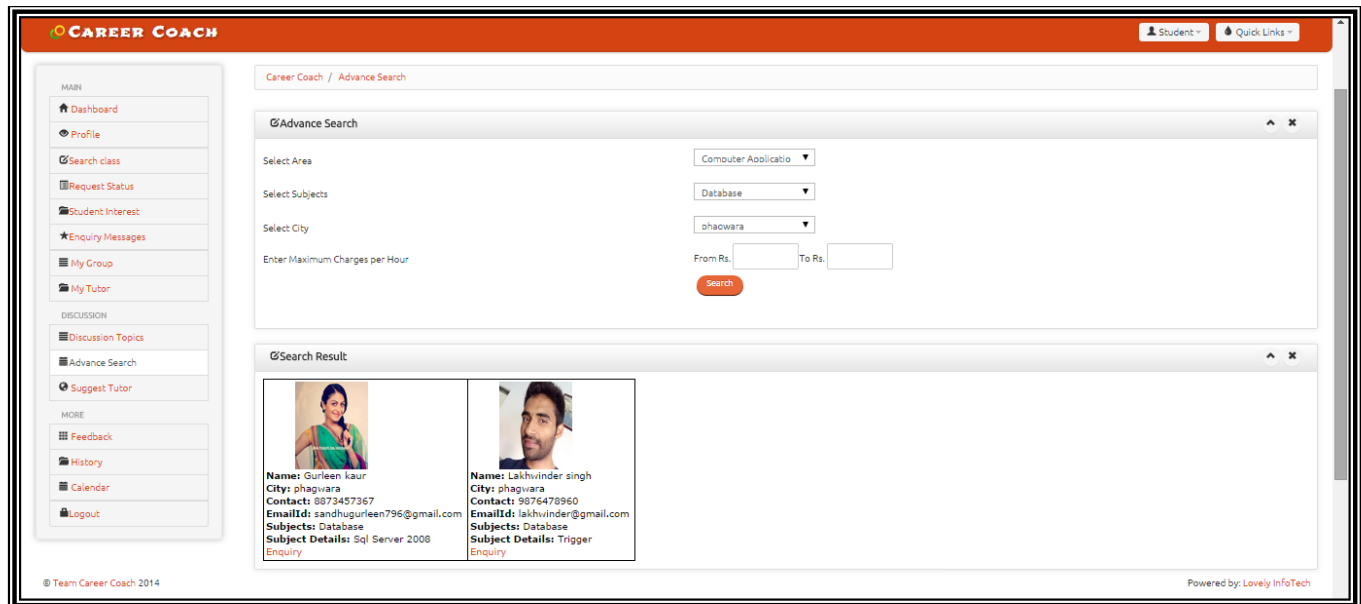
m) **STUDENT PROFILE-**



The screenshot shows the 'Career Coach' web application interface. The top navigation bar is orange with the 'CAREER COACH' logo on the left and 'Student' and 'Quick Links' dropdown menus on the right. A left sidebar contains a 'MAIN' menu with links: Dashboard, Profile, Search class, Request Status, Student Interest, Enquiry Messages, My Group, and My Tutor. Below this is a 'DISCUSSION' menu with links: Discussion Topics, Advance Search, and Suggest Tutor. At the bottom is a 'MORE' menu with links: Feedback, History, and Calendar. The main content area has a breadcrumb 'Career Coach / Profile'. It features two expandable panels. The first panel, 'My Profile', shows the name 'Rahul Sharma', 'Account Type' as 'Student', and 'Account Id' as 'rahul'. It includes a photo of a student with a red 'Update Photo' button below it. The second panel, 'Contact Details', shows 'Contact Number' as '8873457365', 'Email\_Id' as 'rahul@gmail.com', 'Address' as 'jalandhar', 'City' as 'jalandhar', and 'State' as 'Punjab'. An orange 'Update Profile' button is located at the bottom right of the contact details panel.

**DESCRIPTION-** This is the student profile student can update their image,update their Contact details .

n) **STUDENT ADVANCE SEARCH-**



The screenshot displays the 'Career Coach' web application interface. The top navigation bar is orange with the 'CAREER COACH' logo on the left and 'Student' and 'Quick Links' on the right. A left sidebar contains a 'MAIN' menu with links: Dashboard, Profile, Search class, Request Status, Student Interest, Enquiry Messages, My Group, and My Tutor. Below this is a 'DISCUSSION' section with links: Discussion Topics, Advance Search, and Suggest Tutor. At the bottom of the sidebar is a 'MORE' section with links: Feedback, History, Calendar, and Logout. The main content area is titled 'Career Coach / Advance Search'. It features a 'Advance Search' form with the following fields: 'Select Area' (dropdown menu showing 'Computer Application'), 'Select Subjects' (dropdown menu showing 'Database'), 'Select City' (dropdown menu showing 'phagwara'), and 'Enter Maximum Charges per Hour' (text input with 'From Rs.' and 'To Rs.' sub-inputs). A red 'Search' button is located below the form. Below the search form is a 'Search Result' section displaying two tutor profiles. The first profile is for Gurleen kaur, a woman with a green and yellow sari, with details: Name: Gurleen kaur, City: phagwara, Contact: 9873457367, EmailId: sandhugurleen796@gmail.com, Subjects: Database, Subject Details: Sql Server 2008, and Enquiry. The second profile is for Lakhvinder singh, a man with a beard, with details: Name: Lakhvinder singh, City: phagwara, Contact: 9876478960, EmailId: lakhvinder@gmail.com, Subjects: Database, Subject Details: Trigger, and Enquiry. The footer of the page shows '© Team Career Coach 2014' on the left and 'Powered by: Lovely InfoTech' on the right.

**DESCRIPTION-** This is the student Advance search page student search tutor according to Subject, name, Area, City and fee.



## 7. TESTING-

Software testing is an investigation conducted to provide information about the quality of the product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks at the software implementation. Software testing is any activity aimed at evaluating an attribute or capability of a program or system and determining that it meets its required results. Software Testing is the process of executing a program or system with the intent of finding errors. Software testing can also be stated as the process of validating and verifying that a software program/application/product:

FUNCTIONALITY (EXTERIOR QUALITY)	ENGINEERING (INTERIOR QUALITY)	ADAPTABILITY (FUTURE QUALITY)
CORRECTNESS EFFICIENCY FLEXIBILITY RELIABILITY	TESTABILITY REUSABILITY USABILITY	DOCUMENTATION MAINTAINABILITY INTEGRITY STRUCTURE

**Table 1: Typical Software quality factors**

### Testing Objectives:

The main objectives of testing is to uncover a host of errors, systematically and with minimum effort and time, starting formally, we can say,

1. Testing is the process of executing a program with the intent of finding errors.
2. *A successful test is one that uncovers an as yet of finding errors.*
3. *A good test case is one that has a high probability of finding errors, if it exists.*
4. *The tests are independent to detect possible errors.*
5. The software more or less confirms to the quality and reliable standards.

### Levels of Testing

#### 1. Unit Testing:

- a) Unit Testing is primarily carried out by the developers.
- b) It deals with the functional correctness and the completeness of individual program units.
- c) White box testing methods are employed.

#### 2. Integration testing:

- a) It deals when several program units are integrated.
- b) **Regression Testing:** Change of behavior due to modification or addition is called 'Regression'; it is used to bring changes from worst to least.

- c) **Incremental Integration Testing:** Checks out for bugs which encounter when a module has been integrated to the existing.
- d) **Smoke Testing:** It is the battery of test which checks the basic functionality of program. It fails then the program is not sent for further testing.

### 3. System Testing:

- a) It deals with testing the whole program system for its intended purpose.
- b) **Recovery Testing:** System is forced to fail and checked out how well the system recovers the failure.
- c) **Security Testing:** Checks the capability of system to defend itself from hostile attack on programs and data.
- d) **Load and Stress Testing:** The system is tested for max load and extreme stress points are figured out.
- e) **Performance Testing:** Used to determine the processing speed.
- f) **Installation Testing:** Installation and uninstallation is checked out in the target platform.

### 4. Acceptance Testing:

- a) **UAT** ensures that the project satisfies the customer requirements.
- b) **Alpha Testing:** It is the test done by the client at the developer's site.
- c) **Beta Testing:** It is the test done by the end user at the client's site.

#### (a) Alpha Testing:

Alpha testing is testing of an application when development is about to complete. Minor design changes can still be made as a result of alpha testing. Alpha testing is typically performed by a group that is independent of the design team, but still within the company, e.g. in-house software test engineers, or software QA engineers.

#### (b) Beta Testing:

Beta testing is testing of an application when development and testing are essentially completed and final bugs and problems need to be found before the final release. Beta testing is typically performed by end-users or others, not programmers, software engineers or test engineers.

## 8- TEST CASES

### MODULE-1 (USER REGISTRATION FORM)-

<u>TEST SUIT ID</u>	<u>CREATED BY</u>	<u>CREATED ON</u>
Career Coach	Sahiba Singhal	31-10-2014
IMPLEMENTED BY: Sahiba Singhal		IMPLEMENTED ON: 02-11-2014

#### Pre-Requisites:

##### Radio Button:

Valid Class: User must select one radio button at a time.

Invalid Class: button can be left empty.

##### Name:

Valid Classes: A-Z,a-z,spaces,Numeric(0-9).

Valid Range: Min-1, Max- 25. Please Enter a Name.

Invalid Classes: Special characters,Alphanumeric values,Float values,Fraction values.

Invalid range: Less than 1 & more than 25.

##### Email:

Valid Classes: A-Z,a-z,Numeric,Alphanumeric values,Float values,Special characters: . \_ @

Valid Range: Max:50.Email id is mandatory.

Invalid Classes:Special characters except: . \_ @,Fraction values, Email Id without domain,Uppor or lower case with space,Registration through one id is done then,again user can't use that id.

Invalid Range: More than 50.

##### Contact Number:

Valid Classes:Numeric values(0-9).

Valid Range: Fix-10.Contact number is mandatory.

Invalid Classes:Alphanumeric,Special characters,Float values,Fraction values,A-Z,a-z,Alphanumeric with special characters.

Invalid Range:Less than 10 or more than 10.

##### Address Line:

Valid Classes:A-Z,a-z,Spaces,Numeric,Float Values ,Alphanumeric,Special characters: # - . / ( ) [ ],Alphanumeric with special characters.

Valid Range: Min-1, Max:200.Address is Required.

Invalid Classes:Fraction values,Special characters except: # - . / ( ) [ ]

Invalid Range: Less than 1 & more than 200.

**State:**

Valid Class: User must select State.

Invalid Class: Field can not be left empty.

**City:**

Valid Class: User must select City.

Invalid Class: Field can not be left empty.

**Account Details-**

**Login Id:**

Valid classes: A-Z, a-z, Numeric(0-9), Alphanumeric.

Valid Range: Min-1, Max-20. Enter login id.

Invalid Classes: Special characters, Float values, Fraction values, Alphanumeric with special characters, Special characters with alphabetic values, Spaces.

Invalid Range: Less than 1 & more than 20.

**Password:**

Valid Classes: A-Z, a-z, Spaces, Numeric, Alphanumeric values, Float values, Numeric(0-9), Encrypted password.

Valid Range: Min-6, Max-20. Password is mandatory.

Invalid Class: Spaces, Decrypted Password.

Invalid Range: Less than 6 & more than 20.

**Confirm Password:**

Valid Classes: A-Z, a-z, Numeric, Alphanumeric values, Float values, Numeric(0-9) Encrypted password..

Valid Range: Min-6, Max-20. Retype your Password.

Invalid Class: Spaces, Correct password with incorrect confirm password, Decrypted password..

Invalid Range: Less than 6 & more than 20.

**Upload Image:**

Valid Class: User must select an image.

Invalid Class: Field can not be left empty.

**Register Button:**

Valid Class: After filling all information click on register button.

Invalid Classes: Without selecting any information or one information.

<b><u>Test Case ID</u></b>	<b><u>Description</u></b>	<b><u>Expected Result</u></b>	<b><u>Actual Result</u></b>	<b><u>Remarks</u></b>
TC Reg01	Don't Select radio button for type of user field.	It must be display validation error message.(Please Select the Type of User).	It is displaying validation error message.(Please Select the Type of User).	Pass.





TC Reg02	Select radio button for type of user field.	It must be selected.	It is accepted.	Pass.
TC Reg03	Input any special character with alphabetic value(e.g.-@sa) in "Name" field.	These are not allowed to enter special characters & it must display a validation error message.(Enter correct Name).	User are not allowed to enter special characters.( Enter correct Name message is displayed).	Pass.
TC Reg04	Input any alphanumeric values(0-9)(e.g.-As123) in "Name" field.	Alphanumeric must not allowed to be entered. It must display an error message.(Only alphabet required.)	Alphanumeric values are not allowed to be entered. It is displaying an error message.( Only alphabet required).	Pass.
TC Reg05	Input any Float values(e.g.- 2.2) in "Name" field.	Float values must not be allowed. It must display a validation error message. (Only alphabet required message.)	Float values are not allowed. It is displaying a validation error message. (Only alphabet required message.)	Pass.
TC Reg06	Input Fraction values(e.g.- 4/8) in "Name" field.	Fraction values must not be allowed to be entered. It must display a validation error message.(Only alphabet required message.)	Fraction values are not allowed to be entered. It is displaying a validation error message.(Only alphabet required message.)	Pass.
TC Reg07	Input any characters less than 1 or more than 25.	It must not be allowed to enter less than 1 or more than 25 characters.	It is not allowed to enter less than 1 or more than 25 characters.	Pass.
TC Reg08	Input any upper case character value(e.g.- AD) in "Name" field.	Upper case must be accepted.	Upper case are allowed.	Pass.
TC Reg09	Input any lower case character(e.g.- ar) value in "Name" field.	Lower case must be accepted.	Lower case are allowed.	Pass.
TC Reg10	Input any lower case or upper case multiple strings with one spaces(e.g.- sw ty) in "Name" field.	Lower or upper case multiple strings with one spaces must be accepted.	Lower or upper case multiple strings with one spaces are allowed.	Pass.
TC Reg11	Input numeric values(0-9)(e.g.- 45) in the "Name" field.	It must be allowed to enter numeric value(0-9) in "Name" field.	It is allowed to enter numeric value(0-9) in "Name" field.	Pass.
TC Reg12	Input any characters within range of(1-25) in "Name" field.	It must be allowed to be entered only range of (1-25) characters.	It is allowed to be entered only range of (1-25) characters.	Pass.
TC Reg13	Input only upper or lower case character with spaces in "Email" field.	Lower or upper case characters with spaces must not be accepted. It must shown a validation error message.(Enter Email in correct format).	It is not accepting the lower or upper case with spaces. It is displaying an error.(Enter Email in Correct Format).	Pass.

TC Reg14	Input any special characters: other than . _ & @ with alphabetic values(e.g.-a%) in “Email” field.	Special characters other than . _ & @ must not be accepted and it must shown a validation error message.(Enter Email in correct format).	Special characters other than . _ & @ are not allowed and it is displaying a validation error message.(Enter Email in correct format).	Pass.
TC Reg15	Input any number of character less than 1 or more than 50 in “Email” field..	Characters must not be accepted less than 1 or more than 50.It must display a validation error message.(Enter Email in correct format).	Characters are not allowed less than 1 or more than 50.It is displaying a validation error message.(Enter Email in correct format).	Pass.
TC Reg16	Registration through one Email id is done earlier. Then,again user is registering with same Email Id.	It must display a error message. It will not be allowed to register more than one time with same Email Id .	It is not allowing to register more than one time with same Email Id.	Pass.
TC Reg17	Input only id without domain.	It will not accept id without domain. It must display a validation error message.(Enter Email in correct format).	It is not accepting id without domain. It is displaying a validation error message.(Enter Email in correct format).	Pass.
TC Reg18	Input any Fraction values(e.g.-6/5) in “Email Id” field.	Fraction values must not be accepted. It must display a validation error message.( Enter Email In Correct Format ).	It is not allowing fraction values and is display a validation error message.( Enter Email In Correct Format ).	Pass.
TC Reg19	Input only lower case character values(e.g.-er) in “Email Id” field.	Lower case must be accepted.	Lower case are accepted.	Pass.
TC Reg20	Input only upper case character values(e.g.-ET) in “Email Id” field.	Upper case must be accepted.	Upper case are accepted.	Pass.
TC Reg21	Input any(0-9) number (e.g.- 432) in “Email Id” field.	Numbers must be allowed to be entered.	Numbers are allowed to be entered.	Pass.
TC Reg20	Input special characters: . _ @ with alphabetic values(e.g.-se@gmail.com) in “Email Id” field.	Special characters : . _ @ must be allowed to be entered.	Special characters : . _ @ are allowed to be entered.	Pass.
TC Reg21	Input any alphanumeric values(e.g.- as23) in “Email Id” field.	Alphanumeric values must be allowed to be entered.	Alphanumeric values are allowed to be entered.	Pass.
TC Reg22	Input any Float values(e.g.-4.6) in	Float values must be accepted.	Float values are allowed.	Pass.

	"Email Id" field.			
TC Reg23	Input any number of character within range (1-50) in "Email Id" field..	Characters must be accepted.	Characters are allowed.	Pass.
TC Reg24	Entering special characters (e.g.-*&^in the "Contact No." field.	It must not be allowed to enter special characters. It must display a validation error message.(Please Enter Correct Contact Number )	It is not accepting special characters. It is displaying a validation error message.(Please Enter Correct Contact Number )	Pass.
TC Reg25	Try to enter more than or less than 10 numeric values in "Contact No." field.	User can not enter more than or less than 10 numeric values in the "Contact No." field.	User are not allowed to enter more than or less than 10 numeric values in the "Contact No." field.	Pass.
TC Reg26	Input float values(e.g.- 3.8) in "Contact No." field.	It must not be allowed to enter float values in "Contact No." filed. It must display a validation error message.(Please Enter Correct Contact Number)	It is not allowed to enter float values in "Contact No." filed. It is displaying a validation error message.(Please Enter Correct Contact Number)	Pass.
TC Reg27	Input fraction values(e.g.- 2/7) in "Contact No." field.	It must not be allowed to enter fraction values in "Contact No." filed. It must display a validation error message.(Please Enter Correct Contact Number)	It is displaying a validation error message.(Please Enter Correct Contact Number)	Pass.
TC Reg28	Entering lower case character(e.g.- tery) in the "Contact No." field.	It must not be allowed to enter lower case character. It must display a validation error message.(Please Enter Correct Contact Number)	It is not accepting lower case character. It is displaying a validation error message.(Please Enter Correct Contact Number )	Pass.
TC Reg29	Entering upper case character (e.g.- EWSA) in the "Contact No." field.	It must not be allowed to enter upper case character. It must display a validation error message.(Please Enter Correct Contact Number)	It is not accepting upper case character. It is displaying a validation error message.(Please Enter Correct Contact Number )	Pass.
TC Reg30	Input alphanumeric values (e.g.-Sa3)in the "Contact No." field.	It must not be allowed to enter alphanumeric values. It must display a validation error message.(Please Enter Correct Contact Number)	It is not accepting alphanumeric values. It is displaying a validation error message.(Please Enter Correct Contact Number )	Pass.
TC Reg31	Input alphanumeric with special characters (e.g.- As3@)in "Contact No." filed.	It will not be allowed to enter alphanumeric with special characters in "Contact No." field. It must display a	It is not accepting alphanumeric with special characters values. It is displaying a validation error message.(Please Enter	Pass.

		validation error message.(Please Enter Correct Contact Number)	Correct Contact Number )	
TC Reg32	Input Numeric values(0-9)(e.g.-32) in “Contact No.” field.	Numeric values(0-9) must be accepted.	Numeric values(0-9) are accepted.	Pass.
TC Reg33	Input 10 digit Number in “Contact No” field.	Input must be accepted.	It is accepted.	Pass.
TC Reg34	Entering more than 200 characters in “Address Line” field.	It must not be allowed to enter more than 200 characters to be entered.	It is allowed to enter more than 200 characters.	Fail.
TC Reg35	Input special characters except : # - . / ( ) [ ] in the “Address Line” field.	It must only allow # - . / ( ) [ ] these characters.	It allows all the special characters.	Fail.
TC Reg36	Input float values(e.g.- 8.4) in “Address Line” field.	It must allow to enter float values in “Address Line” field.	It is allowing to enter float values in “Address Line” field.	Pass.
TC Reg37	Input fraction values(e.g.- 3/2) in “Address Line” field.	It must be allowed to enter fraction values in “Address Line” field.	It is allowing to enter fraction values in “Address Line” field.	Pass.
TC Reg38	Input lower case characters(e.g.-rt) in “Address Line” field.	Lower case characters must be allowed.	Lower case characters are allowed.	Pass.
TC Reg39	Input upper case characters(e.g.- SDE) in “Address Line” field.	Upper case characters must be allowed.	Upper case characters are allowed.	Pass.
TC Reg40	Input alphanumeric values(e.g.- aS2) in “Address Line” field.	Alphanumeric values must be allowed.	Alphanumeric values are allowed.	Pass.
TC Reg41	Input alphanumeric values with special characters (e.g.- As2@)in “Address Line” field.	It must allow all the alphanumeric values with special characters in the multi line text field.	It allows all alphanumeric with special characters.	Pass.
TC Reg42	Input 200 or less than 200 characters in “Address Line” field.	It must allow to enter characters 200 or less than 200.	It is allowing to enter characters more than 200.	Fail.
TC Reg43	Select State in Drop down list.	It must select one State in drop down list.	It is selecting one State in drop down list .	Pass.
TC Reg44	Do not Select State in Drop down list.	It must not be accepted and display a validation error message(Select State).	It is not accepted and it is displaying a validation error message(Select State).	Pass.
TC Reg45	Select City in Drop down list.	It must select one City in drop down list.	It is selecting one City in drop down list.	Pass.
TC Reg46	Do not Select City in Drop down list.	It must not be accepted and display a validation error	It is not accepted and displaying a validation error	Pass.

		message.(Select City).	message.(Select City)..	
TC Reg47	Input any special characters values(e.g.- \$%#) in “Login Id” field.	Special characters with alphabetic values must not be accepted.	It is not accepted to enter Special characters with alphabetic values.	Pass.
TC Reg48	Input characters with space(e.g. ty re) in “Login Id” field.	It must not be allowed to enter characters with spaces. It must display a validation error message.(Please enter Login Id without space).	It is not allowing to enter characters with spaces. It is displaying a validation error message.(Please enter Login Id without space).	Pass.
TC Reg49	Input any special characters with alphabetic values(e.g.- as@D) in “Login Id” field.	It must not be allowed to enter special characters with alphabetic values.	It is not allowing to enter special characters with alphabetic values.	Pass.
TC Reg50	Input any alphanumeric values with special characters(e.g.- As2@) in “Login Id” field.	It must not be allowed to enter alphanumeric values with special characters.	It is not allowing to enter alphanumeric values with special characters.	Pass.
TC Reg51	Input any float values(e.g.- 4.6) in “Login Id” field.	Float values must not be allowed to be entered.	It is not allowing to enter float values.	Pass.
TC Reg52	Input any Fraction values(e.g.- 2/8) in “Login Id” field.	Fraction values must not be allowed to be entered.	It is not allowing to enter Fraction values.	Pass.
TC Reg53	Input any number of characters less than 1 or more than 20 in “Login Id” field..	It must not be allowed to enter less than 1 or more than 20 characters.	It is not allowed to enter less than 1 or more than 20 characters.	Pass.
TC Reg54	Input only lower case characters(e.g.- er) in “Login Id” field.	Lower case must be accepted.	Lower case is accepted.	Pass.
TC Reg55	Input only upper case characters(e.g.- QW) in “Login Id” field.	Upper case must be accepted.	Upper case is accepted.	Pass.
TC Reg56	Input alphanumeric values(e.g.- as12) in “Login Id” field.	It must allow the alphanumeric values.	It is allowing the alphanumeric values.	Pass.
TC Reg57	Input any(0-9) numeric values(e.g.- 76) in “Login Id” field.	It must be allowed to enter.	Numeric values(0-9) are accepted.	Pass.
TC Reg58	Input any number of characters within range of(1-20) in “Login Id” field..	It must be accepted only this range(1-20).	It is accepted.	Pass.

TC Reg59	Input only lower or upper case with spaces in "Password" field.	It must not be allowed.	It is allowing in "Password" field..	Fail
TC Reg60	Input any characters less than 6 or more than 20 in "Password" field.	Characters must not be accepted less than 6 or more than 20 in "Password" field.	Characters are not accepted less than 6 or more than 20 in "Password" field.	Pass.
TC Reg61	Input decrypted form of password in "Password" field.	It must not be allowed to enter decrypted form of password.	It is not allowing to enter decrypted form of password.	Pass.
TC Reg62	Input encrypted form of password in "Password" field.	It must be allowed to enter encrypted form of password.	It is allowing to enter encrypted form of password.	Pass.
TC Reg63	Input only lower case(wqb) in "Password" field.	It must be allowed to enter lower case in the field.	It is allowing to enter lower case in the field.	Pass.
TC Reg64	Input only upper case(e.g.- AS) in "Password" field.	It must be allowed to enter upper case in the field.	It is allowing to enter upper case in the field.	Pass.
TC Reg65	Input Special characters with alphabetic values(e.g.- asD@) in "Password" field.	It must be to enter Special characters with alphabetic values allowed.	It is allowing to enter Special characters with alphabetic values allowed.	Pass.
TC Reg66	Input any(0-9) numbers (e.g.- 234) in "Password" field.	Numbers(0-9) must be allowed to be entered.	Numbers are allowed.	Pass.
TC Reg67	Input any alphanumeric values(as2S) in "Password" field.	Alphanumeric must be allowed.	Alphanumeric are allowed.	Pass.
TC Reg68	Input any float values(e.g.- 5.7) in "Password" field.	Float values must be allowed to be entered.	Float values are allowed to be entered.	Pass.
TC Reg69	Input any characters within range of(6-20) in "Password" field.	Characters must be accepted within range of(6-20).	Characters are accepted within range of(6-20).	Pass.
TC Reg70	Enter correct Password & confirm Password that does not match.	A message must appear that "Password do not match".	A message is displaying that "Password do not match".	Pass.
TC Reg71	Enter incorrect Password & correct confirm Password that does not match.	A message must appear that "Password does not match".	A message is displaying that "Password does not match".	Pass.
TC Reg72	Input only lower or upper case with spaces in "Confirm Password" field.	It must be allowed to input only lower or upper case with spaces in "Confirm Password" field.	It is allowing to input only lower or upper case with spaces in "Confirm Password" field.	Fail



TC Reg73	Input any characters less than 6 or more than 20 (e.g.- 0 or 21)in “Confirm Password” field.	Characters must not be accepted less than 6 or more than 20 in “Password” field.	Characters are not be accepted less than 6 or more than 20 in “Password” field.	Pass.
TC Reg74	Input only upper case and lower case characters(e.g.- a,A) in “Confirm Password” field.	It must allowed lower and upper case characters in the field.	It is allowing to enter lower and upper case characters in the field.	Pass.
TC Reg75	Input Special characters with alphabetic values(e.g.-23Sa) in “Confirm Password” field.	It must be allowed to input Special characters with alphabetic values in “Confirm Password” field..	It is allowing to input Special characters with alphabetic values in “Confirm Password” field..	Pass.
TC Reg76	Input any(0-9) number values(e.g.-23) in “Confirm Password” field.	Numbers(0-9) must be allowed to be entered.	Numbers are allowed.	Pass.
TC Reg77	Input any alphanumeric values(e.g.- saD2) in “Confirm Password” field.	Alphanumeric must be allowed.	Alphanumeric are allowed.	Pass.
TC Reg78	Input any float values(e.g.- 4.5) in “Confirm Password” field.	Float values must be allowed to be entered.	Float values are allowed to be entered.	Pass.
TC Reg79	Input any characters within range of(6-20) in “Confirm Password” field.	Characters must be accepted within range of(6-20).	Characters are accepted within range of(6-20).	Pass.
TC Reg80	Select button to browse image in(PNG,JPG,BMP,JPEG) “Upload Image” field.	It must select an image of format(PNG,JPG,BMP,JPEG).	It is accepting image of format(PNG,JPG,BMP,JPEG)..	Pass.
TC Reg81	Don't Select button to browse image in “Upload Image” field.	It must display a default image.	It is displaying a default image.	Pass.
TC Reg82	Click on “Register” button without selecting “Radio button”.	It is an error & message must be highlighted.(Please Select the Type of User )	It is an error & message is highlighted.(Please Select the Type of User)	Pass.
TC Reg83	Click on “Register” button without selecting “Name”.	It is an error & message must be highlighted.( Please Enter Name ).	It is an error & message is highlighted.(Please Enter Name ).	Pass.



TC Reg84	Click on “Register” button without selecting “Email id”.	It is an error & message must be highlighted.( Email Id is Mandatory ).	It is an error & message is highlighted.(Email Id is Mandatory )	Pass.
TC Reg85	Click on “Register” button without selecting “Contact No” .	It is an error & message must be highlighted.( Contact Number is Mandatory )	It is an error & message is highlighted.(Contact Number is Mandatory )	Pass.
TC Reg86	Click on “Register” button without selecting “Address Line”.	It is an error & message must be highlighted.(Address is Required )	It is an error & message is highlighted.(Address is Required )	Pass.
TC Reg87	Click on “Register” button without selecting “State”.	It is an error & message must be highlighted.(select State )	It is an error & message is highlighted.(select State )	Pass.
TC Reg88	Click on “Register” button without selecting “City”.	It is an error & message must be highlighted.(Select City )	It is an error & message is highlighted.(Select City )	Pass.
TC Reg89	Click on “Register” button without selecting “Login Id”.	It is an error & message must be highlighted.(Enter Login Id )	It is an error & message is highlighted.(Enter Login Id )	Pass.
TC Reg90	Click on “Register” button without selecting “Password”.	It is an error & message must be highlighted.(Password is Mandatory )	It is an error & message is highlighted.(Password is Mandatory)	Pass.
TC Reg91	Click on “Register” button without selecting “Confirm Password”.	It is an error & message must be highlighted.(Retype your Password )	It is an error & message is highlighted.(Retype your Password ).	Pass.
TC Reg92	Click on “Register” button without selecting an “Image”.	There must be appear default image.	There is appearing a default image.	Pass.
TC Reg93	Click on “Register” button after filling all the information.	User must find a window to verify account.	It is allowing to find a window of verify account.	Pass.
TC Reg94	Click on Reset button for filling information again.	It must clear all the information and reset the page.	It is clearing all the information and reset the page.	Pass.

#### **User Interface (UI) and Graphical User Interface (GUI) Testing-**

**User Interface:** Spellings are properly checked and are in proper format.

**Graphical User Interface:** Logo, Tables and colors are properly arranged.

#### **Browser Compatibility Testing-**



<u>Test Case ID</u>	<u>Description</u>	<u>Expected Result</u>	<u>Actual Result</u>	<u>Remarks</u>
TC Reg95	Check whether the page is loaded on different browsers (IE).	Page must be loaded on given browser.	It is loaded on given browser.	Pass.

## **MODULE-2 (USER VERIFICATION FORM)-**

<b><u>TEST SUIT ID</u></b> Career Coach	<b><u>CREATED BY</u></b> Prashant Kumar	<b><u>CREATED ON</u></b> 31-10-2014
IMPLEMENTED BY: Prashant Kumar		IMPLEMENTED ON: 28-10-2014

### **Pre-Requisites:**

#### **Email:**

Valid Classes: A-Z,a-z,Spaces,Numeric,Alphanumeric values,Float values,Special characters: .,\_ @

Valid Range: Max:40.Email id is mandatory.

Invalid Classes:Special characters except: .\_ @. Fractions.

Invalid Range: More than 40.

#### **Verification Code:**

Valid Classes:Numeric(0-9).

Valid Range: Min-1,Max-4.Password is mandatory.

Invalid Range: Less than 1& more than 4.

<u>Test Case ID</u>	<u>Description</u>	<u>Expected Result</u>	<u>Actual Result</u>	<u>Remarks</u>
TC Ver 01	Click on "Verify" button	It is an error & Validation message	It is displaying a validation error message	Pass

	without selecting Email id.	must be highlighted (Enter EmailId).	(Enter EmailId.)	
TC Ver 02	Click on “Verify” button without selecting Verification code.	It is an error & Validation message must be highlighted (Enter Verification Code sent to EmailId).	It is displaying a validation error message (Enter Verification Code sent to EmailId.)	Pass
TC Ver 03	Click on “Verify” button after filling all the information.	“Account successfully activated” alert message indicating successful registration must be displayed.	It is displaying message “Account successfully activated” .	Pass
TC Ver 04	Input any special characters: other than . _ @ with alphabetic values in “Email” field.	Special characters other than . _ @ must not be accepted and it must shown an validation error message.(Enter Email in correct format).	It is not allowing special characters except. _ @ and it is displaying a validation error message.(Enter Email in correct format).	Pass
TC Ver 05	Input only upper or lower case character with spaces in “Email” field.	Lower or upper case characters with spaces will not be accepted & Validation message must be highlighted. .(Enter Email in correct format).	It is not allowing lower and upper case and displaying validation error message.(Enter Email in correct format).	Pass
TC Ver 06	Input any Fraction values in “Email” field.	Fraction values must not be accepted & Validation message must be highlighted. .(Enter Email in correct format	It is not allowing fraction values and displaying validation error message.(Enter Email in correct format).	Pass
TC Ver 07	Input any alphanumeric values in “Email” field.	Alphanumeric values must be allowed to be entered.	It is allowing alphanumeric values.	Pass

TC Ver 08	Input any Float values in "Email" field.	Float values must be accepted.	It is allowing float values.	Pass
TC Ver 09	Input any(0-9) number or alphanumeric value in "Email" field.	Numbers(0-9) must be allowed to be entered.	It is allowing numeric(0-9) values.	Pass
TC Ver 10	Input any number of character within range (1-40).	Characters must be accepted.	It is Allowing to enter characters.	Pass
TC Ver 11	Input only special characters: . _ @ with alphabetic values in "Email" field.	It must be allowed to be entered.	It is allowing special characters with alphabetic values.	Pass
TC Ver 12	Input only upper case character values in "Email" field.	Upper case will be accepted.	It is allowing upper case characters.	Pass
TC Ver 13	Input only lower case character values in "Email" field.	Lower case will be accepted.	It is allowing lower case characters.	Pass
TC Ver 14	Input only numeric(0-9) values in the "verification code" field.	Numeric values (0-9) must be accepted.	It is allowing numeric values(0-9).	Pass

### **User Interface (UI) and Graphical User Interface (GUI) Testing-**

**User Interface:** Spellings are properly checked and are in proper format.

**Graphical User Interface:** Logo, Tables and colors are properly arranged.

### **Browser Compatibility Testing-**

<b><u>Test Case ID</u></b>	<b><u>Description</u></b>	<b><u>Expected Result</u></b>	<b><u>Actual Result</u></b>	<b><u>Remarks</u></b>
TC Ver	Check whether	Page must be loaded	It is loaded on given	Pass.



15	the page is loaded on different browsers (IE).	on given browser.	browser.	
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### **MODULE-3 (USER LOGIN FORM)-**

<b><u>TEST SUIT ID</u></b>	<b><u>CREATED BY</u></b>	<b><u>CREATED ON</u></b>
Career Coach	Sahiba Singhal	28-10-2014
IMPLEMENTED BY: Prashant Kumar		IMPLEMENTED ON: 29-10-2014

#### **Pre-Requisites:**

##### **Login Id:**

Valid classes:A-Z,a-z,Numeric(0-9),Alphanumeric.

Valid Range: Min-1, Max-20.Enter login id.

Valid Classes:Special characters, Float values,Fractions.

Invalid Range:Less than 1 & more than 20.

##### **Password:**

Valid Classes:A-Z,a-z,Spaces,Numeric,Alphanumeric values,Float values,Numeric(0-9).

Valid Range: Min-1,Max-20.Password is mandatory.

Invalid Range: Less than 1 & more than 20.

<b><u>Test Case ID</u></b>	<b><u>Description</u></b>	<b><u>Expected Result</u></b>	<b><u>Actual Result</u></b>	<b><u>Remarks</u></b>
TC Log 01	Input only lower case characters in "Login Id" field.	Lower case must be accepted.	It is Acceptable, Lower case is accepted.	Pass
TC Log 02	Input only upper case characters in "Login Id" field.	Upper case must be accepted.	It is Acceptable, Upper case is accepted.	Pass
TC Log 03	Input any special characters with alphabetic values in "Login Id" field.	Special characters must not be accepted.	It is Acceptable, Special characters is not accepting and alert is displaying ("Unauthorized Login")	Pass

TC Log 04	Input any(0-9) numeric values in “Login Id” field.	It must be allowed to enter.	It is Acceptable and it is allowing to enter.	Pass
TC Log 05	Input any float values in “Login Id” field.	Float values must not allowed and it must display an error message.	It is Acceptable, Float values is not accepting and alert is displaying (“Unauthorized Login”)	Pass
TC Log 06	Input Fraction values in “Login Id” field.	Fraction values must not be allowed to be entered.	It is Acceptable, Fraction values is not accepting and alert is displaying (“Unauthorized Login”)	Pass
TC Log 07	Input any number of characters within range of(1-20) in “Login Id” field..	It must be accepted only this range(1-20).	It is Acceptable and it is allowing to enter.	Pass
TC Log 08	Input only upper case and lower case in “Password” field.	It must allowed lower and upper case in the field.	It is Acceptable and it is allowing to enter.	Pass
TC Log 09	Input only Lowercase an Upper case in “Password” field.	It must allowed lower and upper case in the field.	It is Acceptable and it is allowing to enter.	Pass
TC Log 10	Input only lower or upper case with spaces in “Password” field.	It must not be allowed.	It is Acceptable and Spaces is not accepting and alert is displaying (“Unauthorized Login”)	Pass
TC Log 11	Input Special characters with alphabetic values in “Password” field.	It must be allowed.	It is Acceptable and special characters with alphabetic values in “Password” field entered.	Pass
TC Log 12	Input any(0-9) number or alphanumeric values in “Password” field.	Numbers(0-9) must be allowed to be entered.	It is Acceptable and Numbers(0-9) is allowing to be entered.	Pass

TC Log 13	Input any alphanumeric values in "Password" field.	Alphanumeric must be allowed.	It is Acceptable and Alphanumeric is allowing to be entered.	Pass
TC Log 14	Input any float values in "Password" field.	Float values must be allowed to be entered.	It is Acceptable and Float values is allowing to be entered.	Pass
TC Log 15	Input any fraction values in "Password" field	fraction values must be allowed to be entered.	It is Acceptable and fraction values is allowing to be entered.	Pass
TC Log 16	Input any characters within range of(1-20) in "Password" field.	Characters must be accepted within range of(1-20).	It is Acceptable and Characters be accepted within range of(1-20).	Pass
TC Log 17	Input any characters less than 1 or more than 20 "Password" field.	Input must not be accepted and error message must be display.	It is Acceptable and characters less than 1 or more than 20 "Password" field is not accepting and alert is displaying ("Unauthorized Login")	Pass
TC Log 18	Click on "Login" button without selecting Login Id.	It is an error & message must be highlighted.	It is Acceptable and Click on "Login" button without selecting Login Id It is an error & validation message is highlighting("Enter Login Id").	Pass
TC Log 19	Click on "Login" button without selecting Password.	It is an error & message must be highlighted.	It is Acceptable and Click on "Login" button without selecting Password It is an error & validation message is highlighting("Enter Password").	Pass



TC Log 20	Click on “Login” button after filling all the information.	User must be logged into the system.	It is Acceptable and fraction values is allowing to be entered and User is logging into the system.	Pass
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**User Interface (UI) and Graphical User Interface (GUI) Testing-**

**User Interface:** Spellings are properly checked and are in proper format.

**Graphical User Interface:** Logo, Tables and colors are properly arranged.

**Browser Compatibility Testing-**

<b><u>Test Case ID</u></b>	<b><u>Description</u></b>	<b><u>Expected Result</u></b>	<b><u>Actual Result</u></b>	<b><u>Remarks</u></b>
TC Log21	Check whether the page is loaded on different browsers (IE).	Page must be loaded on given browser.	It is loaded on given browser.	Pass.

## **9- IMPLEMENTATION**

### **IMPLEMENTATION OF PROJECT:**

Implementation is the realization of an application, or execution of a plan, idea, model, design, specification, standard, algorithm, or policy. This phase is less creative than system design. It's mainly concerned with user training site preparation and file conversions. It is the phase in the guideline life-cycle in which strategies, systems, and tools are created to operationalize the knowledge and recommendations set forth by the guideline developers.

Depending upon the size of the organization that will use the application, the risks are involved in its use. The Implementation Phase has one key activity i.e. deploying the new system in its target environment. Supporting actions include training end-users and preparing to turn the system over to maintenance personnel. After this phase, the system enters the Operations and Maintenance Phase for the remainder of the system's operational life.

System developers may choose to test the operation in only one area of the firm with only one or two persons. Sometimes they may run an old or new system in parallel way to compare the results. In other situation system developers stop using the old system one-way and start using the old system the other way. During the final step user acceptations is tested followed by user training depending upon the nature of the system extensive user training may be required. Conversion usually takes place at about the same time the user is being trained or later.

System testing checks the readiness and accuracy of the system to access update and retrieve data from new files. Once the program becomes available, test data are used for testing. If successful the program are run with actual live data. Successful completion of the Implementation Phase should comprise of System deployment and training on the system.



## **9.1 CONVERSION PLAN:**

When implementing a new system the method of changeover also has to be taken into account. Possible options include direct, phased, pilot, and parallel, although the decision is dependent upon cost, speed of changeover, and ability to risk disruption to staff and productivity. The methods of conversion are:

- a) Direct Conversion
- b) Parallel Conversion
- c) Phased Conversion
- d) Pilot Conversion

These all are explained as:

**a) DIRECT CONVERSION:** In this Conversion all the users stop using the old system at the same time, then being using the new system, this option is fast and disruptive so is not feasible in our case as large no of Process will be carried out simultaneously, so to stop the running system and start using new one will be difficult to use.

**b) PHASED CONVERSION:** Users in this start using the new system component by component. This option works only with the system that is compartmentalized.

**c) PILOT CONVERSION:** Personal single site uses the new system then the entire organization makes the switch. Although this approach takes the more time than the other type of conversions, it gives opportunity to test user response to the system thoroughly.

**d) PARALLEL CONVERSION:** Users continue to use the old system while an increasing amount of data is processed through the old system .The Outputs from the two systems are compared: if they agree then the switch is made which is further used for the testing of the new system.

## **9.2 POST IMPLEMENTATION AND SOFTWARE MAINTENANCE**

### **POST IMPLEMENTATION:**

After installation phase is complete and user staff is adjusted to the changes traded by the new system, evaluation and maintenance starts. Like any other system, this is an aging process that requires periodic maintenance of hardware and software. If the new information is inconsistent with the design specification maintenance to keep it tuned with the design specification. The importance of the maintenance is to continue, to bring the new system to the standards. User priority changes in the organizational programs or the environmental factors also caught for the system analysis. Maintenance is necessary to eliminate errors in the working system. During its working live and to tune the system to any variations in it's working environment. Often small system is brought to the operation and changes are made to remove them. System planners must always plan them for resources availability to carry out their maintenance function. The importance of maintenance is to continue to bring new system to standard.

### **SOFTWARE MAINTENANCE:**

Computer software programmers and engineers perform various software maintenance functions to keep software running with as few problems as possible. Programmers and engineers also constantly seek to improve the reliability and functionality of software through maintenance activities. Many businesses rely on various software programs to manage their finances, inventory, employees, security systems, and other facets of business activity.

**a) CORRECTIVE-** Corrective software maintenance involves developing and deploying solutions to problems ("bugs") that arise during use of a software program. Computer users will notice performance problems with software, such as error messages coming on the screen or the program freezing or crashing, meaning corrective software maintenance is needed. Often these fixes permanently solve the problem, but not always. Some fixes act as a temporary solution while computer programmers work on a more permanent solution.

**b) PERFECTIVE-** No software program contains zero flaws or areas for improvement. Perfective software maintenance involves computer programmers working to improve the way a software program functions or how quickly it processes requests. Programmers may also engage in perfective software maintenance to improve the software's menu layouts and command interfaces. Sometimes programmers need to conduct perfective maintenance on software because of outside influences, such as new government regulations that affect how a business operates.

**c) ADAPTIVE-** The field of technology constantly changes through both hardware and software developments. Adaptive software maintenance addresses these changes. A change in a processor's speed, for example, will affect how the software performs on a single computer. Software interacts with other software programs on a computer or network, meaning changes in one program can require changes in other programs.

**d) PREVENTATIVE-** When computer programmers engage in preventative software maintenance they try to prevent problems with software programs before they occur. Programmers seek to prevent corrective maintenance as much as possible, while also anticipating adaptive maintenance needs before users experience problems. Computer programmers also test the software with other programs users likely will use on their computers, making sure compatibility issues do not arise.

## **10- PROJECT LEGACY**

### **10.1 Current Status of project-**

In our project we have implemented all the important features that are required for the education learners to Establish and Maintain Communication between Student and Tutor. Our project consists of the following features:

There are three types of Users i.e. Admin, Tutor, Student.

- a) A System for Administrator to handle all administration related activities like user roles and Permissions, the Administrator has the full access to all the modules of the software.
- b) A Unique Login Id Number is generated to the Tutor/Student who registered at the website.
- c) Tutor/Student can Log their Request/Complaint/Suggestion/Feedback online from anywhere and at anytime.
- d) A System that provide Notifications to Tutor/Student about their request.
- e) An Intelligent System to Auto responds to the requests those are Repetitive in Nature.
- f) User Friendly environment for the Users handling according to Request Type and Category.
- g) Admin can activate and deactivate the users account.
- h) User can reset their Password.
- i) No direct query is used in project only stored procedures are used in database so it is very fast.
- j) Every user gets his/her password verification on email so it provides security to the user.
- k) If any user forgot his password e can easily recover it.
- l) All menus are dynamic so it is easy to add/remove a new link.
- m) The entire users assigned with a unique login id that is used by the tutor/student for login and admin uses their id for log in.

## **10.2 FUTURE ENHANCEMENTS**

Besides above mentioned features, some of future enhancements planned are as follows:  
Automated reminders/ alert provision to remind important actions to Perform for Staff.

- a) Google Search Engine facility on Home Page.
- b) Chat Module will be implemented in the website.
- c) Notification Module in Admin.

## **10.3 TECHNICAL AND MANGERIAL SKILLS LEARNT**

We have learnt about ASP.net ,SQL Server 2008.

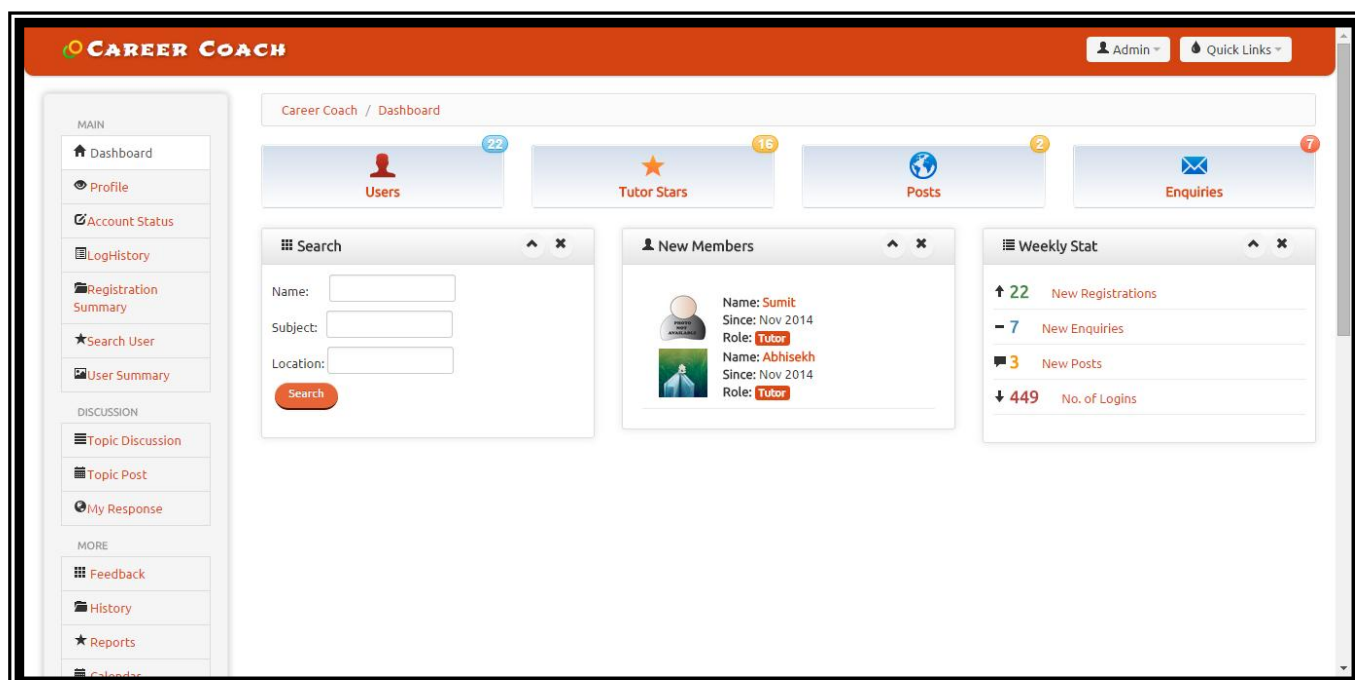
- a) In SQL Server, we have learned about Stored Procedures, Normalizing Data, Query handling and some new features of SQL 2008.
- b) In ASP.net, we have learned Session Handling, View State Management, Ajax Controls,CSS,JavaScript,Apllying Encryption and Decryption, Validating Data, Reporting i.e. Crystal Reports.
- c) In managerial Skills, we have learned about team work, Group effort and Coordination in group, and the way to work on the Live Projects.

## 11- USER MANUAL

### CAREER COACH

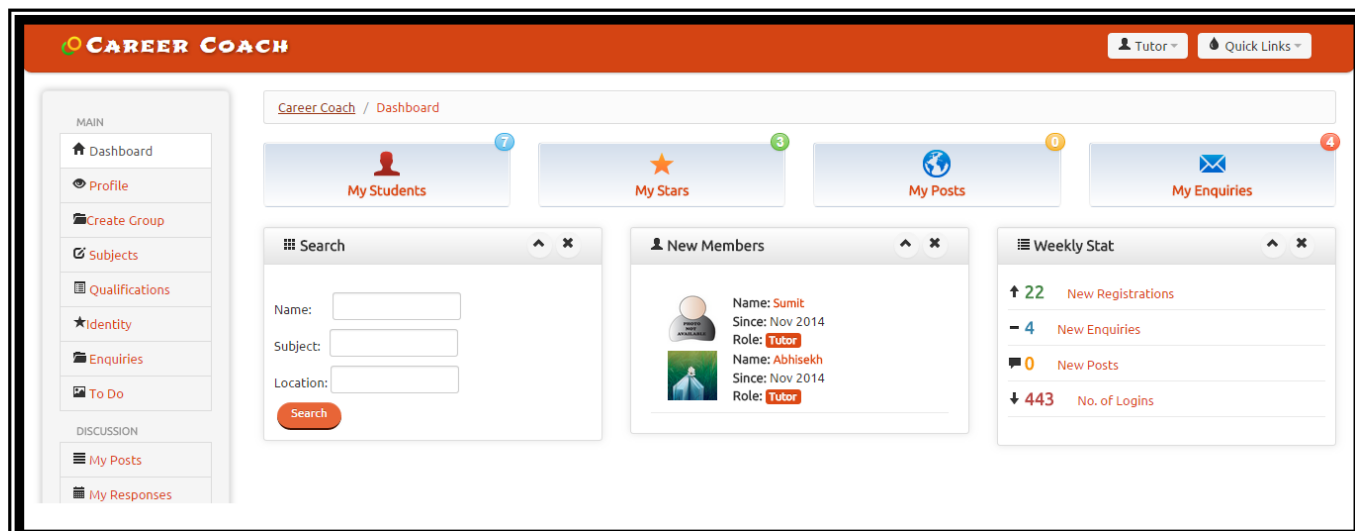
Online system is useful in various ways as it will help to a great extent in lessening of our time and tasks. The interaction between different users, Upload and download files can be all performed with the help of this online system. With the help of online system there is no use of using for further manual system. With the help of this system users can easily interact with the interfaces. There are three main modules i.e.(Admin,Tutor,Student).

### ADMIN-



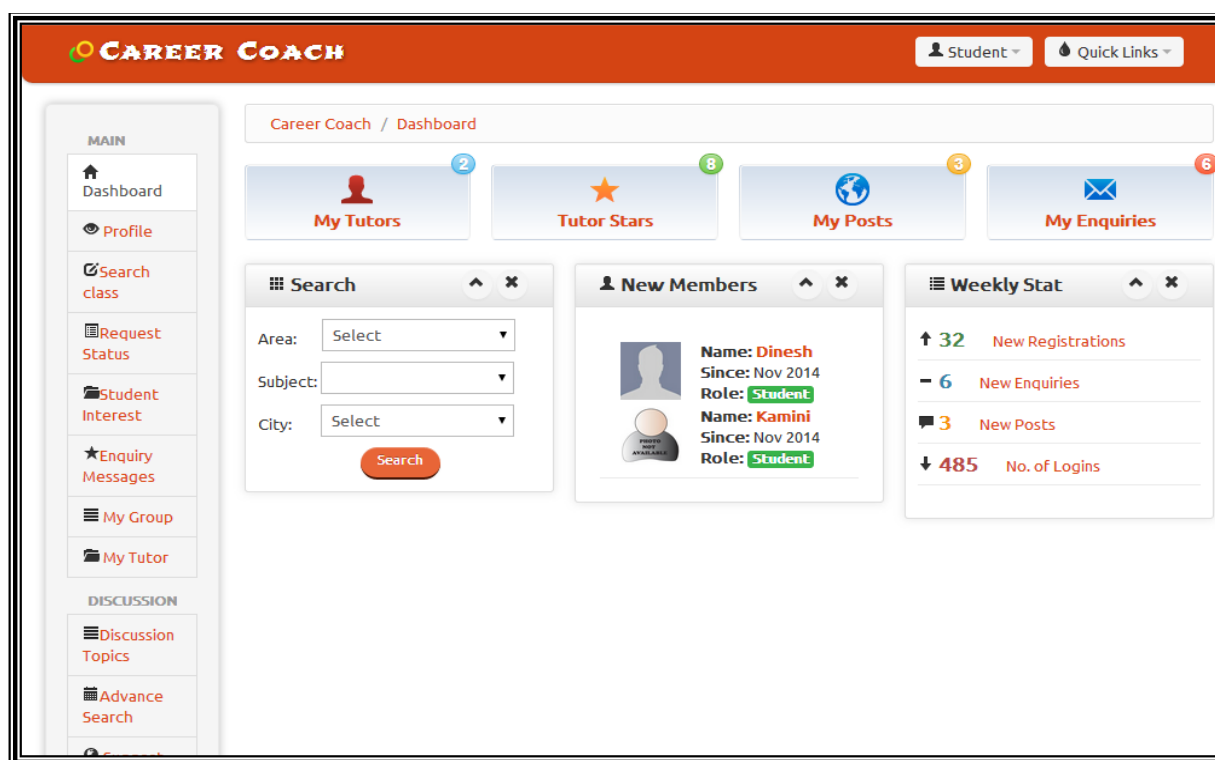
**DESCRIPTION-** It includes all the information of the users and admin can activate and deactivate the users.

## TUTOR-



**DESCRIPTION-** It includes tutor account and tutor can update his /her profile and make any changes.

## STUDENT-



**DESCRIPTION-** It includes student account and student can update his /her profile and make any changes.

# SOURCE CODE



## 12- SOURCE CODE

### ADMIN DASHBOARD

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Data;
using System.Configuration;

public partial class AdminDashboard : System.Web.UI.Page
{
    string str =
ConfigurationManager.ConnectionStrings["CareerCoach"].ConnectionString;

    protected void Page_Load(object sender, EventArgs e)
    {
        Search.Visible = false;
        if (Session["LoginId"] == null || Session["AccountType"] == null)
            Server.Transfer("UserLogin.aspx");
        TotalNewRegistration();
        WeeklyLoginCounts();
        AdminCount();
    }
    void TotalNewRegistration()
    {
        #region Code-To-TotalNewRegistration
        SqlConnection con = new SqlConnection(str);
        if (con.State == ConnectionState.Closed)
            con.Open();
        SqlCommand cmd = new SqlCommand("CCpTotalRegistration", con);

        cmd.CommandType = CommandType.StoredProcedure;

        SqlDataReader rd;
        rd = cmd.ExecuteReader();
        while (rd.Read())
        {
            lblnoofnewregistrations.Text = rd[0].ToString();

        }
        con.Close();
        cmd.Dispose();
        cmd.Parameters.Clear();
        #endregion
    }
    void WeeklyLoginCounts()
```



```

{
    #region Code-To-Weekly-Login-Counts
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpweeklyLoginCounts", con);

    cmd.CommandType = CommandType.StoredProcedure;

    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblnooflogins.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}
protected void ddtNewMembers_ItemDataBound(object sender, DataListItemEventArgs
e)
{
    Label Role = (Label)e.Item.FindControl("lblRole");
    if (Role.Text == "Tutor")
    {
        Role.CssClass = "label label-warning";
    }
    else
    {
        Role.CssClass = "label label-success";
    }
}
void AdminCount()
{
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpAdminCount", con);
    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.Add("@Users", SqlDbType.VarChar, 50);
    cmd.Parameters.Add("@Stars", SqlDbType.VarChar, 50);
    cmd.Parameters.Add("@Posts", SqlDbType.VarChar, 50);
    cmd.Parameters.Add("@Enquiries", SqlDbType.VarChar, 50);
    cmd.Parameters.Add("@WeeklyEnquiry", SqlDbType.VarChar, 50);
    cmd.Parameters.Add("@WeeklyPost", SqlDbType.VarChar, 50);
    cmd.Parameters["@Users"].Direction = ParameterDirection.Output;
    cmd.Parameters["@Stars"].Direction = ParameterDirection.Output;
    cmd.Parameters["@Posts"].Direction = ParameterDirection.Output;
    cmd.Parameters["@Enquiries"].Direction = ParameterDirection.Output;
    cmd.Parameters["@WeeklyEnquiry"].Direction = ParameterDirection.Output;
    cmd.Parameters["@WeeklyPost"].Direction = ParameterDirection.Output;
    cmd.ExecuteNonQuery();
}

```

```

lblusers.Text = cmd.Parameters["@Users"].Value.ToString();
lblstar.Text = cmd.Parameters["@Stars"].Value.ToString();
lblpost.Text = cmd.Parameters["@Posts"].Value.ToString();
lblenquiries.Text = cmd.Parameters["@Enquiries"].Value.ToString();
lblnoofnewenquiries.Text =
cmd.Parameters["@WeeklyEnquiry"].Value.ToString(); ;
lblnoofnewposts.Text = cmd.Parameters["@WeeklyPost"].Value.ToString(); ;

}

protected void btnsearch_Click(object sender, EventArgs e)
{
    #region Code-to-Search
    Search.Visible = true;
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpStudentSearch", con);
    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.Clear();
    if (txtsearchname.Text != "")
        cmd.Parameters.AddWithValue("@Name", txtsearchname.Text);
    if (txtsearchsubject.Text != "")
        cmd.Parameters.AddWithValue("@Subject", txtsearchsubject.Text);
    if (txtsearchlocation.Text != "")
        cmd.Parameters.AddWithValue("@Location", txtsearchlocation.Text);

    DataTable ds = new DataTable();
    SqlDataAdapter rd = new SqlDataAdapter(cmd);
    rd.Fill(ds);
    ddtSearch.DataSource = ds;
    ddtSearch.DataBind();
    if (ddtSearch.Items.Count == 0)
    {
        lblMessage.Visible = true;
    }
    con.Close();
    #endregion
}
}

```

## ADMIN ACCOUNTUPDATE

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data ;
using System.Data.SqlClient;
using System.Text.RegularExpressions;
using System.Drawing;
using System.Configuration;

public partial class AdminAccounUpdate : System.Web.UI.Page

```

```

{
    private string SearchString = "";
    string str =
ConfigurationManager.ConnectionStrings["CareerCoach"].ConnectionString;
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    public string HighlightText(string InputTxt)
    {
        string Search_Str = txtSearch.Text;
        // Setup the regular expression and add the Or operator.
        Regex RegExp = new Regex(Search_Str.Replace(" ", "|").Trim(),
RegexOptions.IgnoreCase);
        // Highlight keywords by calling the
        //delegate each time a keyword is found.
        return RegExp.Replace(InputTxt, new MatchEvaluator(ReplaceKeyWords));
    }

    public string ReplaceKeyWords(Match m)
    {
        return ("<span class=highlight>" + m.Value + "</span>");
    }
    protected void btnSearch_Click(object sender, EventArgs e)
    {
        SearchString = txtSearch.Text;
    }
    protected void grdAccountUpdate_SelectedIndexChanged(object sender, EventArgs e)
    {

        string loginId = (grdAccountUpdate.SelectedRow.FindControl("lblLoginId") as
Label).Text.ToString();
        if ((grdAccountUpdate.SelectedRow.FindControl("btnupdatestatus") as
Button).Text == "Activate")
        {
            #region Code-to-activate
            SqlConnection con = new SqlConnection(str);
            if (con.State == ConnectionState.Closed)
                con.Open();
            SqlCommand cmd = new SqlCommand("CCpActivateDeActivateUserAccount",
con);

            cmd.CommandType = CommandType.StoredProcedure;
            cmd.Parameters.AddWithValue("@LoginId", loginId);
            cmd.Parameters.AddWithValue("@IsActive", "True");
            cmd.ExecuteNonQuery();
            cmd.Parameters.Clear();
            cmd.Dispose();
            con.Close();
            grdAccountUpdate.DataBind();
            #endregion
            (grdAccountUpdate.SelectedRow.FindControl("btnupdatestatus") as
Button).Text = "Deactivate";
        }
        else
        {

```

```

        #region Code-to-deactivate
        SqlConnection con = new SqlConnection(str);
        if (con.State == ConnectionState.Closed)
            con.Open();
        SqlCommand cmd = new SqlCommand("CCpActivateDeActivateUserAccount",
con);

        cmd.CommandType = CommandType.StoredProcedure;
        cmd.Parameters.AddWithValue("@LoginId", loginId);
        cmd.Parameters.AddWithValue("@IsActive", "False");
        cmd.ExecuteNonQuery();
        cmd.Parameters.Clear();
        cmd.Dispose();
        con.Close();
        grdAccountUpdate.DataBind();
        #endregion
        (grdAccountUpdate.SelectedRow.FindControl("btnupdatestatus") as
Button).Text = "Activate";
    }

}

protected void grdAccountUpdate_DataBound(object sender, EventArgs e)
{
    foreach (GridViewRow r in grdAccountUpdate.Rows)
    {
        if ((r.FindControl("lblIsActive") as Label).Text == "Yes")
        {
            (r.FindControl("btnupdatestatus") as Button).Text = "Deactivate";
            r.ForeColor = Color.Green;
        }
        else
        {
            (r.FindControl("btnupdatestatus") as Button).Text = "Activate";
            r.ForeColor = Color.Red;
        }
    }
}

}

```

## STUDENT DASHBOARD

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class StudentDashboard : System.Web.UI.Page
{
    string str =

```

```
ConfigurationManager.ConnectionStrings["CareerCoach"].ConnectionString;
protected void Page_Load(object sender, EventArgs e)
{
    Search.Visible = false;
    CountTutorAssociated();
    Star();
    TotalEnquiry();
    WeeklyEnquiry();
    TotalNewRegistration();
    WeeklyLoginCounts();
    TotalCommentPost();
    WeeklyCommentPost();
}

protected void btnsearch_Click(object sender, EventArgs e)
{
    #region Code-to-Search
    Search.Visible = true;
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpSearchTutor", con);
    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.Clear();
    if (ddlSubjects.SelectedIndex != 0 && ddlSubjects.SelectedIndex != -1)
        cmd.Parameters.AddWithValue("@sub",
ddlSubjects.SelectedValue.ToString());
    if (ddlCity.SelectedIndex != 0)
        cmd.Parameters.AddWithValue("@City", ddlCity.SelectedItem.ToString());
    DataTable ds = new DataTable();
    SqlDataAdapter rd = new SqlDataAdapter(cmd);
    rd.Fill(ds);
    ddtTutorSearch.DataSource = ds;
    ddtTutorSearch.DataBind();
    con.Close();

    #endregion
}

protected void ddlArea_DataBound(object sender, EventArgs e)
{
    ddlArea.Items.Insert(0, "Select");
}

protected void ddlSubjects_DataBound(object sender, EventArgs e)
{
    ddlSubjects.Items.Insert(0, "Select");
}

protected void ddlCity_DataBound(object sender, EventArgs e)
{
    ddlCity.Items.Insert(0, "Select");
}
```

```

    }

    protected void ddtTutorSearch_ItemCommand(object source,
DataListCommandEventArgs e)
    {
        if (e.CommandName == "Login")
        {
            Session["TutorLoginId"] = e.CommandArgument.ToString();
            Response.Redirect("Enquiry.aspx");
        }
    }

    protected void ddlArea_SelectedIndexChanged(object sender, EventArgs e)
    {
        #region Code-to-Bind-Dropdown-subjects
        try
        {
            int id = Convert.ToInt32(ddlArea.SelectedValue);
            SqlConnection con = new SqlConnection(str);
            if (con.State == ConnectionState.Closed)
                con.Open();
            SqlCommand cmd = new SqlCommand("select SpecializationSubjects from
CCSpecializationSubjects where AreaId=" + id, con);
            cmd.ExecuteNonQuery();
            SqlDataAdapter ad = new SqlDataAdapter(cmd);
            DataSet da = new DataSet();
            ad.Fill(da);
            ddlSubjects.DataSource = da;
            // ddlSubjects.DataValueField = "SpecializationSubjects";
            ddlSubjects.DataTextField = "SpecializationSubjects";
            ddlSubjects.DataBind();
        }
        catch (Exception)
        {
            ScriptManager.RegisterClientScriptBlock(this, this.GetType(),
"alertMessage", "alert('Select Area')", true);
        }
        #endregion
    }

    protected void ddtNewMembers_ItemDataBound(object sender, DataListItemEventArgs
e)
    {
        Label Role = (Label)e.Item.FindControl("lblRole");
        if (Role.Text == "Tutor")
        {
            Role.CssClass = "label label-warning";
        }
        else
        {
            Role.CssClass = "label label-success";
        }
    }

    protected void CountTutorAssociated()

```

```
{
    #region Code-To-Count-StudentAssociated
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpStudentTutorAssociatedWith", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@Type", "Tutor");
    cmd.Parameters.AddWithValue("@StudentId", Session["LoginId"]);
    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblmystudents.Text = rd[0].ToString();
    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}
protected void Star()
{
    #region Code-To-Count-Star
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpStar", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@LoginId", Session["LoginId"]);
    cmd.Parameters.AddWithValue("@Type", "Student");
    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblmystars.Text = rd[0].ToString();
    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}
void TotalEnquiry()
{
    #region Code-To-TotalEnquiry
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpTotalEnquiry", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@LoginId", Session["LoginId"]);
```

```
cmd.Parameters.AddWithValue("@Type", "Total");
cmd.Parameters.AddWithValue("@Account", "Student");
SqlDataReader rd;
rd = cmd.ExecuteReader();
while (rd.Read())
{
    lblmyenqueries.Text = rd[0].ToString();

}
con.Close();
cmd.Dispose();
cmd.Parameters.Clear();
#endregion
}
void WeeklyEnquiry()
{
    #region Code-To-WeeklyEnquiry
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpTotalEnquiry", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@LoginId", Session["LoginId"]);
    cmd.Parameters.AddWithValue("@Type", "Weekly");
    cmd.Parameters.AddWithValue("@Account", "Student");

    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblnoofnewenquiries.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}
void TotalNewRegistration()
{
    #region Code-To-TotalNewRegistration
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpTotalRegistration", con);

    cmd.CommandType = CommandType.StoredProcedure;

    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
```



```
        lblnoofnewregistrations.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}

void WeeklyLoginCounts()
{
    #region Code-To-Weekly-Login-Counts
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpweeklyLoginCounts", con);

    cmd.CommandType = CommandType.StoredProcedure;

    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblnooflogins.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}

void TotalCommentPost()
{
    #region Code-To-TotalPost
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpTotalTopicPosts", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@PostedBy", Session["LoginId"]);
    cmd.Parameters.AddWithValue("@Account", "Student");
    cmd.Parameters.AddWithValue("@Type", "Total");
    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblmyposts.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
}
```

```
#endregion
}
void WeeklyCommentPost()
{
    #region Code-To-TotalPost
    SqlConnection con = new SqlConnection(str);
    if (con.State == ConnectionState.Closed)
        con.Open();
    SqlCommand cmd = new SqlCommand("CCpTotalTopicPosts", con);

    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@PostedBy", Session["LoginId"]);
    cmd.Parameters.AddWithValue("@Account", "Student");
    cmd.Parameters.AddWithValue("@Type", "Weekly");
    SqlDataReader rd;
    rd = cmd.ExecuteReader();
    while (rd.Read())
    {
        lblnoofnewposts.Text = rd[0].ToString();

    }
    con.Close();
    cmd.Dispose();
    cmd.Parameters.Clear();
    #endregion
}
}
```

## **13- PSEUDO CODE**

### **Login Module**

1. Goto login Page.
2. Have the user fill out the fields.
3. Have the page process the fields, send them to sql server database, check them. If the fields check, go to step 5. If not, to step 4.
4. Show error page.
5. Start session, go to default redirect after login.
6. Let the user do whatever they want.

### **Login form**

1. OPENFILE username
2. IF file Exists then
3. Read Password From File.
4. IF File.password=index.USER.password then
5. Set LoginVariable
6. Login
7. End If
8. End If
9. If Login Then
10. Read Email
11. Set User
12. End If

### **Logout**

1. Clear login variables
2. PRINT "Thank You for Visiting our Site"
3. PRINT "Please Come Again"

### **Registration Form**

1. CHECK login variables
2. IF(login variables=True) then
3. PRINT "This Email Id is all ready registered"
4. Else
5. Clear Form
6. Add all the filed
7. Then click Register button
8. End If

## 14- DOCUMENTATION ACCORDING TO STANDARDS

### 1. Author:

This document is prepared **by the team (CareerCoach)**. Most of the information in this document is compiled from the coding standards and best practices published in various articles in world wide. Also, we referred to the guidelines published by Microsoft and various other sources.

### 2. License, Copyrights and Disclaimer:

This document is design by **fully team support for project CareerCoach**. We have fully permission to use and distribute this document for any Commercial/Non-Commercial purpose as long. This document is provided on “As-Is” basis.

### 3. Revision History:

According to Standards, revision history review the tasks done by team for project.

Sl#	Date	Changed By	Description
1.		Randheer Singh	From Initial Stage of Project

### 4. Introduction:

Anybody means any team member can write code. With a few months of programming experience, we can write working applications'. Making it work is easy, but doing it the right way requires more work, than just making it work.

Believe it, majority of the programmers write 'working code', but not ‘good code’. **Writing 'good code' is an art and our team must learn and practice it.**

Everyone may have different definitions for the term ‘good code’. In my definition, the following are the characteristics of good code.

- Reliable
- Maintainable
- Efficient

Most of the developers are inclined towards writing code for higher performance, compromising reliability and maintainability. But considering the long term ROI (Return On Investment), efficiency and performance comes below reliability and maintainability. If our code is not reliable and

maintainable, **we will** be spending lot of time to identify issues, **trying to understand code etc throughout the life of your application.**

## 5. Purpose of coding standards and best practices:

To develop reliable and maintainable applications, our team must follow coding standards and best practices.

The naming conventions, coding standards and best practices described in this document are compiled from our own experience and by referring to various Microsoft and non Microsoft guidelines.

There are several standards exists in the programming industry. None of them are wrong or bad and you may follow any of them. What is more important is, selecting one standard approach and ensuring that everyone is following it.

## 6. Naming Conventions and Standards:

- Use Pascal casing for Class names

```
public class Tutor_TimeSlot
{
    ...
}
```

- Use Pascal casing for Method names

```
void TaskTrack(string hits)
{
    ...
}
```

- Use Camel casing for variables and method parameters

```
int totalHits = 0;
void TaskTrack(string hits)
{
    string fullMessage = "Total Hits " + hits;
    ...
}
```

However, in .NET coding standards, this is not recommended. Usage of data type and m\_ to represent

member variables should not be used. All variables should use camel casing.

**Within CareerCoach Project, Our Team follow the Main 10 Steps according to Naming Conventions and Standards are:**

1. We use Meaningful, descriptive words to name variables. Do not use abbreviations.

Good:

```
string address  
int salary
```

Not Good:

```
string addr  
int sal
```

2. According to Standards, We not used single character variable names like `i`, `n`, `s` etc. Use names like `index`, `temp`

One exception in this case would be variables used for iterations in loops:

```
for ( int i = 0; i < count; i++ )  
{  
    ...  
}
```

If the variable is used only as a counter for iteration and is not used anywhere else in the loop, many people still like to use a single char variable (`i`) instead of inventing a different suitable name.

3. According to Standards, We not use underscores (`_`) for local variable names.
4. All member variables must be prefixed with underscore (`_`) so that they can be identified from other local variables.
5. According to Standards, We not use variable names that resemble keywords.
6. Prefix `boolean` variables, properties and methods with “`is`” or similar prefixes.

Ex: `private bool _isFinished`

7. **Our Project Namespace names** should follow the standard **pattern**

```
<CareerCoach>.<Admin>.<top level module>.<bottom level module>
```

<CareerCoach>.<Tutors>.<top level module>.<bottom level module>

<CareerCoach>.<Students>.<top level module>.<bottom level module>

8. Use appropriate prefix for the UI elements so that you can identify them from the rest of the variables.

There are 2 different approaches recommended here.

- a. Use a common prefix ( ui\_ ) for all UI elements. This will help you group all of the UI elements together and easy to access all of them from the intelligence.
- b. Use appropriate prefix for each of the ui element. A brief list is given below. Since .NET has given several controls, you may have to arrive at a complete list of standard prefixes for each of the controls (including third party controls) you are using.

Control	Prefix
Label	Lbl
Textbox	Txt
DataGrid	Dtg
Button	Btn
ImageButton	Imb
Hyperlink	Hlk
DropDownList	Ddl
ListBox	Lst
DataList	Dtl
Repeater	Rep
Checkbox	Chk
CheckBoxList	Cbl
RadioButton	Rdo
RadioButtonList	Rbl
Image	Img
Panel	Pnl
Placeholder	Phd
Table	Tbl
Validators	Val
File Upload	Flu
LinkButton	Lbtn

9. File name should match with class name.

For example, for the class Tutor Dashboard, the file name should be TutorDashboard.cs.

Use Pascal Case for file names.

## 15- HIGH LEVEL DEVELOPMENT (SDLC) PLAN

<u>Sr. No.</u>	<u>Module</u>	<u>Target</u>
1	Administration	25 <sup>th</sup> , August
2	User Registration & Account Management	10 <sup>th</sup> , September
3	Tutor Corner	25 <sup>th</sup> , September
4	Student Support	5 <sup>th</sup> , October
5	Searching	15 <sup>th</sup> , October
6	E-Resource Management	22 <sup>nd</sup> , October
7	Feedback and suggestions	30 <sup>th</sup> , October
8	Communication & Notifications	5 <sup>th</sup> , November
9	Discussion Forum	11 <sup>th</sup> , November
10	Help and Support	15 <sup>th</sup> , November
11	Testing and Maintenance	20 <sup>th</sup> , November
12	Documentation	26 <sup>th</sup> , November

## 16- ROLES ASSIGNED

- a) Designing
- b) Database
- c) Coding
- d) Testing

### MAIN RESPONSIBILITY-

Designing and Database.

### ADDITIONAL RESPONSIBILITIES-

Testing and Coding.



## 17- BIBLIOGRAPHY

Below the list of websites that we have gone through for the development of the website:

### Internet:

- a) <http://www.msdotnet.co.in>
- b) <http://www.c-sharpcorner.com>
- c) <http://www.codewerge.com>

### Various Books Followed:

- a) Professional ASP.Net3.5(SP1) in C# and VB ASP.NET 3.5
- b) Sams ASP.Net 4.0 Unleashed
- c) Website Programming Problem-Design Solution