

Group No. 21

Online Examination Portal (Project 10)

Software Design Document

Submitted To:

Professor Samit Bhattacharya

Group No. 21

Anirudh Sharma 150101006

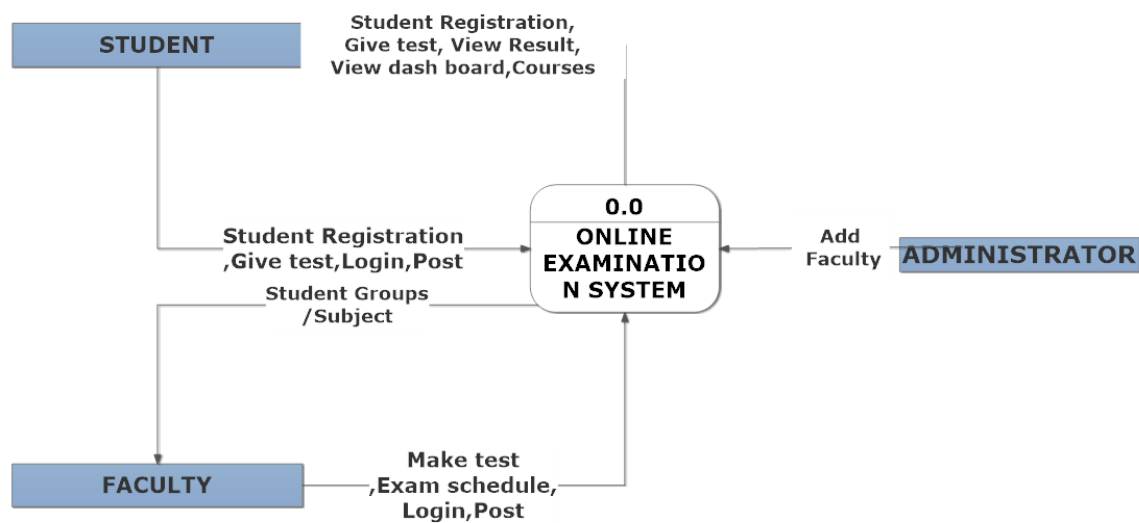
Aman Agarwal 150101005

Abthoula Rakesh 150101004

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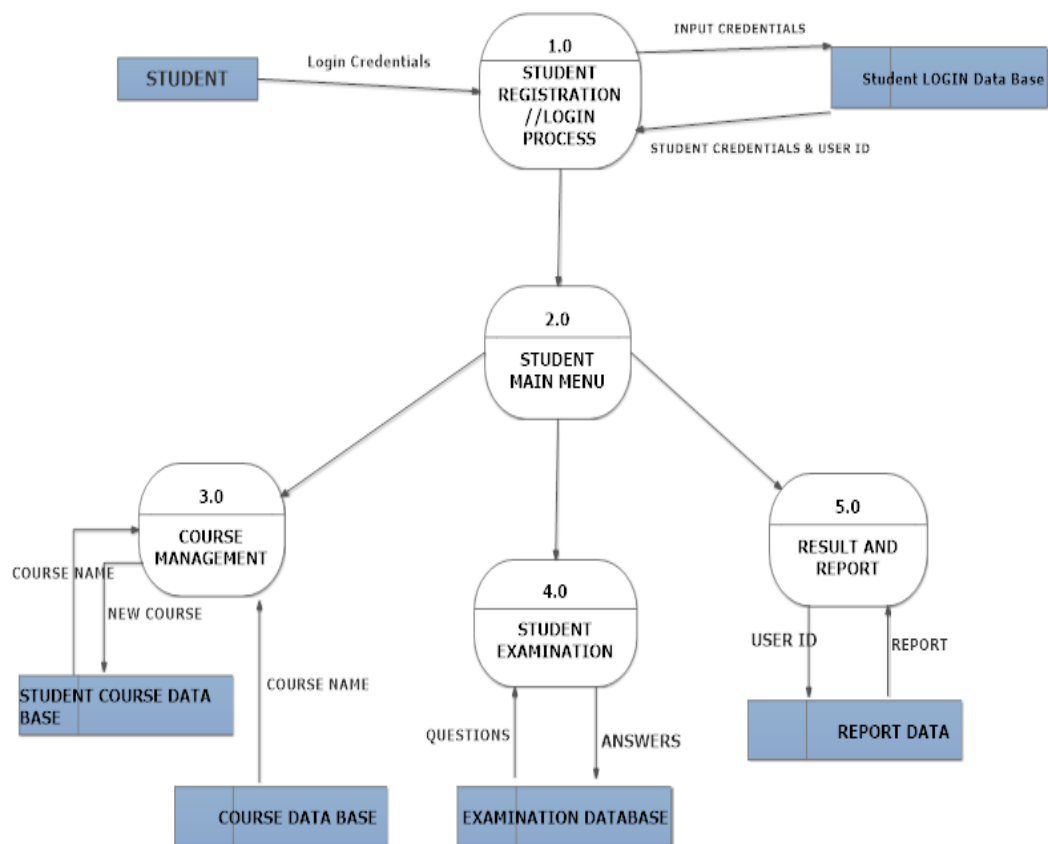
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## Data Flow Daigram : Level 0

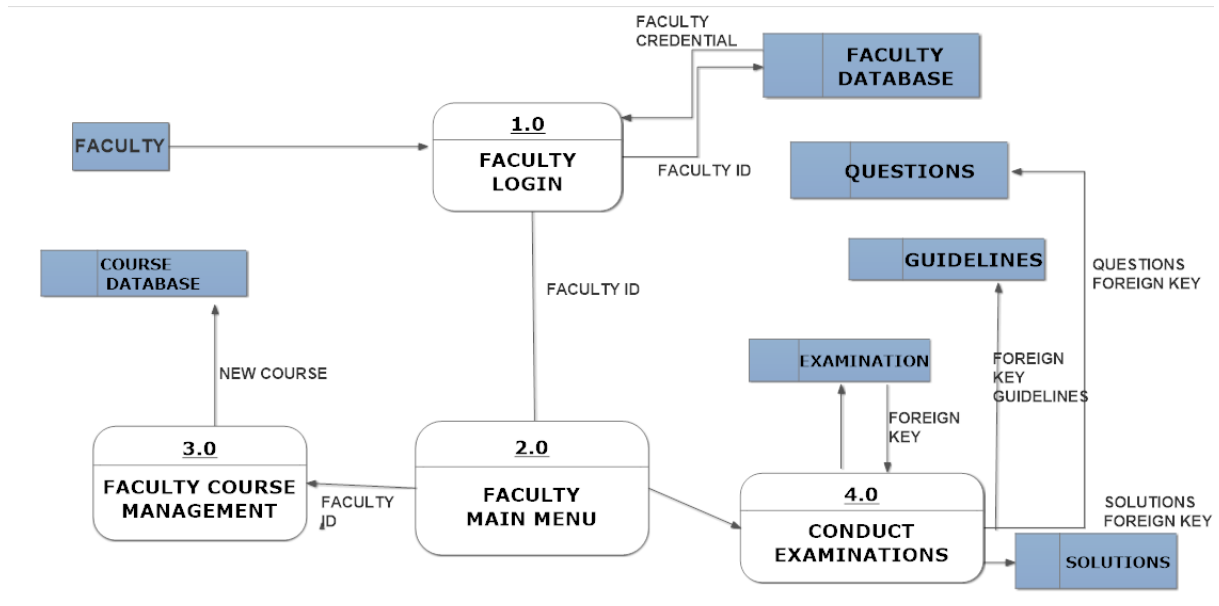


## Data Flow Daigram : LEVEL 1

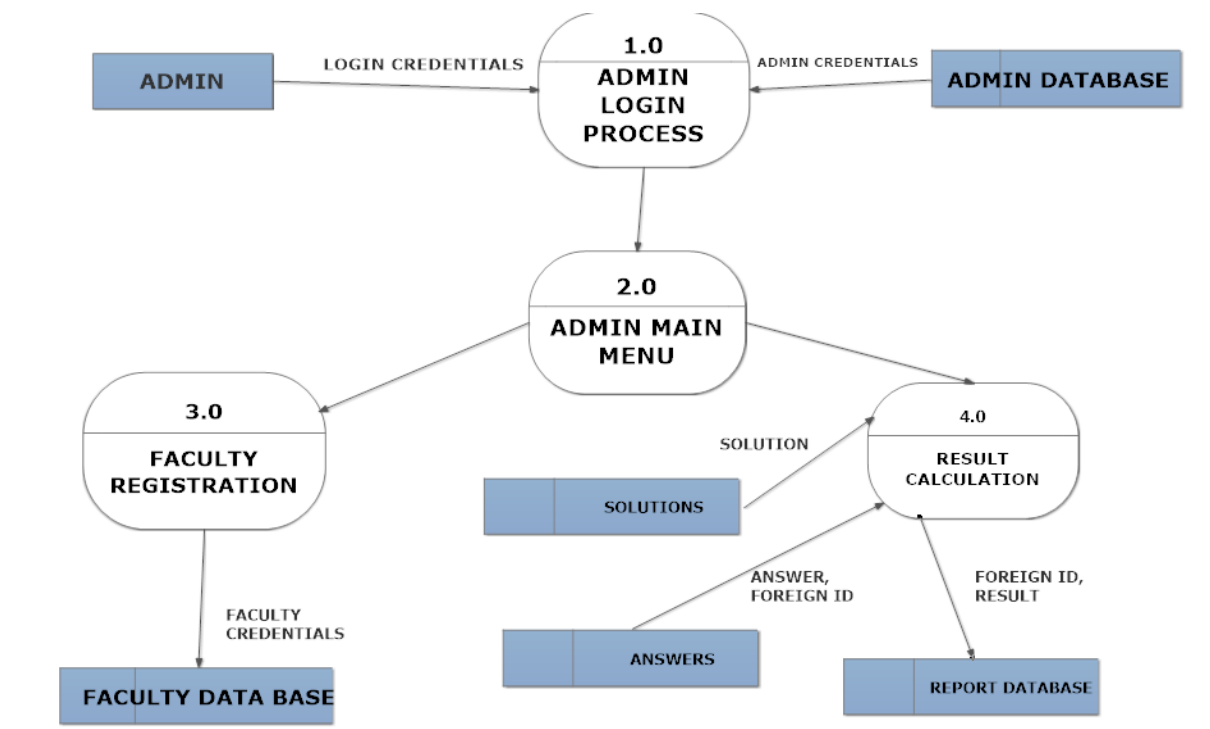
### Student:



## Faculty:

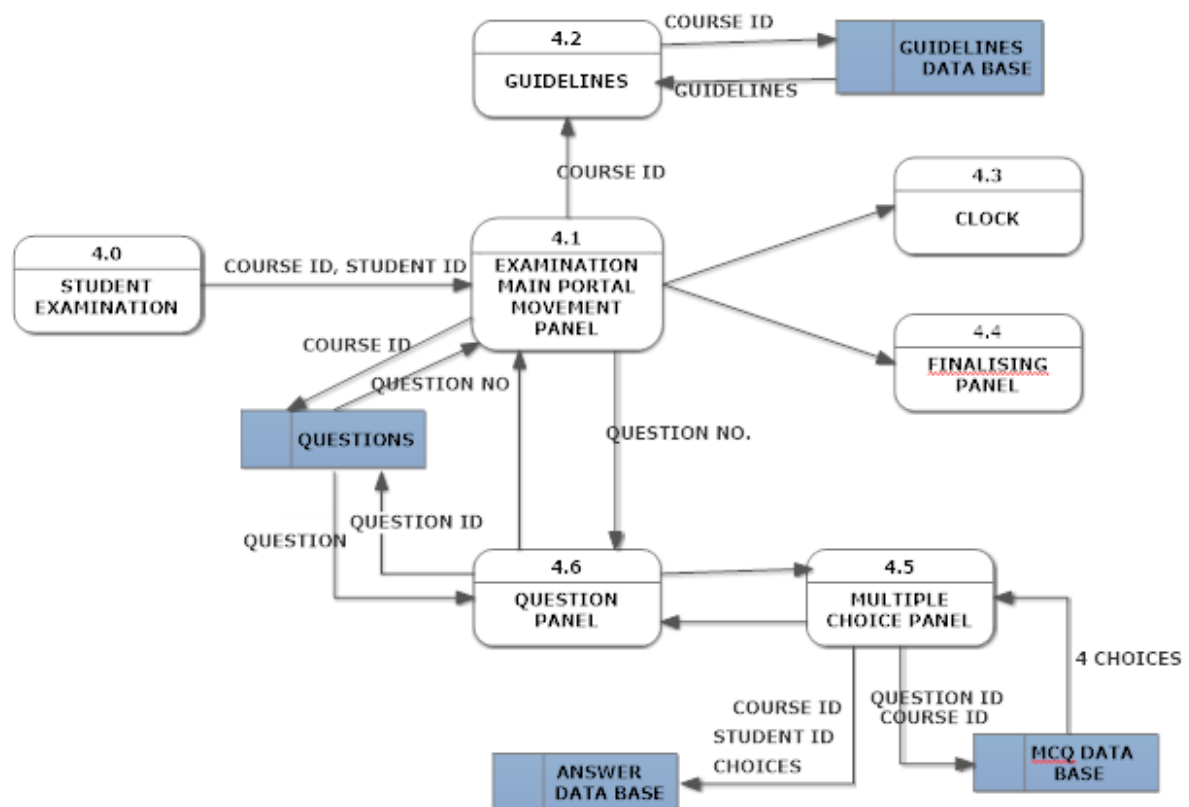


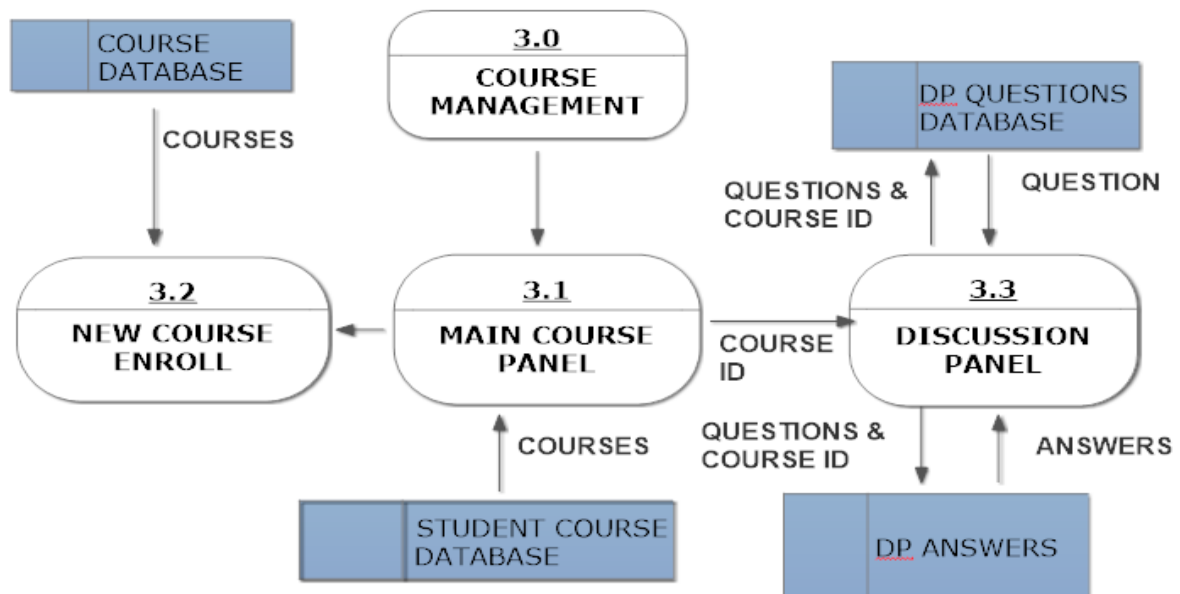
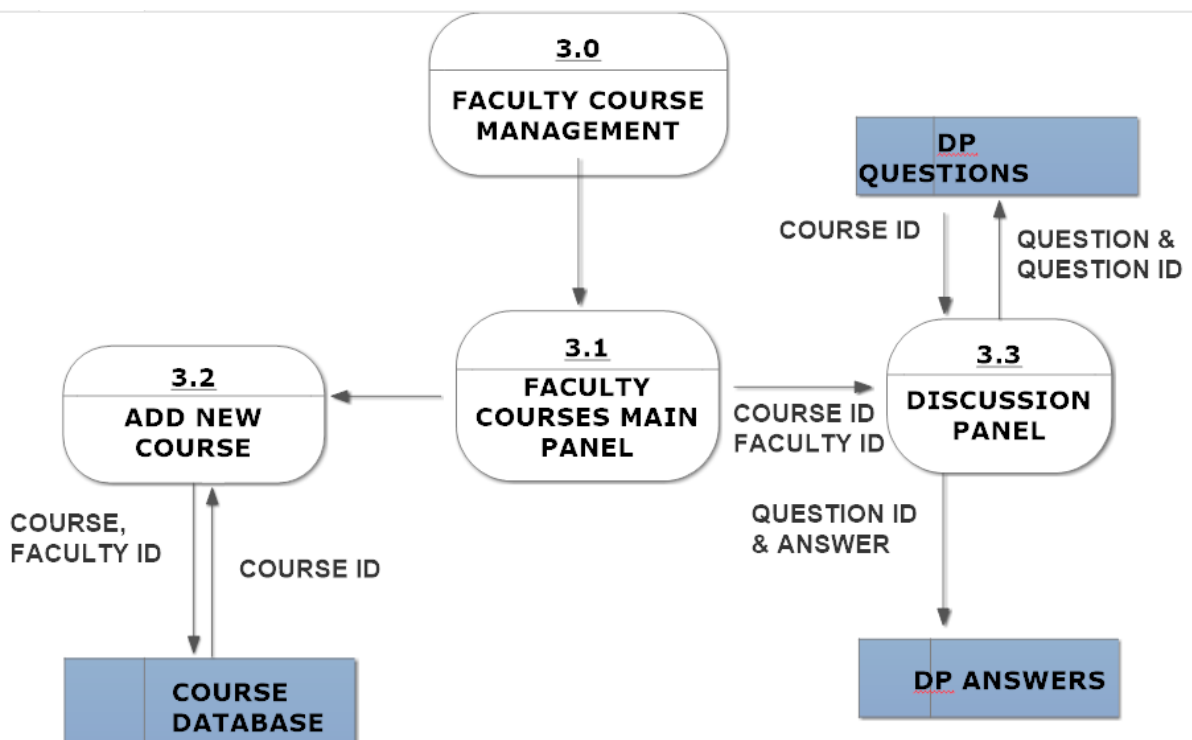
## Administrator:



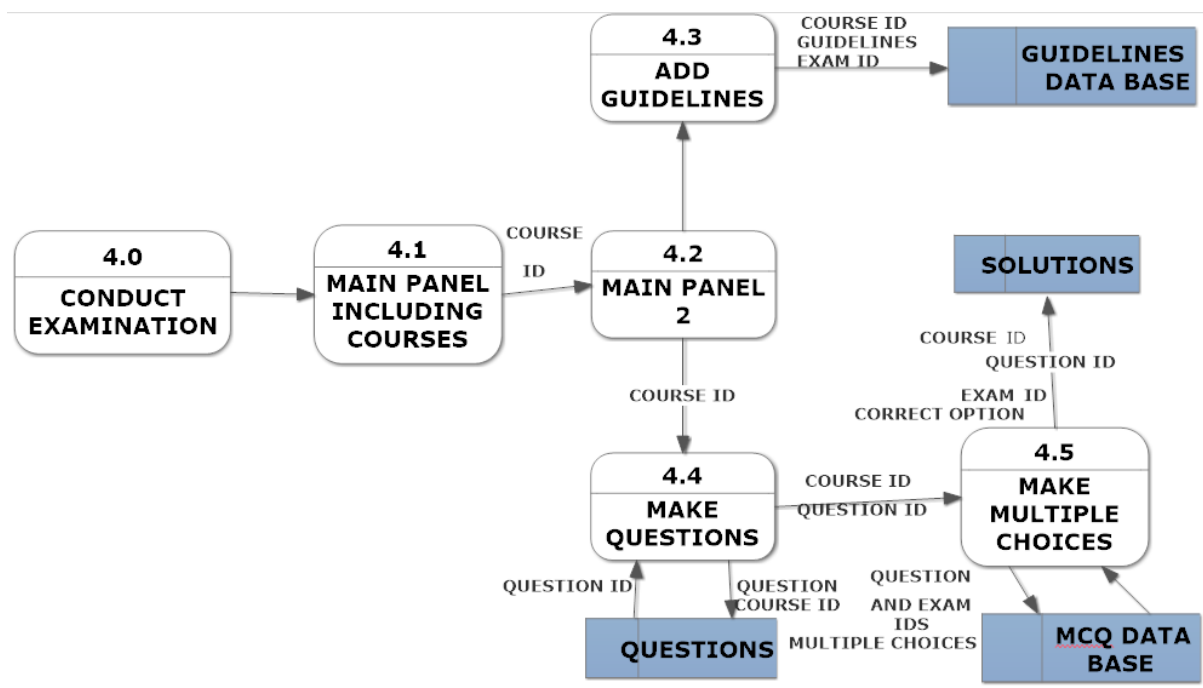
## Data Flow Daigram : LEVEL 2

### a.Student Examination



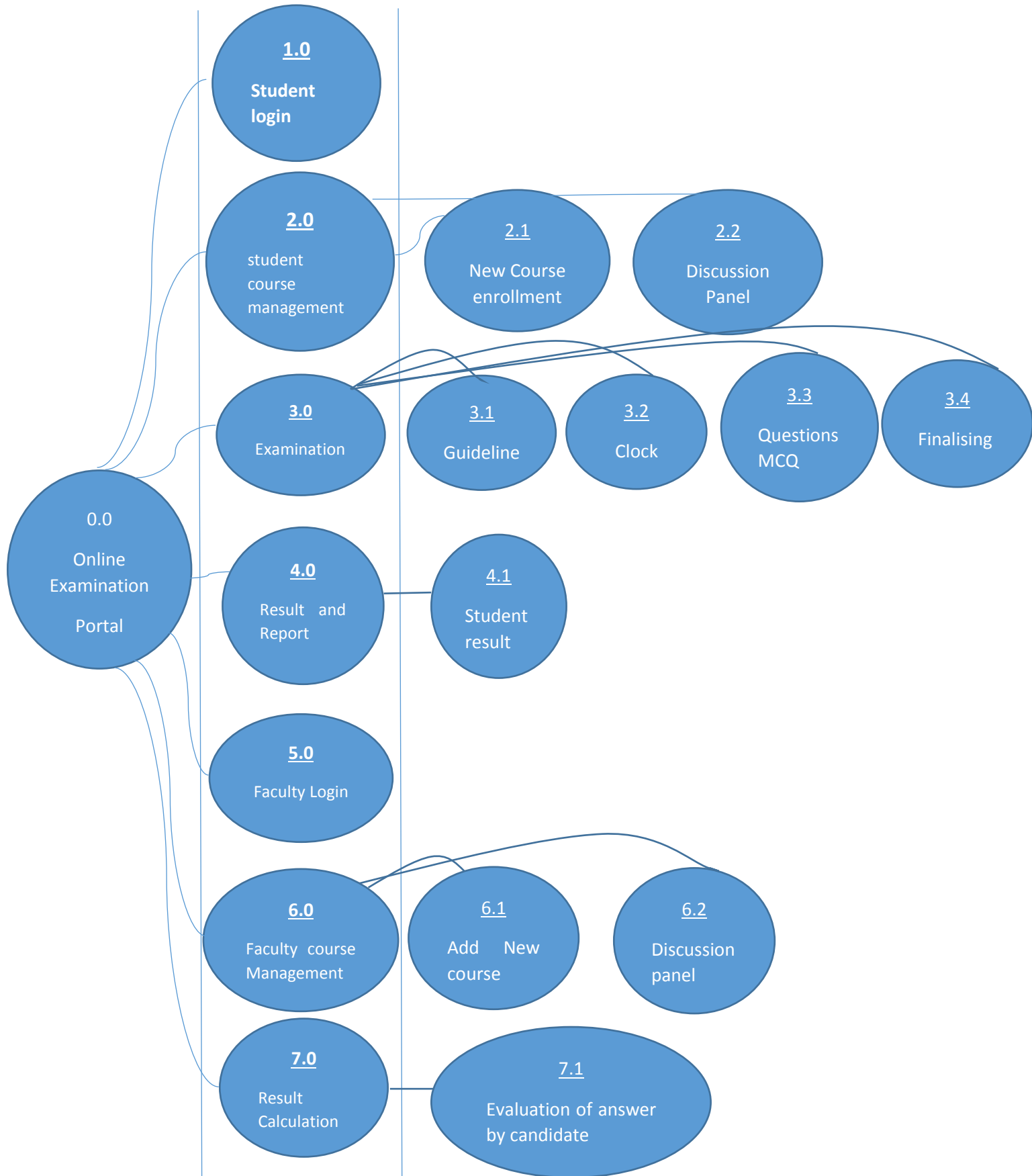
b.Course Management:c.Faculty Course Management:

### d. Conduct Examination:

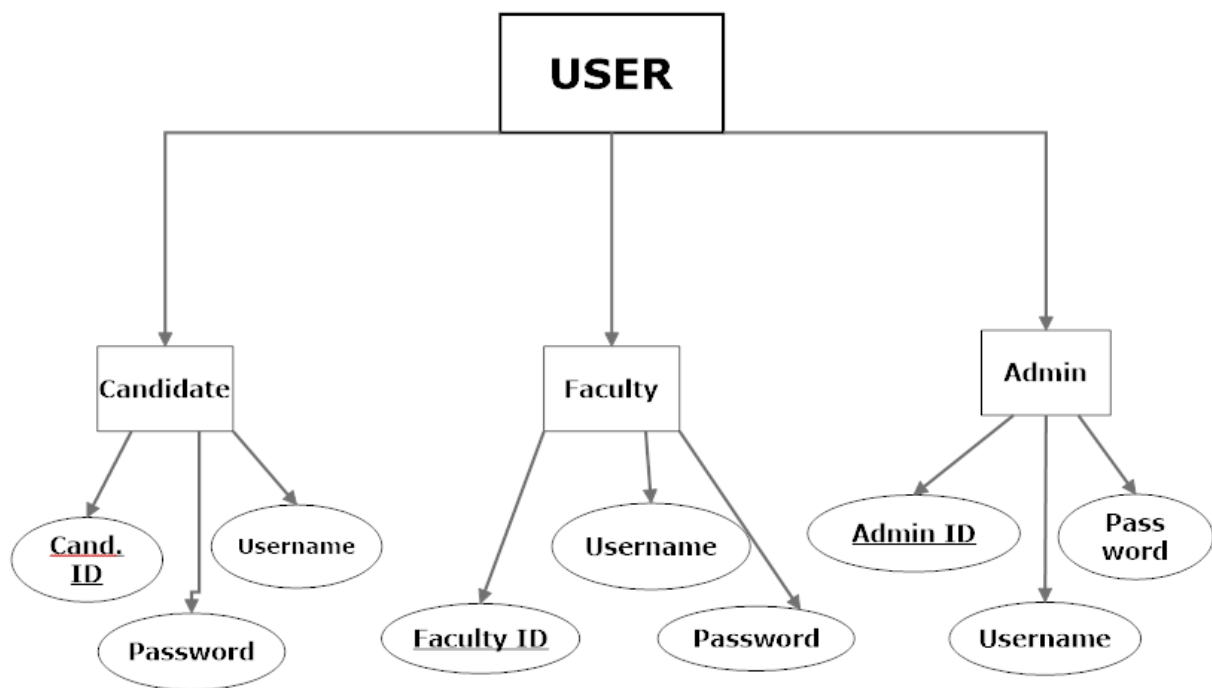




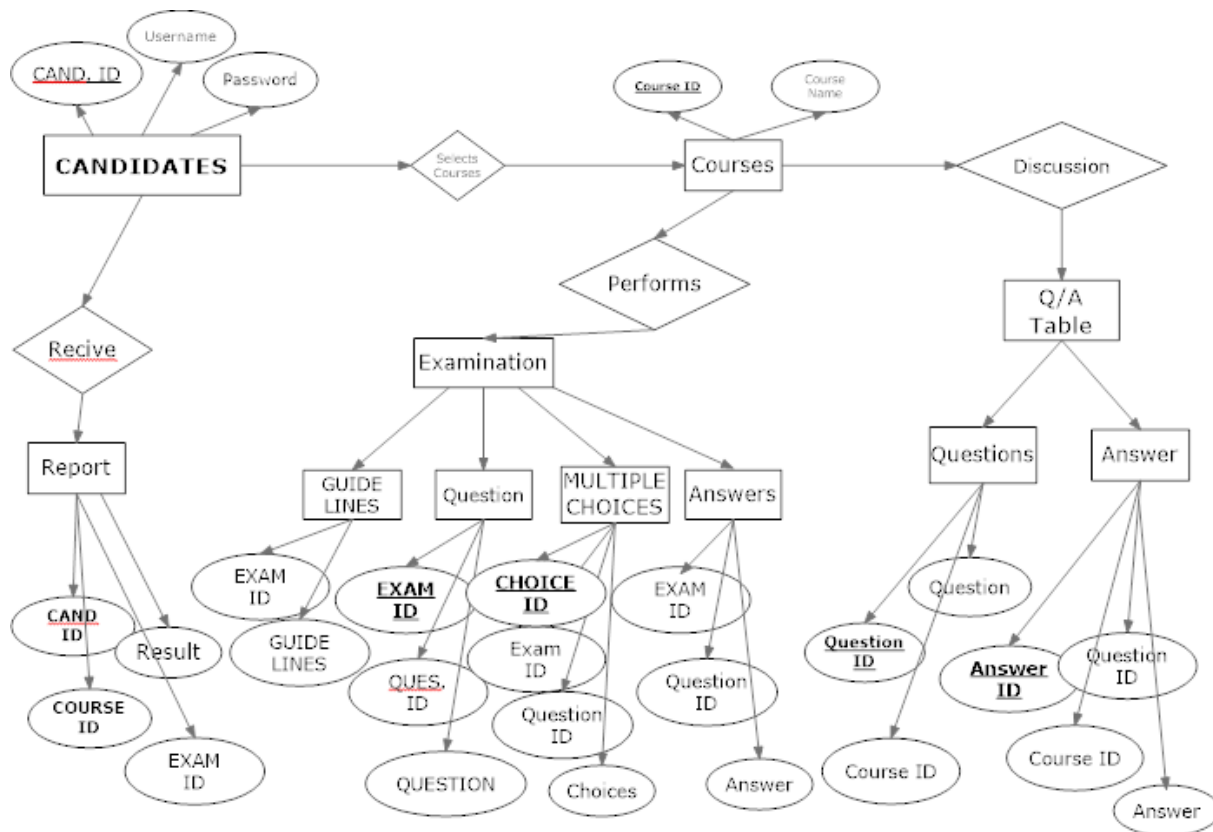
## PROCESS DECOMPOSITION DAIGRAM :



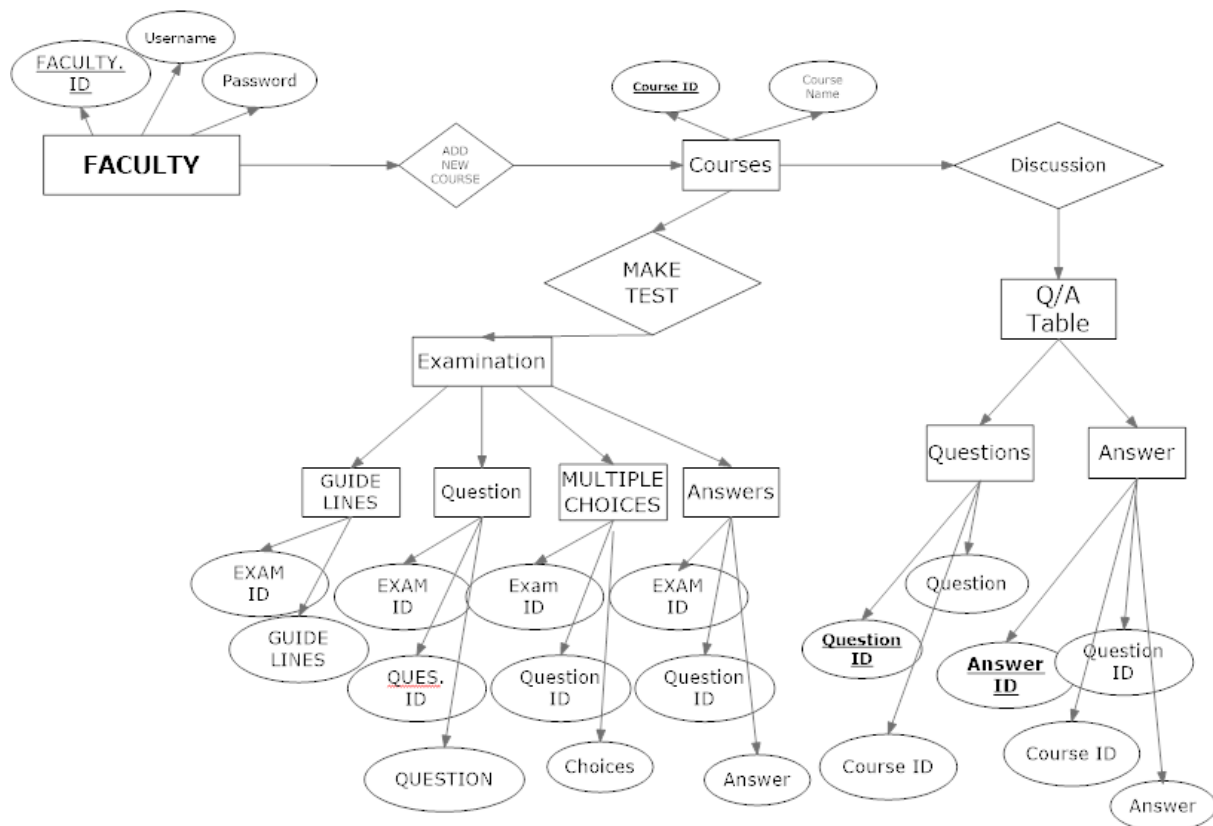
## Entity Relationship Daigrams :



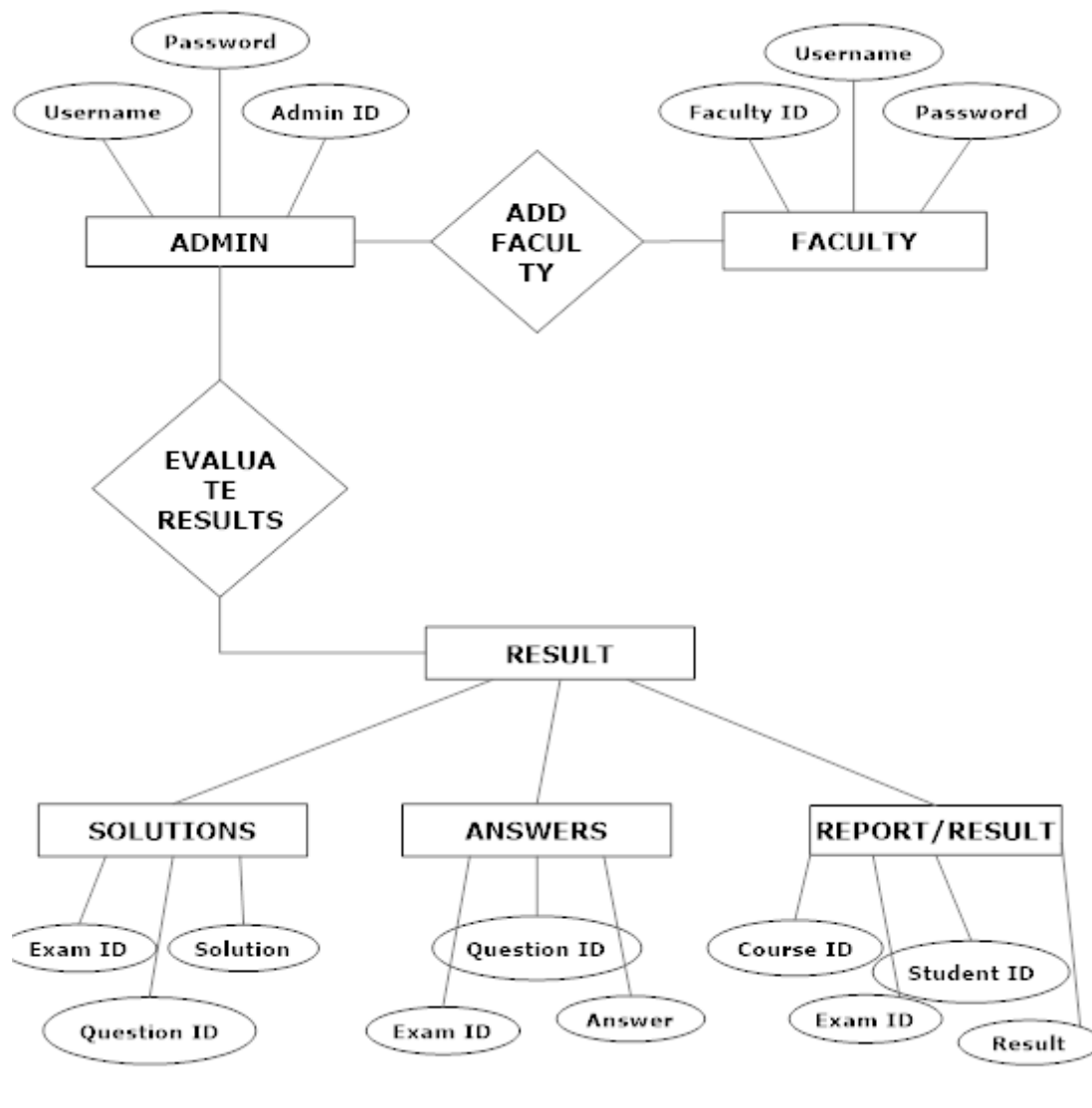
Entity relationship between Candidate , Faculty and Admin



ERD of databases connected to the student Database



ERD of databases connected to the Faculty database



ERD of the admin database and database responsible  
For storing result of candidate .

## DATA DICTIONARY

### CANDIDATE:

**Purpose:** variable which store information about the candiadates enrolled in online examination portal.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Username	Varchar	25	Name of the user
Password	Varchar	8-20	User password
Candidate Id	Unsigned Integer	6	Primary key, Autoincrement

### FACULTY

**Purpose:** variables that store information about faculties.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Username	Varchar	25	Name of the faculty
Password	Varchar	8-20	Faculty password
Faculty Id	Unsigned Integer	6	Primary key, Autoincrement.

### COURSES

**Purpose:** variables those store information about courses .

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Course Id	Unsigned integer	4	Primary key, Autoincrement
Course name	Varchar	20	Name of the course

### DISCUSSION PANEL QUESTIONS

**Purpose:** Variable that store information about questions asked in discussion panel .

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
DP Question Id	Unsigned Integer	6	Primary key, Autoincrement

Course Id	Unsigned Integer	4	Foreign key
DP Question	Varchar	500	Contain question

## DISCUSSION PANEL ANSWERS

**Purpose:** variable those store information regarding answers of respective discussion panel questions .

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
DP Answer Id	Unsigned Integer	6	Primary key, Autoincrement
DP Question Id	Unsigned Integer	6	Foreign key
Course Id	Unsigned Integer	4	Foreign key
DP Answer	Varchar	1000	Contains answer.

## GUIDELINES

**Purpose:** database to store guidelines about exams.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Exam Id	Unsigned Integer	6	Foreign key
Guidelines	Varchar	200	Guidelines of the exam

## QUESTIONS

**Purpose:** Database to store questions asked in examination.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Question Id	Unsigned Integer	6	Primary key , Autoincrement
Exam Id	Unsigned Integer	6	Foreign key
Question	Varchar	500	Contains question

## MULTIPLE CHOICES

**Purpose:** database to store multiple choices of each question in examination

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Question Id	Unsigned Integer	6	Foreign key
Exam Id	Unsigned Integer	6	Foreign key
Choice Id	Unsigned Integer	1 to 4	Primary key

Choice	Varchar	50	Contains choice
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## ANSWER

**Purpose:** database to store answer of particular question marked by candidate .

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Question Id	Unsigned Integer	6	Foreign key
Exam Id	Unsigned integer	6	Foreign key
Choice	Varchar	1 to 4	Contains choice

## REPORT

**Purpose:** database which stores the results of the candidates.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Candidate Id	Unsigned Integer	6	Foreign key
Course Id	Unsigned Integer	6	Foreign key
Exam id	Unsigned Integer	6	Foreign key
Result	Varchar	10	Contains Result

## SOLUTION

**Purpose:** Databse storing the correct answer of each

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Exam Id	Unsigned Integer	6	Foreign key
Question Id	Unsigned Integer	6	Foreign key
Choice Id	Unsigned Integer	1 to 4	Denotes the correct answer of the question.

## ADMIN

**Purpose:**database storing the information regarding the Admin of the system.

FIELD NAME	DATA TYPE	FIELD SIZE	DESCRIPTION
Username	Varchar	25	Name of the admin

Password	Varchar	8-20	Admin Password
Admin Id	Unsigned Integer	6	Primary key, Autoincrement



