KINGDOM OF SAUDI ARABIA
Ministry of Education
Al-Majmaah University
Collage of Science Al-Zulfi
Computer Science and Information

المملكة العربية السعودية
وزارة
التعليـــــــــــــــــــــم
جامعة

Survey System

Graduation Project Submitted in Partial

Fulfillment of the requirements for the award of

The Bachelor degree

By

Abdulaziz mowaffaq Alanazi

ID :341105861

Under Supervision

DR :Rafi Ullah

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ABSTRACT:

This article discusses some of the advantages and disadvantages of online survey research. Exploring current features and issues and constraints associated with services, such as online questionnaire features and services to facilitate the online survey, such as those offered by the online survey. The review shows that the current services for online survey can vary greatly in terms of available features and consumer costs, and restrictions. The researchers concluded that the online survey should be thoroughly evaluated research goals and research timeline and financial situation before choosing a particular service.

Table of Contents

Introduction

Surveys allows students to vote issues and needs wants and how the University can change this service to get better performance.

The University undertakes the following applicant and University-wide student surveys to provide current students with an opportunity to have their say about of university services . Results are used to identify strengths and weaknesses and to put in place changes to help improve the student of university services. A summary of each surveys findings is provided to department of Majmaa university and to students

Feasibility study

For the past few years, the Internet has been used by many companies in conducting all sorts of studies all over the world. Whether it is market or scientific research, the online survey has been a faster way of collecting data from the respondents as compared to other survey methods such as paper-and-pencil method and personal interviews. Other than this advantage, the web-based survey also presents other pros and benefits for anyone who wishes to conduct a survey. However, one should consider the drawbacks and disadvantages of an online survey method.

The idea of the project:

Project idea of students' satisfaction with the services provided by the university, improvement of these services and the treatment of deficiencies and the need for other services.

A survey steps:

—* Know all services

—* Determine the services

—* Create A questionnaire

—* Test my questionnaire

—* Get A good sample

—* Collect the data

—* Organize the data

—*Weight the data

—* Analyze the data

—*Present the result

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User and system requirement document

1) Project description

The following section contains the user and system requirements for the Survey website. The location is the meeting point of the survey, both students and services. Users can read and answer questions regarding the services provided by the University of Majmaa.

The Website will be divided into two main sections. The first is the development of questions for services clearly provided by the University of Majmaa where users can log in to the website and answer questions created by the system administrator. In addition, a note is available on the service provided by the University of Majmaa to improve the service as well as the satisfaction of students for each service and perhaps add graphs chart.

Users

Survey site users who wish to answer questionnaires provided for university services or users. Users can act as both university and students while using the survey site. Users use their accounts to log on to the survey site. Any user of the app can act as:

- Students is anyone who has an account and benefits from the services of the University of Majmaa
- System administrator responsible for the development of questionnaires and extract the results of the system to work on improving these services Department : Anlyze data and update the services

Definitions :

To avoid ambiguity and to facilitate a good understanding of this report, the terms used are frequent such as the following table.

User's	DEFINITION
Student	Any person that owns account and can log in the Survey website.
Administrator	Any person that development of questionnaires and extract the results .
Department	Anlyze data and update the services

2) Functional requirements General website requirements Login:

Since all the operations that can be done using the website requires the student and administrator to be logged in, they can use the login forms For this matter, the server retrieves his info. If he has never logged to the website before, a new account must be created for student.

Modify profile information

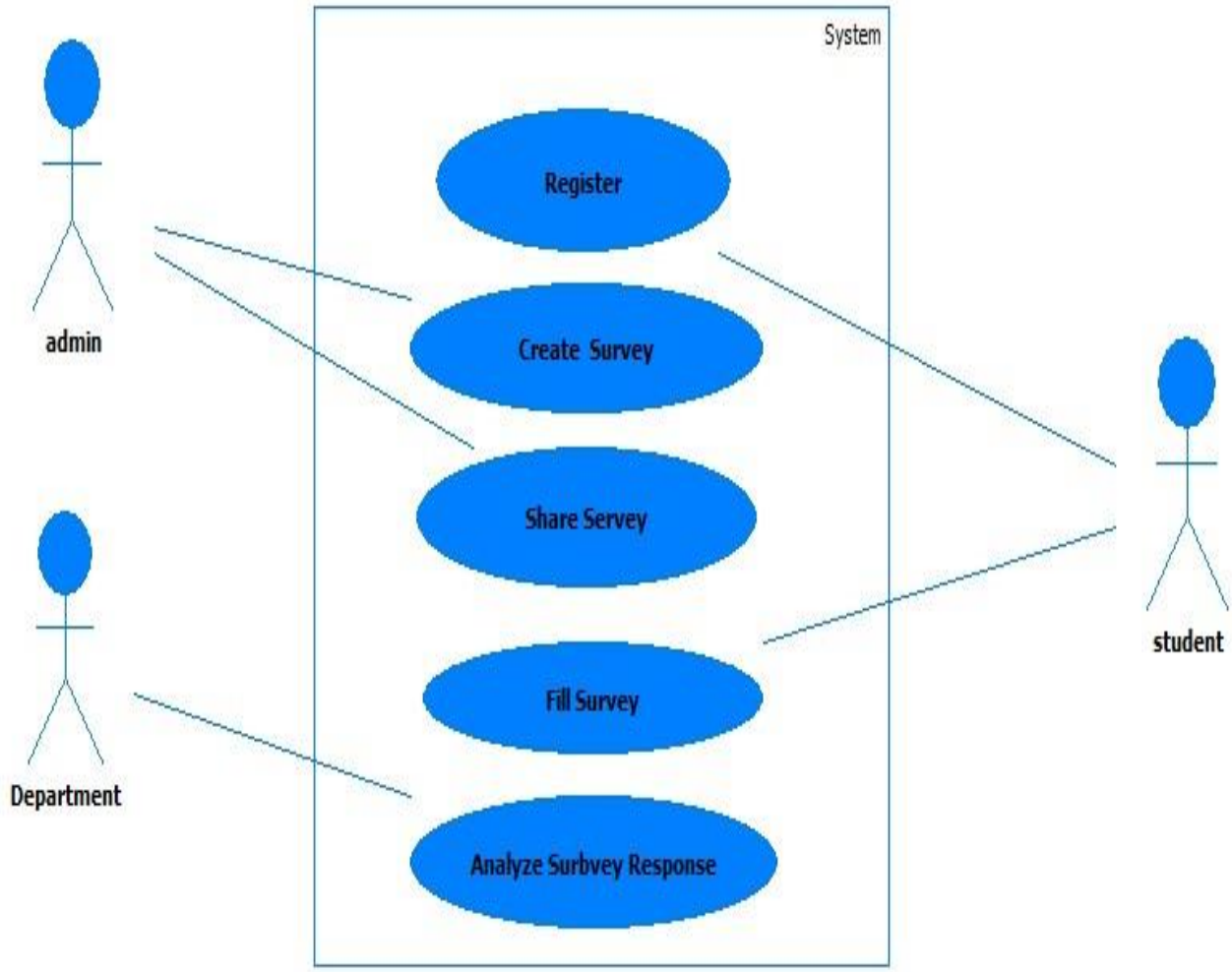
All users can modify their profile information. The profile information contain: name, phone number, email, faculty in University. The user can easily edit these information in order to be contacted and recognized.

Questionnaire :

The questions must be clear and answer the questions only one of the multiple choices for easy answer and each question reflects one of the services available at the University of Majmaa.

Use Case Diagram :

A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. The use case is made up of a set of possible sequences of interactions between systems and users in a particular environment and related to a particular goal.


System
Register
Create Survey
Share Servey
Fill Survey
Analyze Surbvey Response
admin
Department
student

Actors

Administrator: The person who prepares the surveys and share it with the registered users via mail.

Department: The person who analyzes and prepares reports on the filled surveys

Student: Is the actual and user who fills the survey forms after getting them via mail.

Actions

Register: The user registers to the website initially

Create Survey: The administrator creates the survey

Share Survey: Once the survey creates Admin shares this survey with end users

Fill Survey: End user fills and sends the response.

Analyze Surveys: once the survey responses start getting Manage can start analyzing them on different parameters

Creating a Question Survey :

Primary Actor: Admin (the User)

Goal: Creating a survey

1. User chooses the survey form

2. The website starts a new survey

3. User enters the question that he wants answered.

4. User chooses the format for responses (i.e. Multiple Choice)

5. User adds answer choices

6. User selects configurations for the survey

7. User submits and distributes the survey to takers .

Taking Question Survey

Primary Actor: student (the User)

Goal: Taking and submitting a Survey

1. User retrieves the survey (by clicking a link in an email and login website survey . etc)

2. User clicks on their choice for a response

3. User submits the survey.

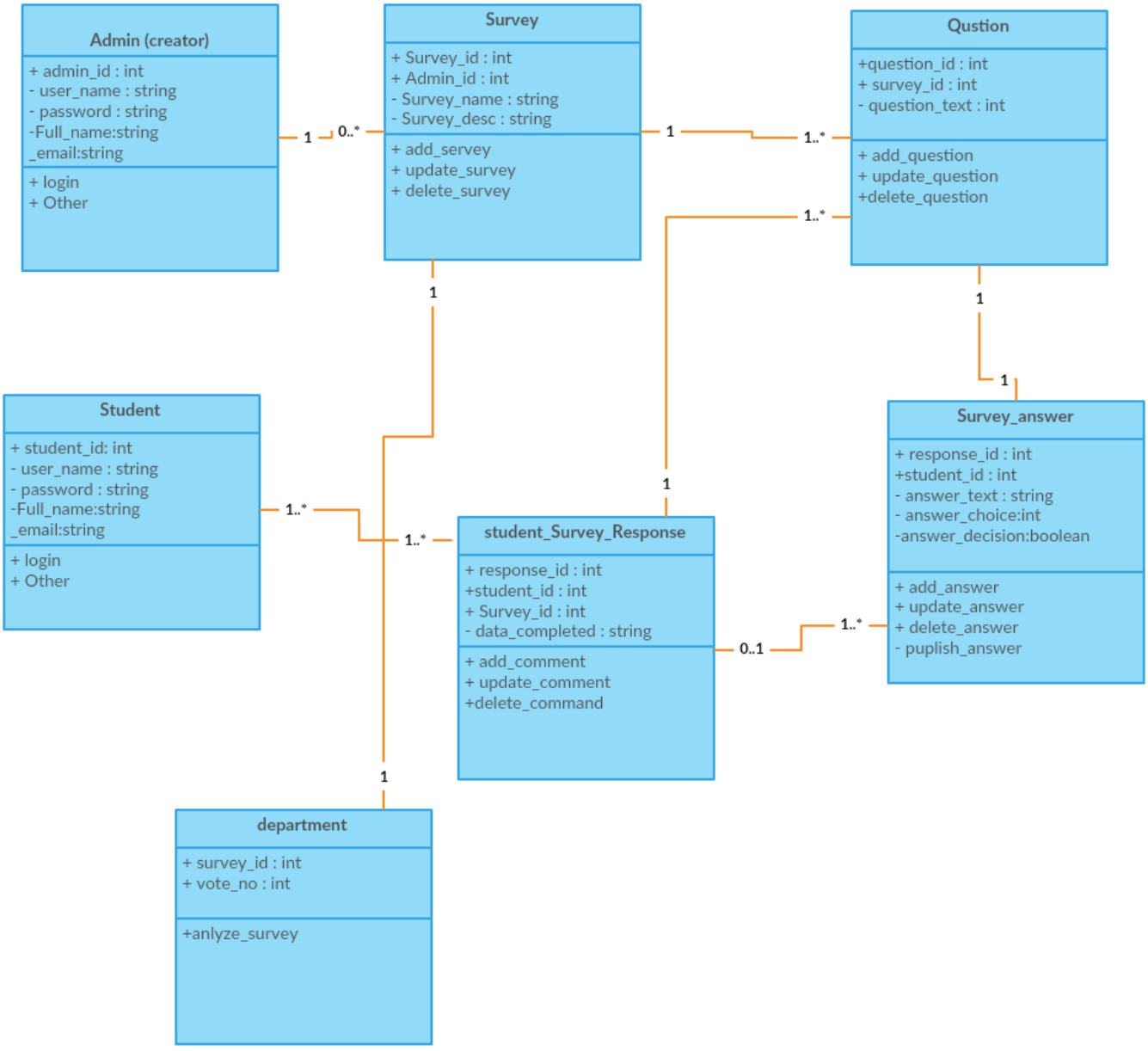
4. User is redirected to a results page (if one exists)

Taking Question Survey:

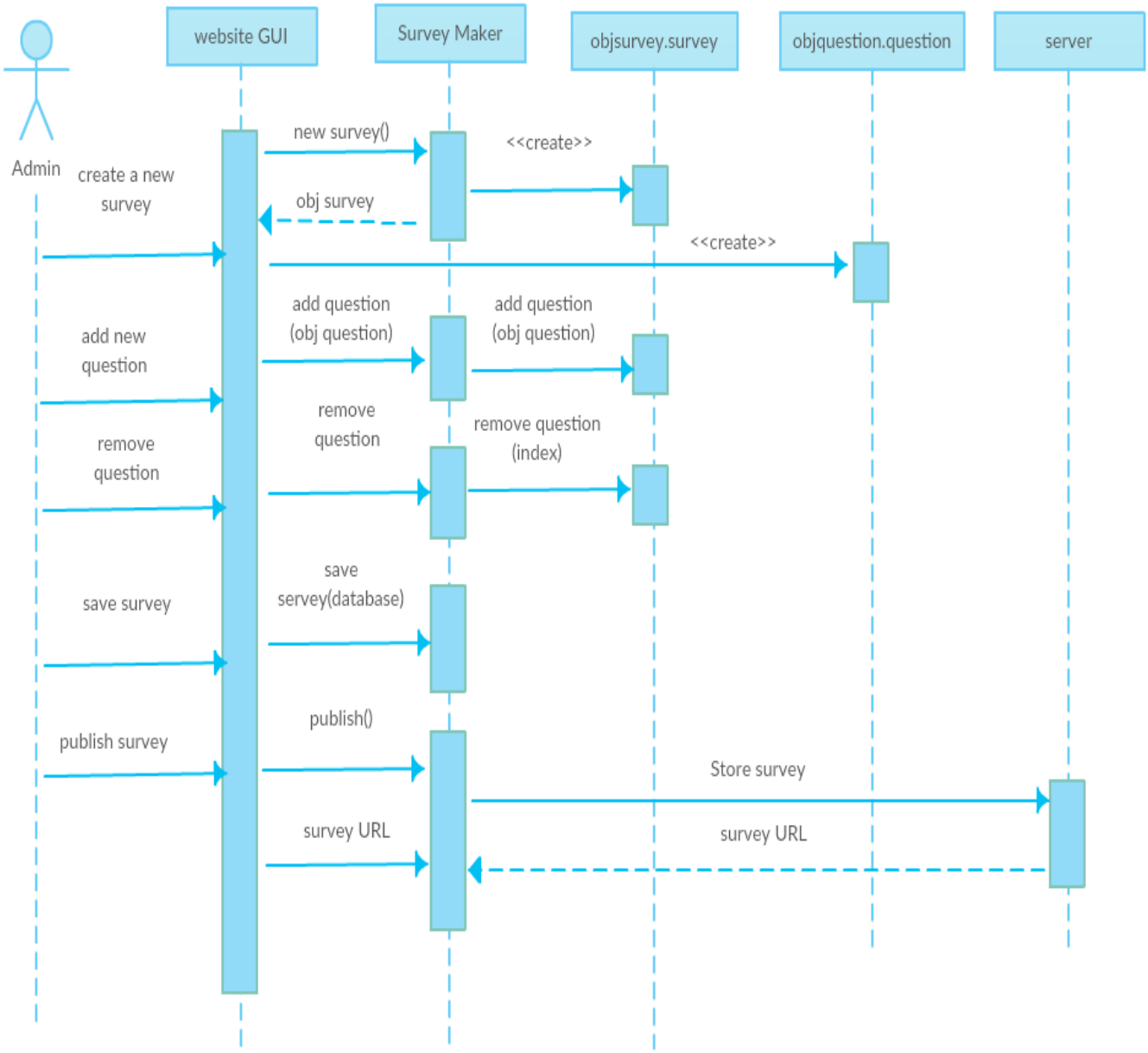
Primary Actor: department (the User)

Goal: analyzing the data of Survey

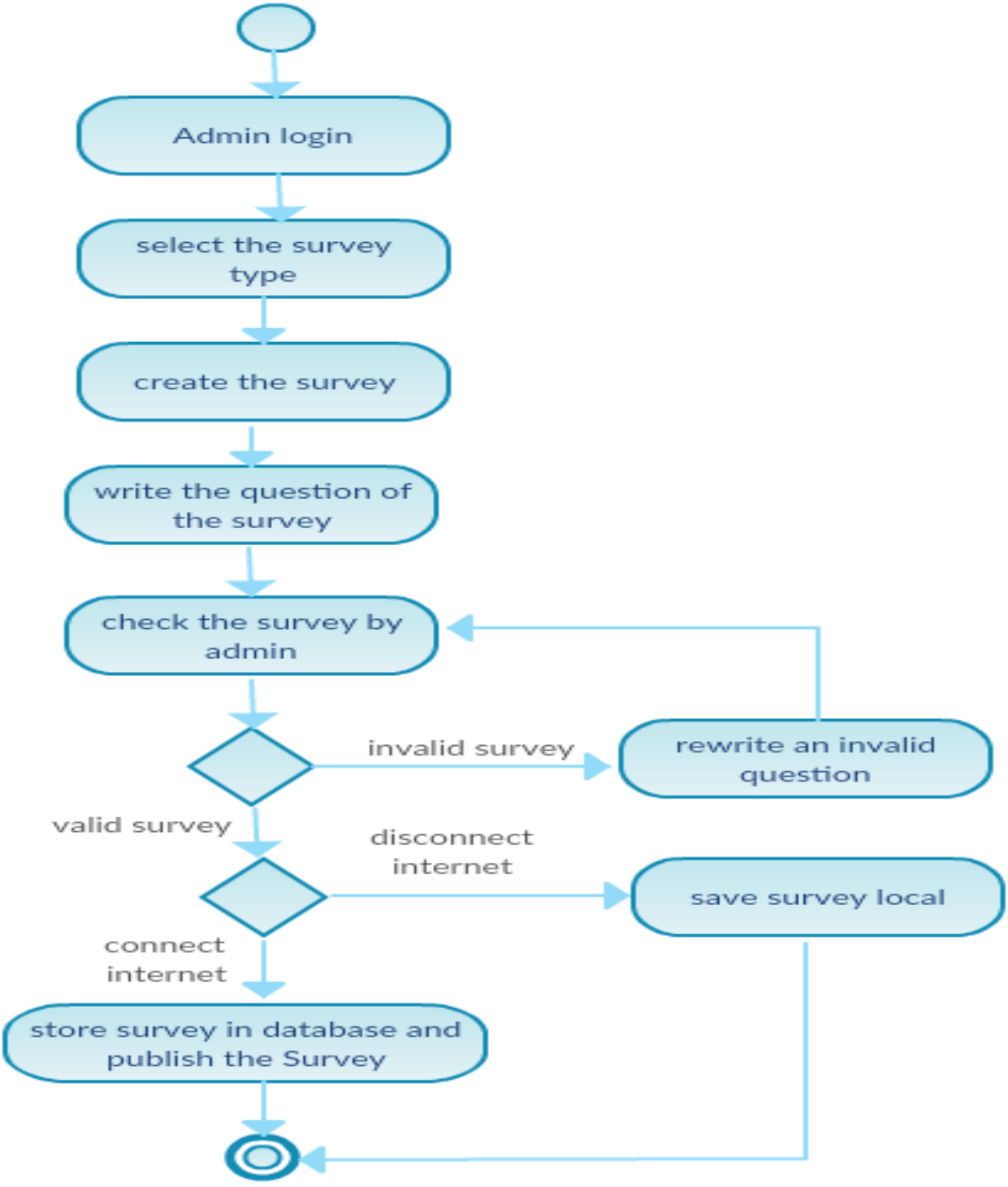
1. User taking result and try find the best service .


Admin (creator)
+ admin_id : int
- user_name : string
- password : string
-Full_name:string
_email:string
+ login
+ Other
1
0..*
Survey
+ Survey_id : int
+ Admin_id : int
- Survey_name : string
- Survey_desc : string
+ add_servey
+ update_survey
+ delete_survey
1
1..*
Qustion
+question_id : int
+ survey_id : int
- question_text : int
+ add_question
+ update_question
+delete_question
1..*
1
1
1
Student
+ student_id: int
- user_name : string
- password : string
-Full_name:string
_email:string
+ login
+ Other
1..*
1..*
1
student_Survey_Response
+ response_id : int
+student_id : int
+ Survey_id : int
- data_completed : string
+ add_comment
+ update_comment
+delete_command
0..1
1..*
Survey_answer
+ response_id : int
+student_id : int
- answer_text : string
- answer_choice:int
-answer_decision:boolean
+ add_answer
+ update_answer
+ delete_answer
- puplish_answer
1
department
+ survey_id : int
+ vote_no : int
+anlyze_survey

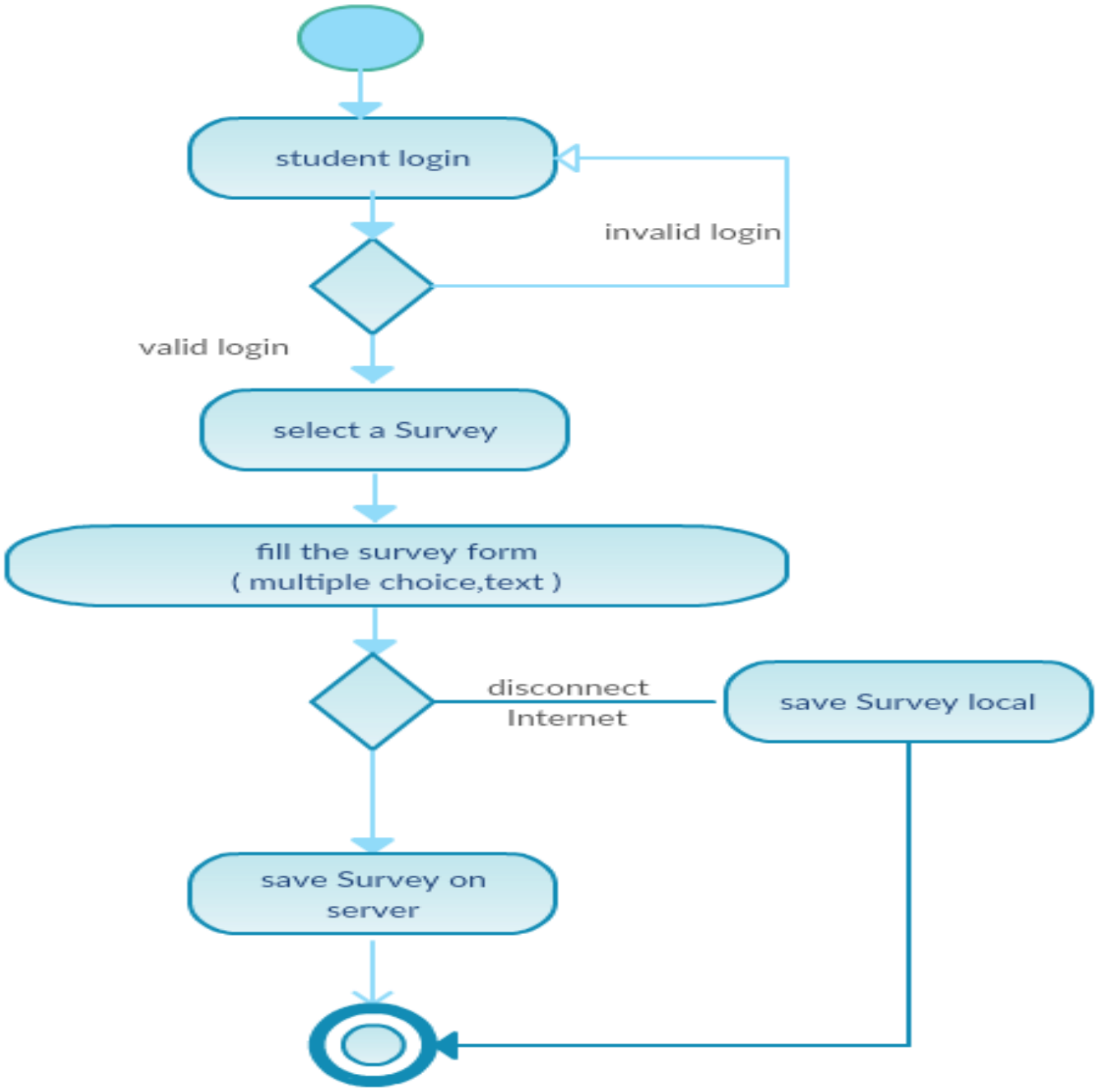
Sequence diagram for Admin



Active diagram for Admin



Active diagram for Student



SYSTEM DESIGN

Design:

A database is usually a fundamental component of the information system, especially in business oriented systems. Thus database design is part of system development. The following picture shows how database design is involved in the system development lifecycle.

The phases in the middle of the picture (Database Design, Database Implementation) are the phases that you concentrate on in the Database Design course. The other phases are briefly described. They are part of the contents of the Systems Analysis and Design courses, for example.

There are various methods of how the different phases of information system design, analysis and implementation can be done. Here the main tasks or goals are described but no method is introduced.

Database design:

The process of constructing a model of the data used in an enterprise independent of all physical consideration ,(important entities, relationship,

And attributes)

The database design phase is divided into three steps:

- conceptual database design:

In the conceptual database design phase, the model of the data to be used independent of all physical considerations is to be constructed. The model is based on the requirements specification of the system.

- logical database design:

In the logical database design phase, the model of the data to be used is based on a specific data model, but independent of a particular database management system is constructed. This is based on the target data model for the database e.g. relational data model.

- physical database design:

In the physical database design phase, the description of the implementation of the database on secondary storage is created. The base relations, indexes, integrity constraints, security, etc. are defined using the SQL language.

Entity : Real-world object distinguishable from other object

Relation : A table with columns and rows.

Attribute: A named column of a relation .

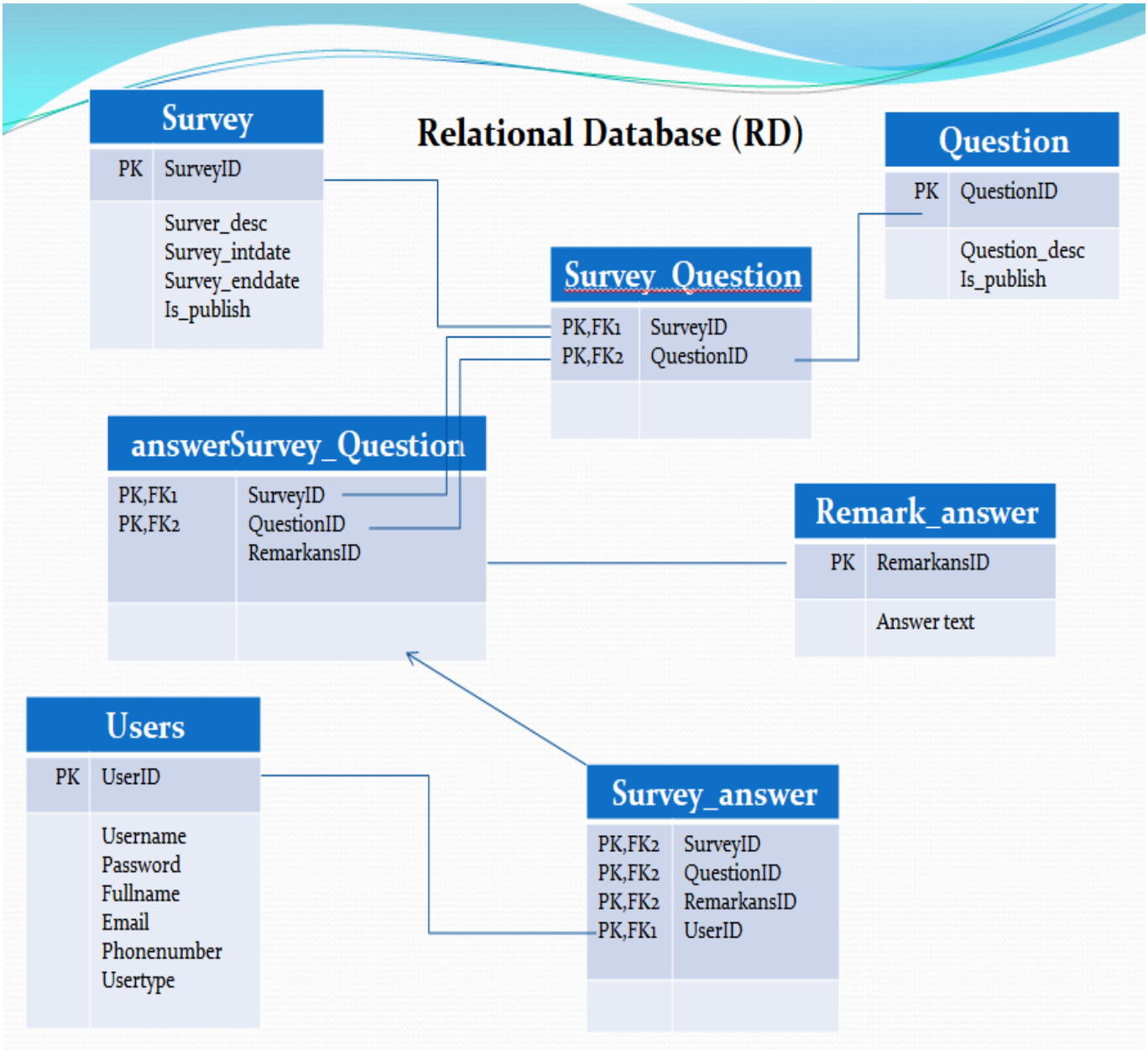
Relational database : A collection of normalized tables

Database Management System Selection:

This in an optional phase. When there is a need for a new database management system (DBMS), this phase is done. DBMS means a database system like Access, SQL Server, MySQL, Oracle.

Application Design:

In the application design phase, the design of the user interface and the application programs that use and process the database are defined and designed.


Relational Database (RD)
Survey
PK SurveyID
Surver_desc
Survey_intdate
Survey_enddate
Is_publish
Question
PK QuestionID
Question_desc
Is_publish
Survey_Question
PK,FK1 SurveyID
PK,FK2 QuestionID
answerSurvey_Question
PK,FK1 SurveyID
PK,FK2 QuestionID
RemarkansID
Remark_answer
PK RemarkansID
Answer text
Users
PK UserID
Username
Password
Fullname
Email
Phonenumber
Usertype
Survey_answer
PK,FK2 SurveyID
PK,FK2 QuestionID
PK,FK2 RemarkansID
PK,FK1 UserID

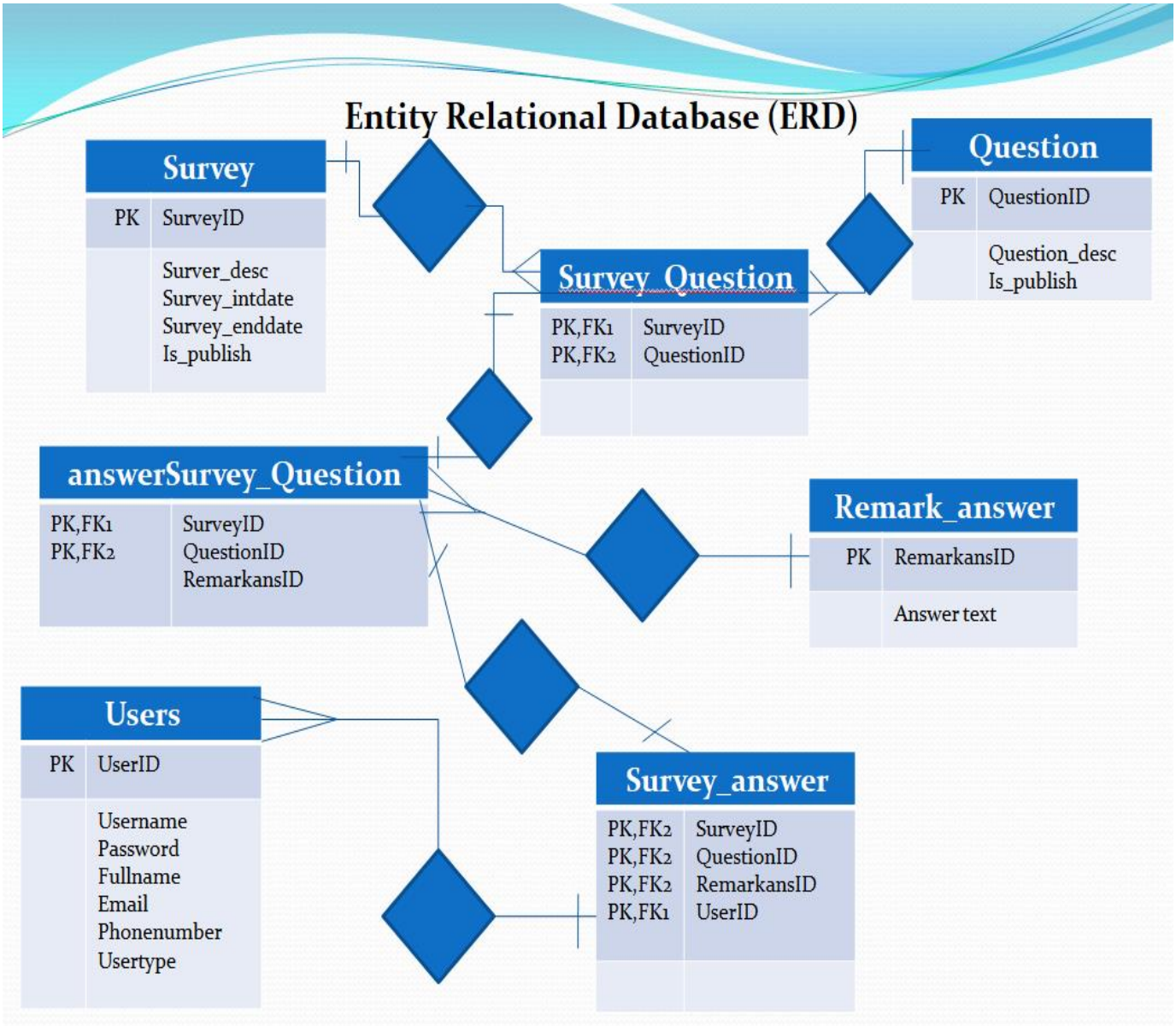

Entity Relational Database (ERD)
Survey
PK SurveyID
Surver_desc
Survey_intdate
Survey_enddate
Is_publish
Question
PK QuestionID
Question_desc
Is_publish
Survey_Question
PK,FK1 SurveyID
PK,FK2 QuestionID
answerSurvey_Question
PK,FK1 SurveyID
PK,FK2 QuestionID
RemarkansID
Remark_answer
PK RemarkansID
Answer text
Users
PK UserID
Username
Password
Fullname
Email
Phonenumber
Usertype
Survey_answer
PK,FK2 SurveyID
PK,FK2 QuestionID
PK,FK2 RemarkansID
PK,FK1 UserID

Table Survey

Survey		
note	Column name	Data type
PK	SurveyID	Integer
	Surver_desc	String
	Survey_intdate	Date
	Survey_enddate	Date
Yes/no	Is_publish	Boolean

Table Question

Question		
note	Column name	Data type
PK	QuestionID	Integer
	Question_desc	String
Yes/no	Is_publish	Boolean

Table Survey_Question

Question		
note	Column name	Data type
PK,FK1	SurveyID	Integer
PK,FK2	QuestionID	Integer

Table Remark_answer

Remark_answer		
note	Column name	Data type
PK	RemarkansID	Integer
	Answer text	String

Table answerSurvey_Question

answerSurvey_Question		
note	Column name	Data type
PK,FK1	SurveyID	Integer
PK,FK2	QuestionID	Integer
PK,FK2	RemarkansID	Integer

Table Users

Remark_answer		
note	Column name	Data type
PK	UserID	Integer
	Username	String
	Password	String
	Fullname	String
	Email	String
	Phonenumber	String
Admin/Student/department	Usertype	Integer

Table Survey_answer

Survey_answer		
note	Column name	Data type
PK,FK1	SurveyID	Integer
PK,FK2	QuestionID	Integer
PK,FK2	RemarkansID	Integer
PK,FK1	UserID	Integer

Design Website

Component my website:

website consist of two main component :

1- Front end component

In front end component I build the interface customer or guest use.

2- Backend component

In backend component I build the interface admin use.

Front end component interface:

Consist of many pages to show by customer or guest

1- Home page

2- Login and register page

3- Show menu of many survey

4- Question of survey

5- My account page

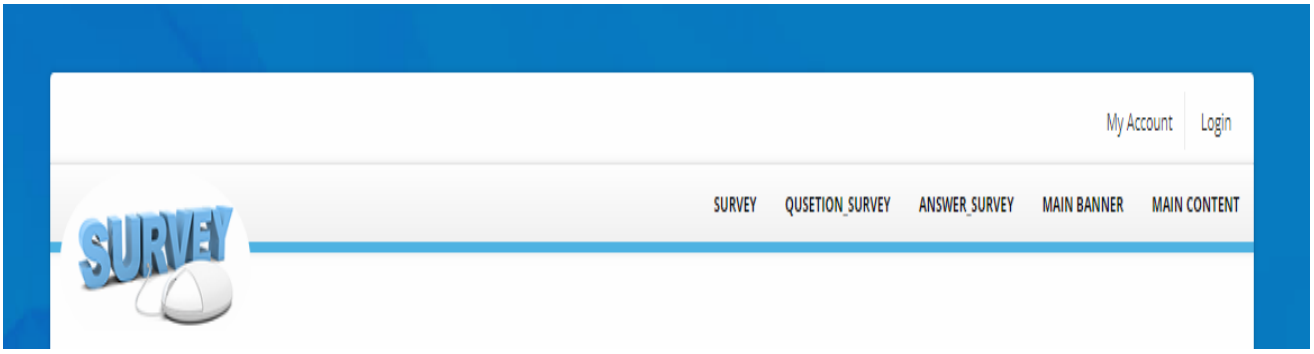
Programs use to build my website

apache server to build database and execute PHP code.	
Code editor to build my pages of website	

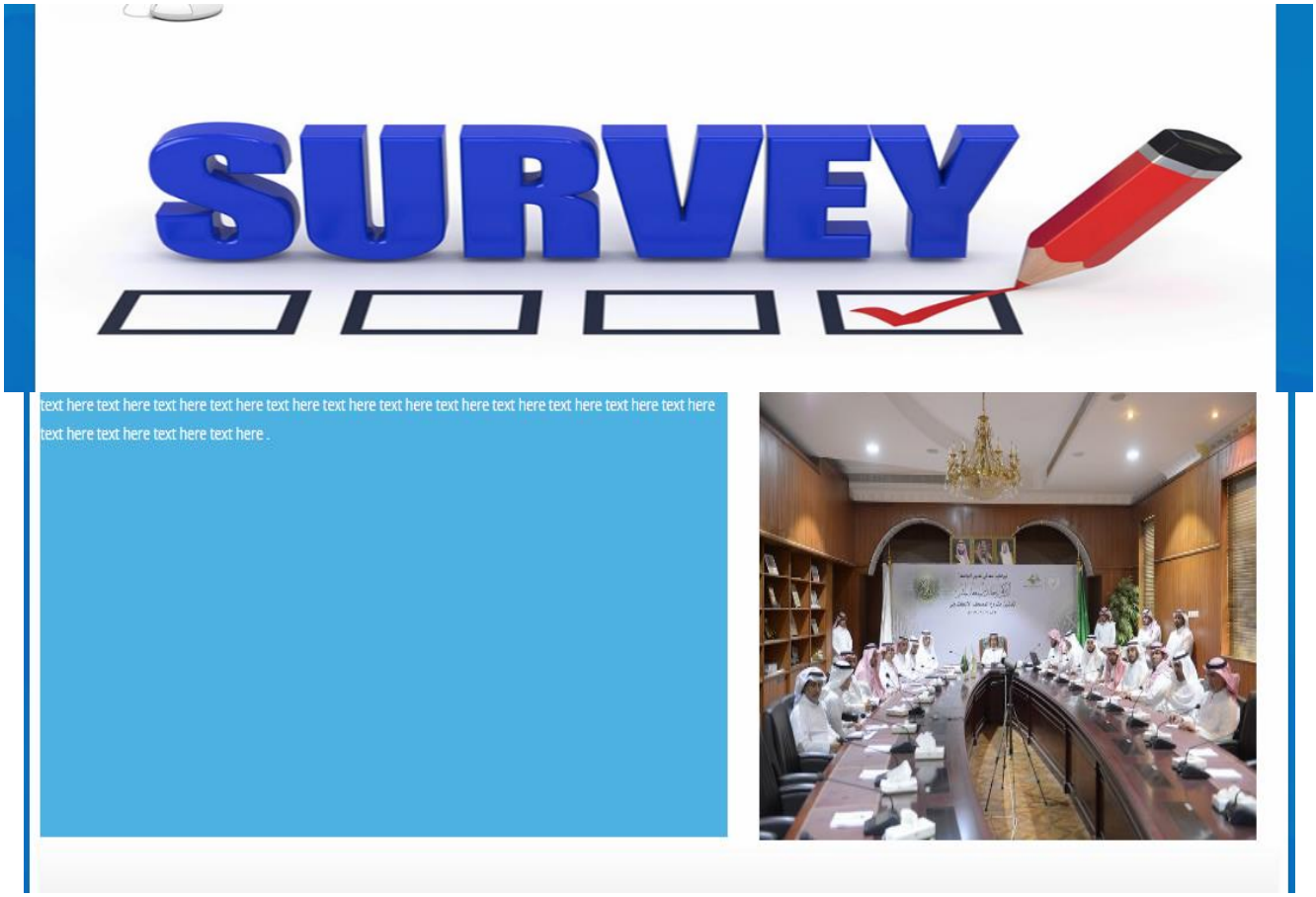
First build home page :

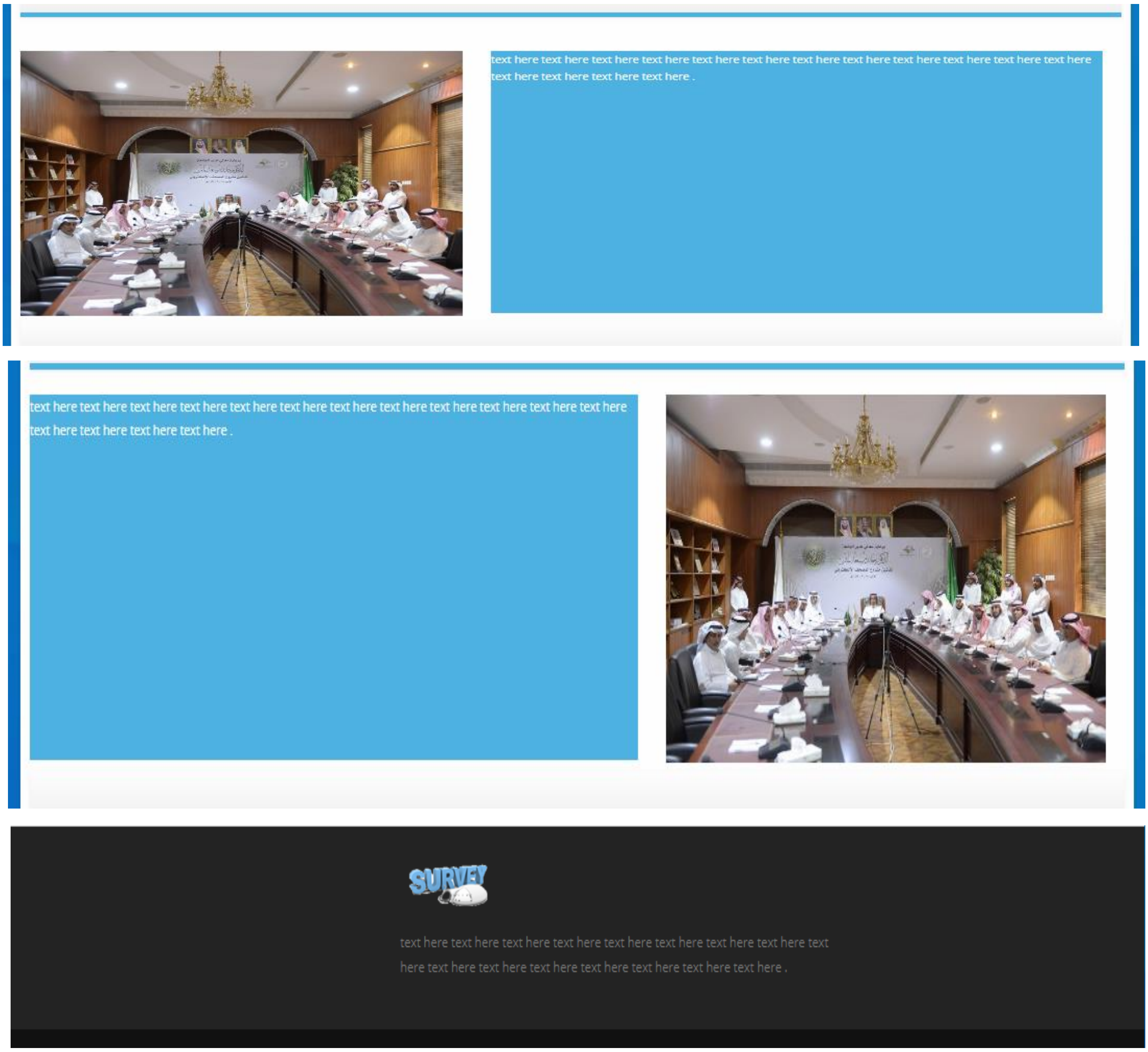
Home page consist of many sections

- Header section **and** Menu bar section **and** Logo of survey section



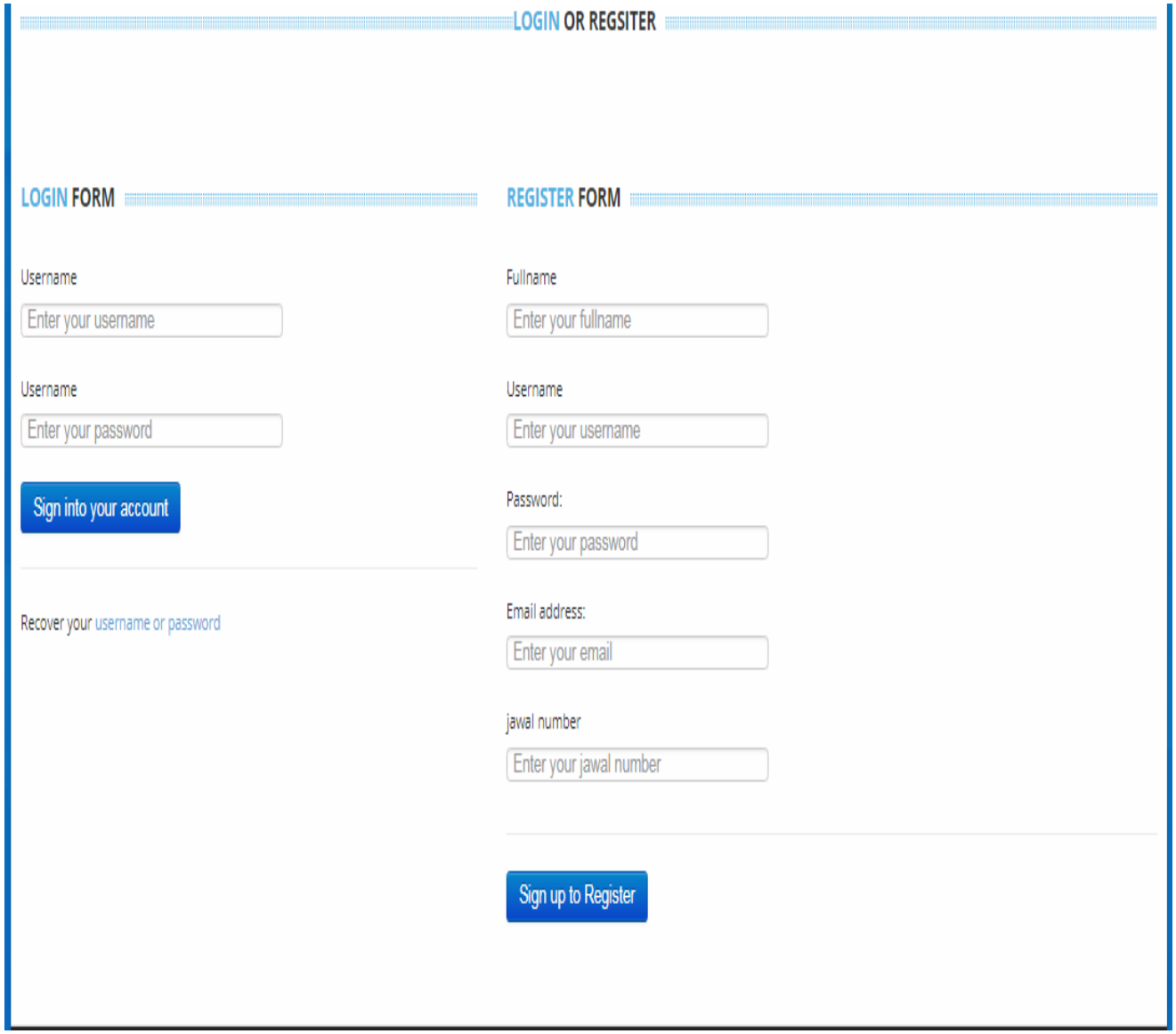
- Banner show section**:**





- Footer section

Login and Register page



previous page contain two selection :

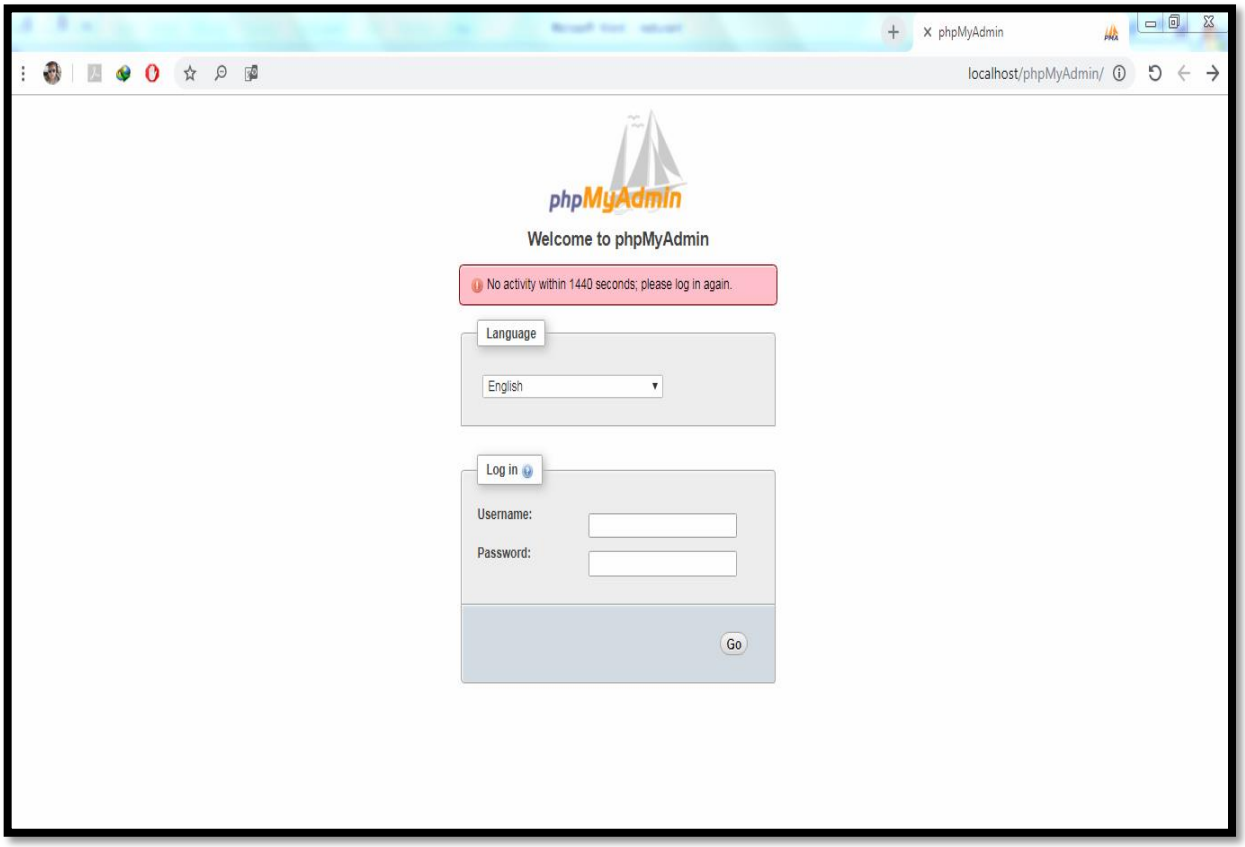
1- **First selection login means the customer is record in database in my Survey**
2- **Second selection Register means the customer is guest and not record in my Database in my Survey.**

Create database and table by mysql.

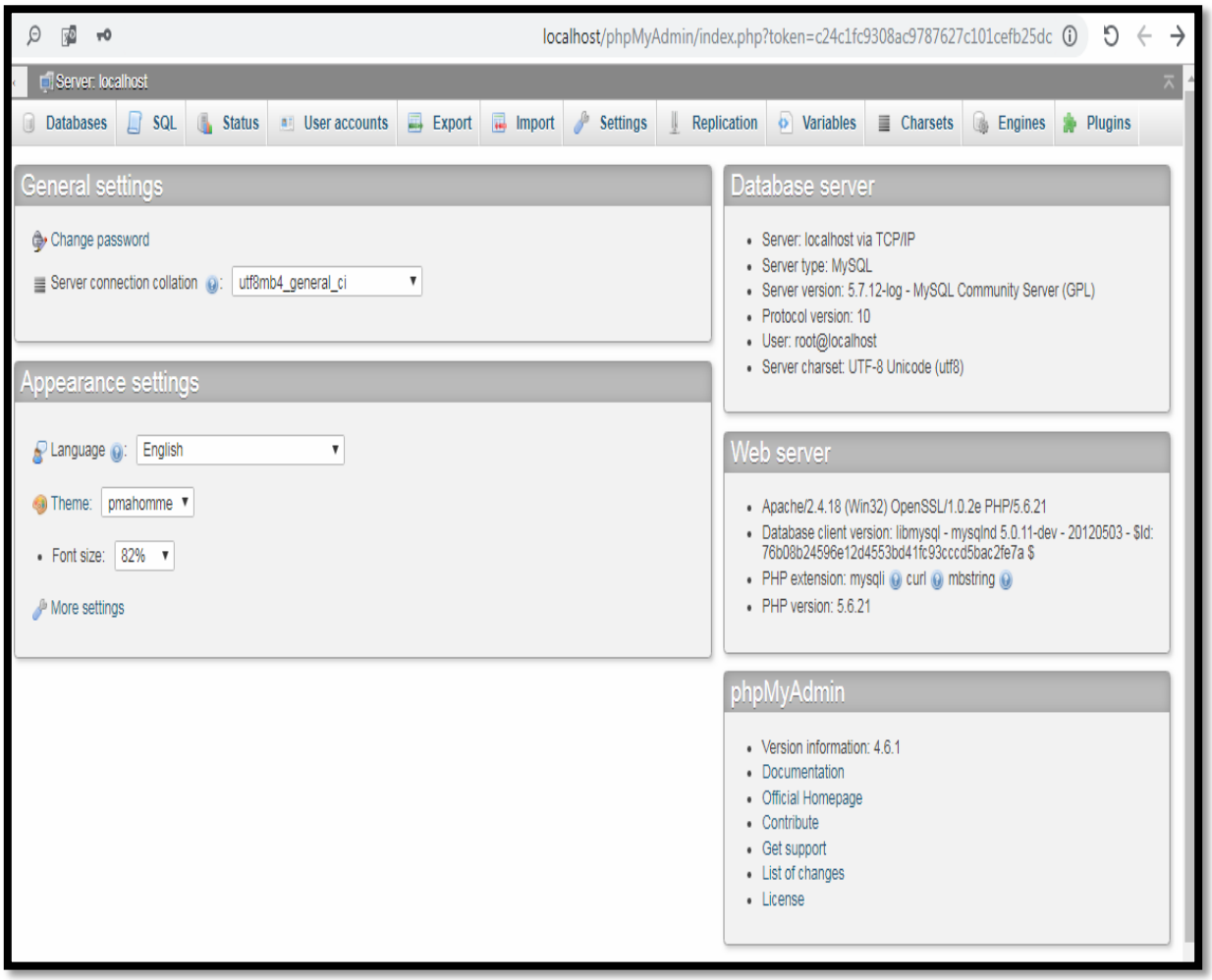
Step to create database : restaurant

1- In browser write localhost

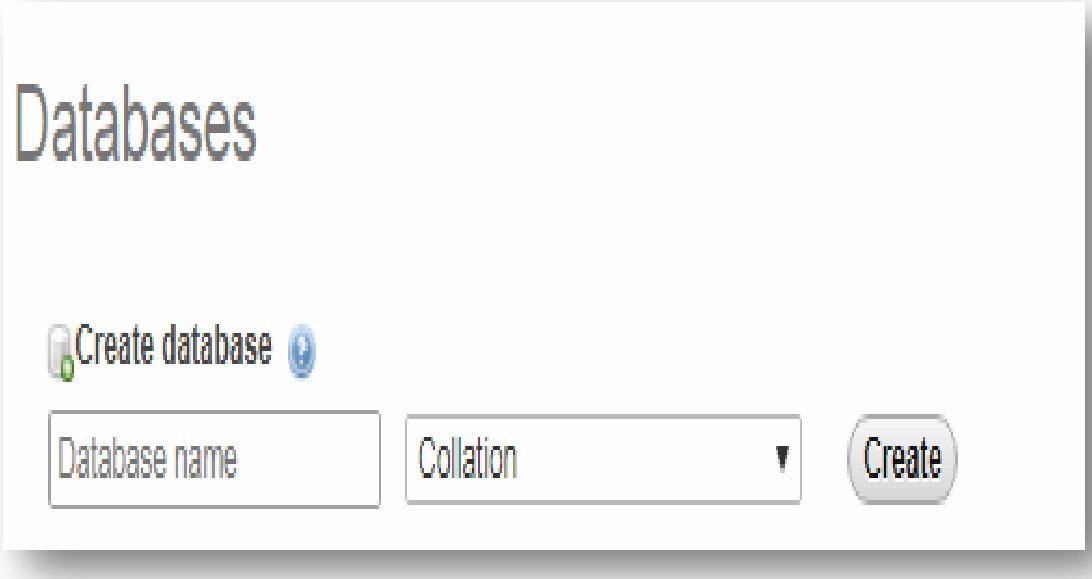
2- Choose phpMyAdmin Database Manager version 4.6.



3- Write usename and password to login a localhost .

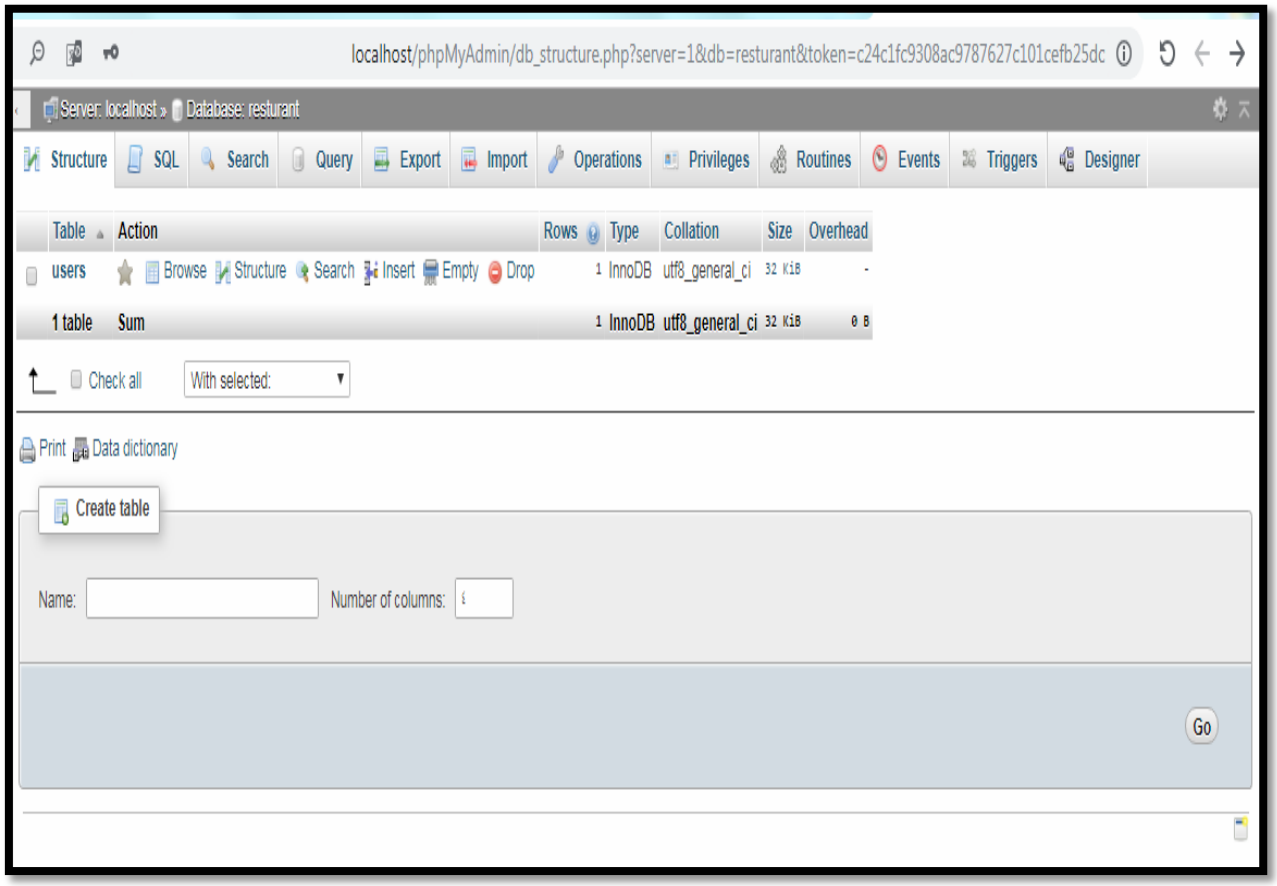


4- and click new to create database Survey2018.

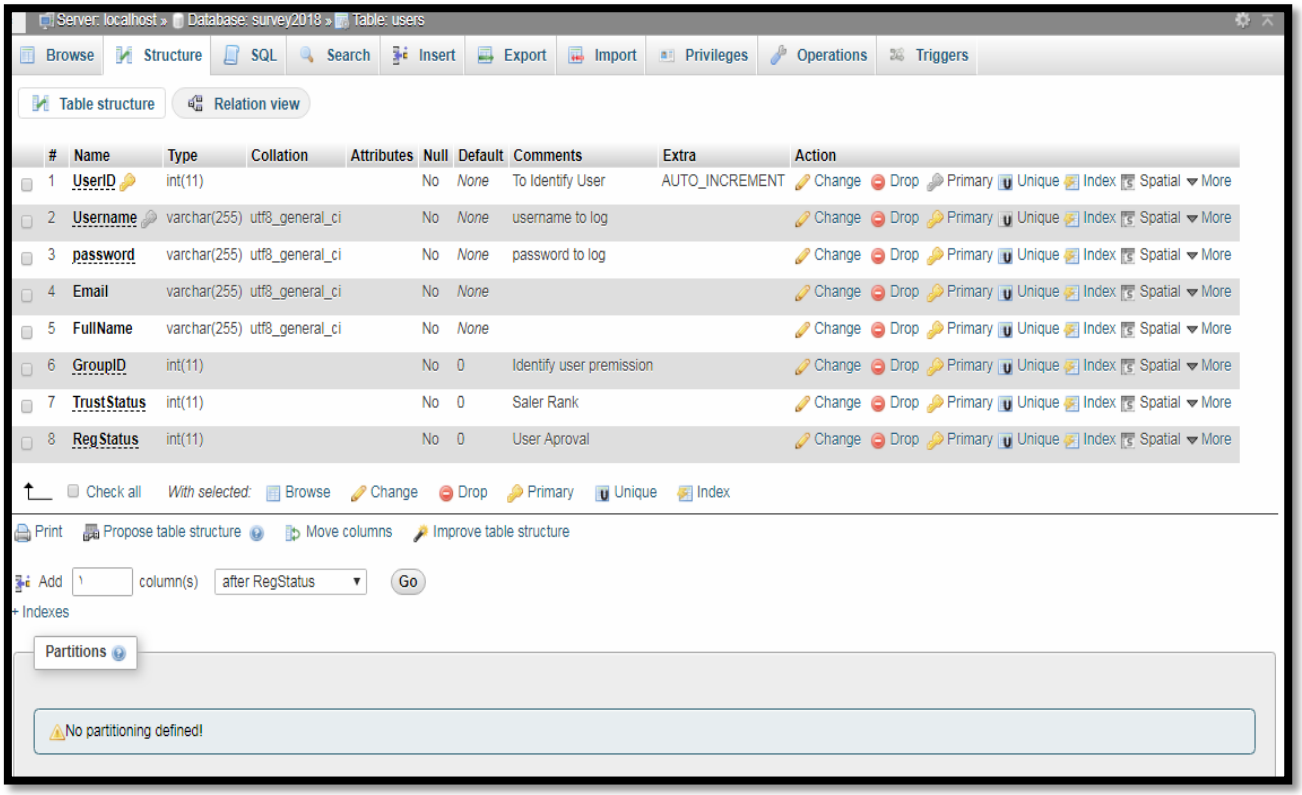


Write Database name : survey2018 and choose collation : utf8_general_ci

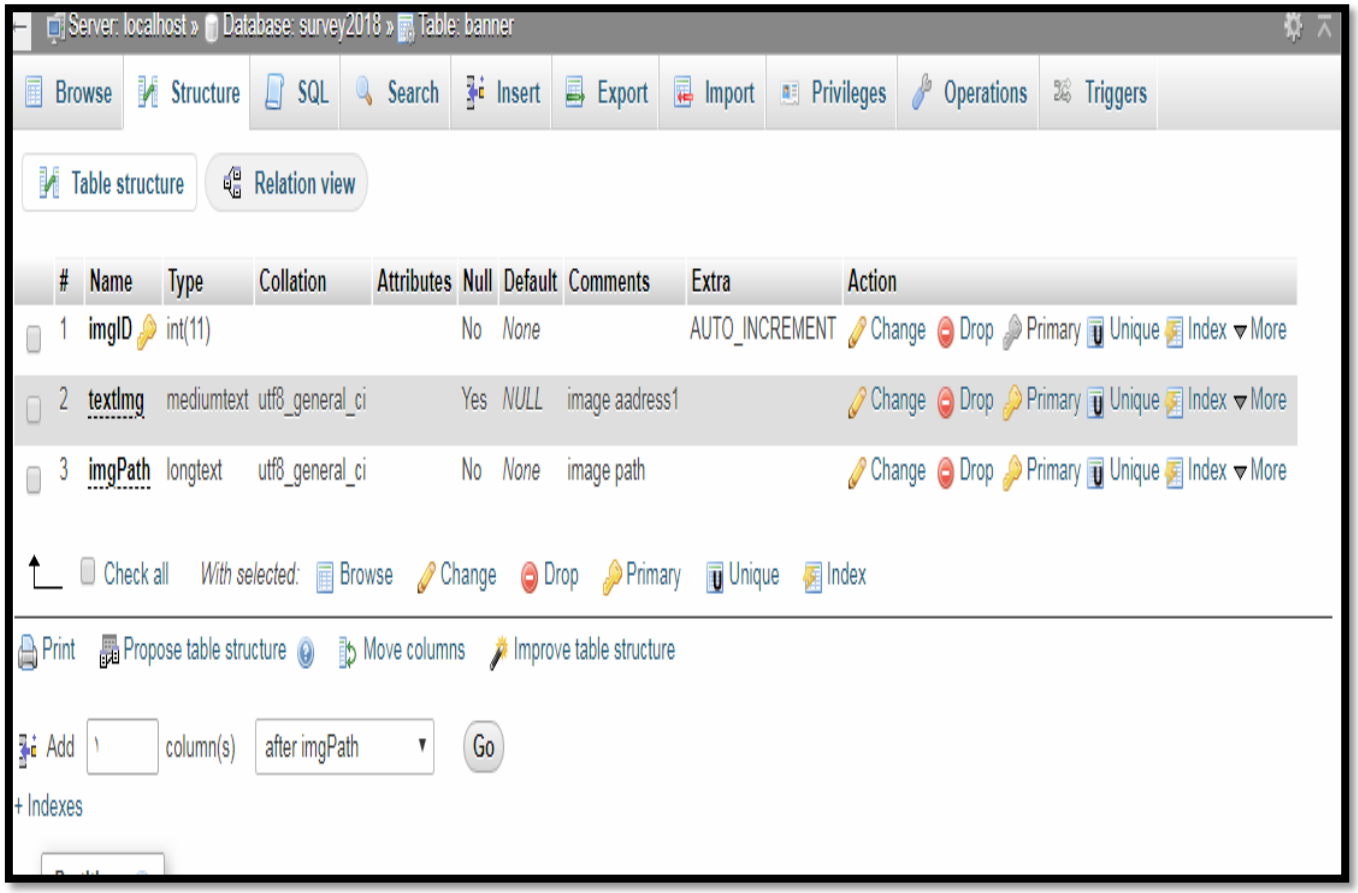
5- in left side show survey database click it.



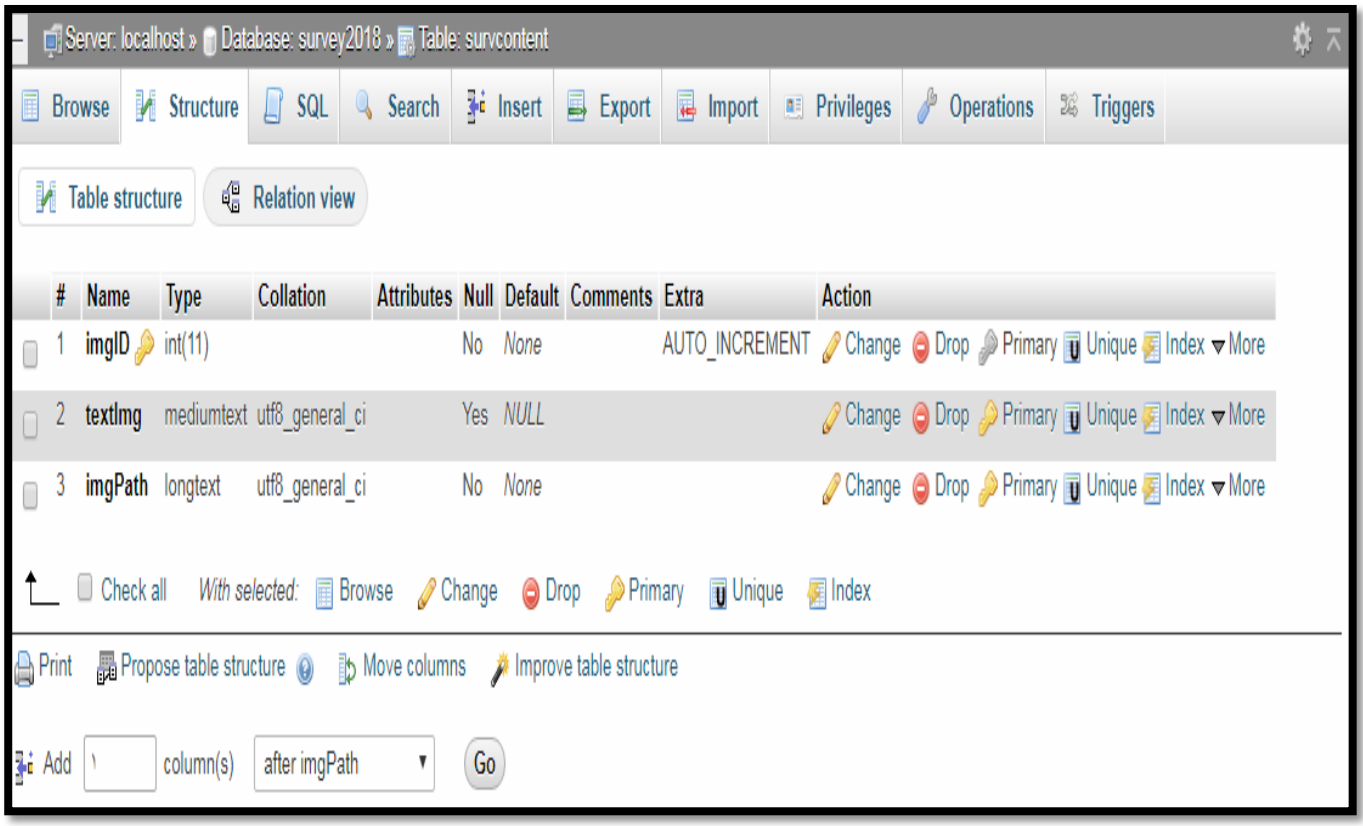
6- Write table name :user and number of fields in this table .



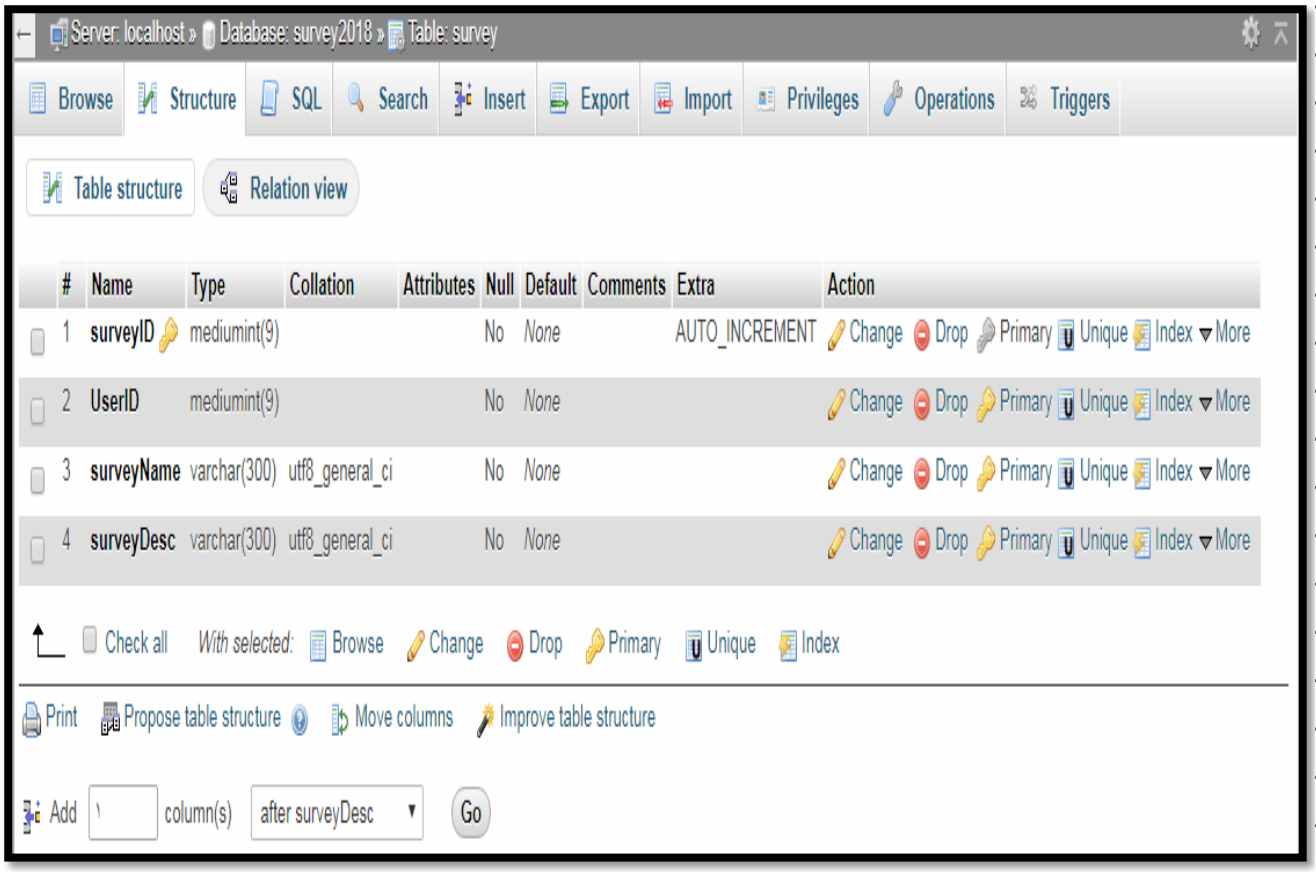
7- Write table name: banner and number of fields in this table .



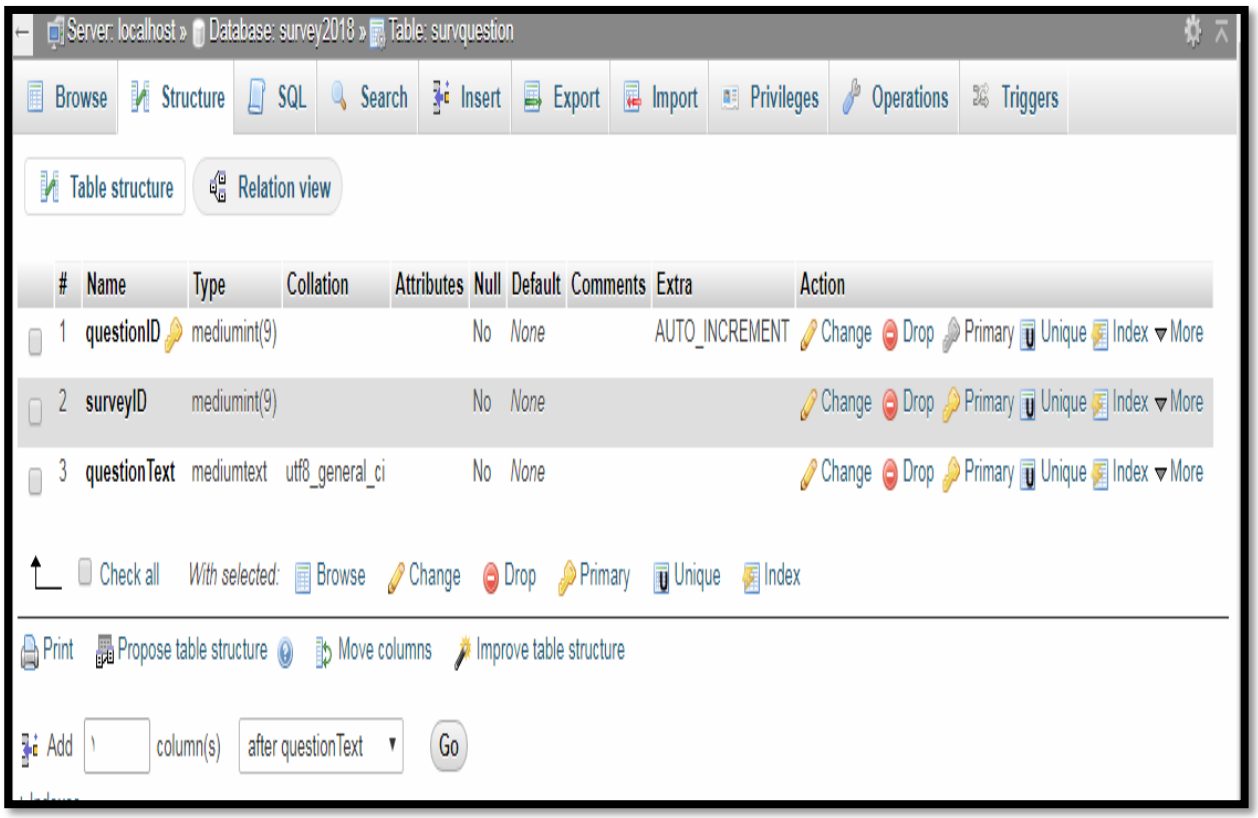
8- Write table name : surveycontent



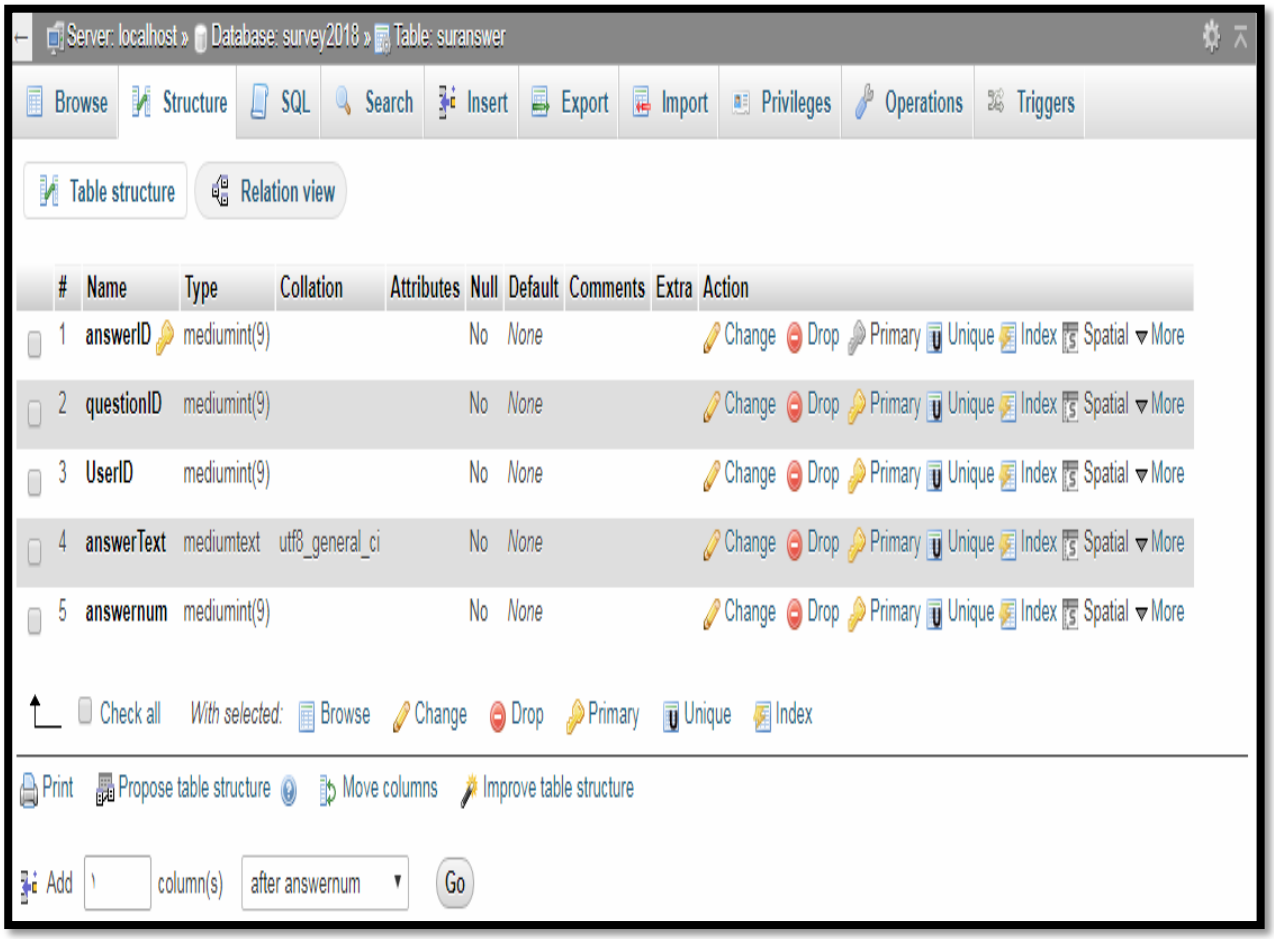
9- Write table name : survey



10- Write table name : survquestion



11-Write table name : surveyanswer



User interface with Admin

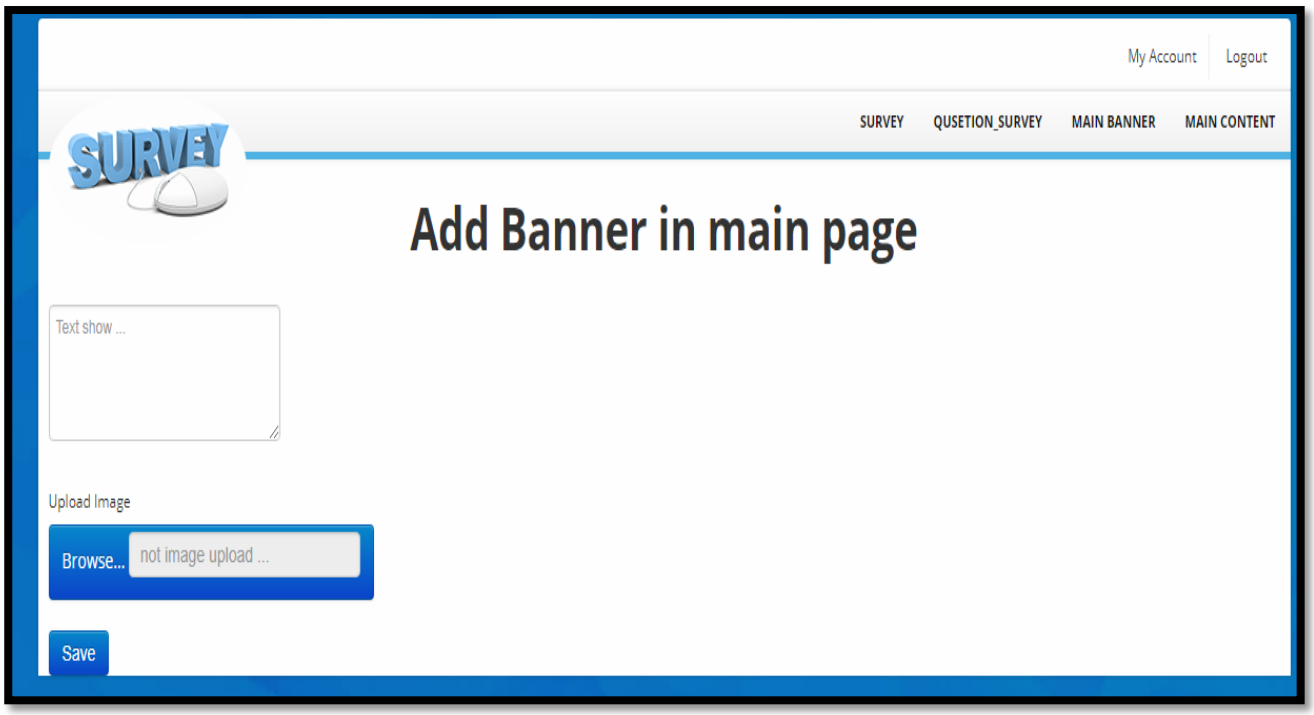
The control panel uses from Admin in website

An image above contain bar menu to control website

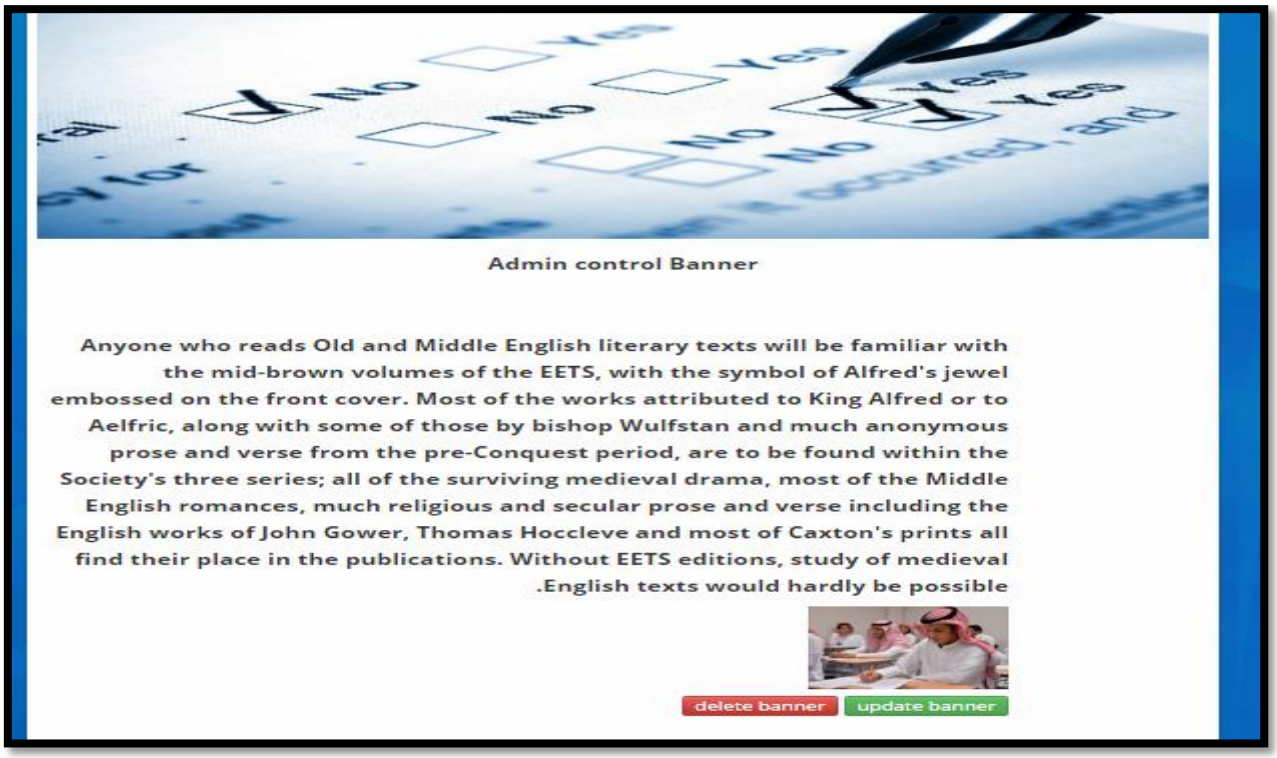
Survey question_Survey Main_banner Main_content

If we click main banner show

- Addbanner



- Bannershow



If we click update banner allow me to update image-text and show

If we click main content show

- Add content

- Show content

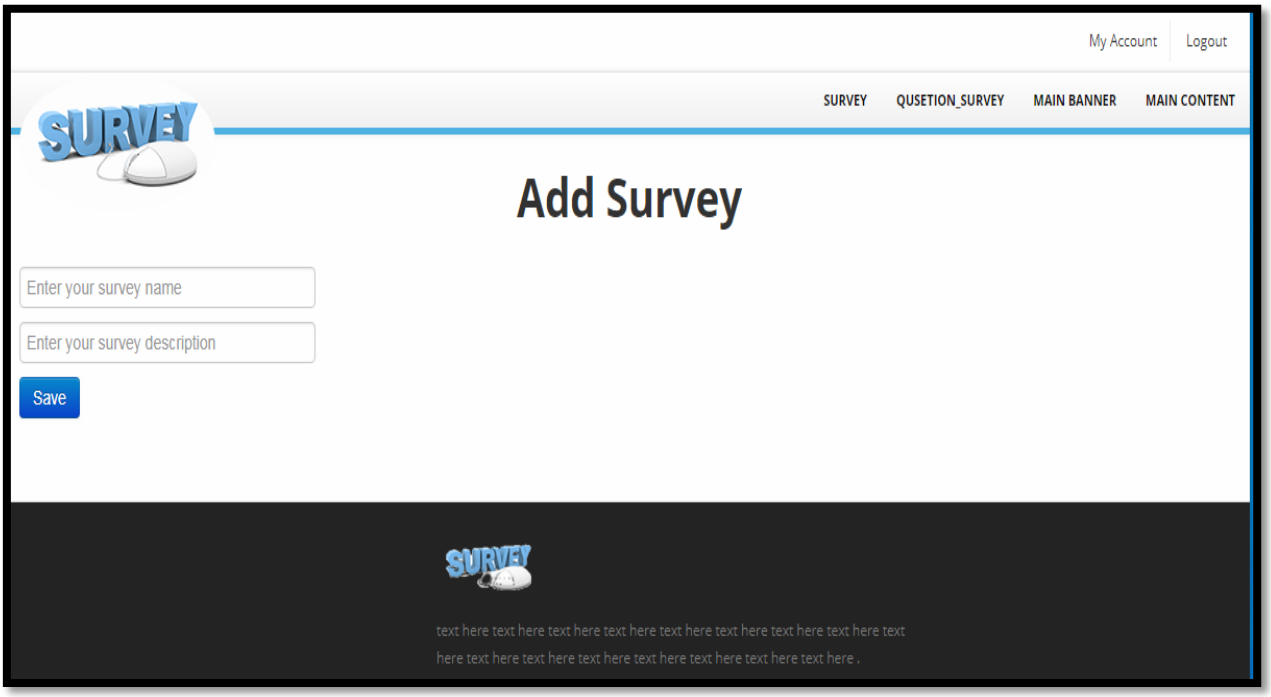
As its name states, EETS was begun as a 'club', and it retains certain features of that even now. It has no physical location, or even office, no paid staff or editors, but books in the Original Series are published in the first place to satisfy subscriptions paid by individuals or institutions. This means that there is need for a regular sequence of new editions, normally one or two per year; achieving that sequence can pose problems for the Editorial Secretary, who may have too few or too many texts ready for publication at any one time. Details on a separate sheet explain how individual (but not institutional) members can choose to take certain back volumes in place of the newly published volumes against their subscriptions. On the same sheet are given details about the very advantageous discount available to individual members on all back numbers

deletecontent update content

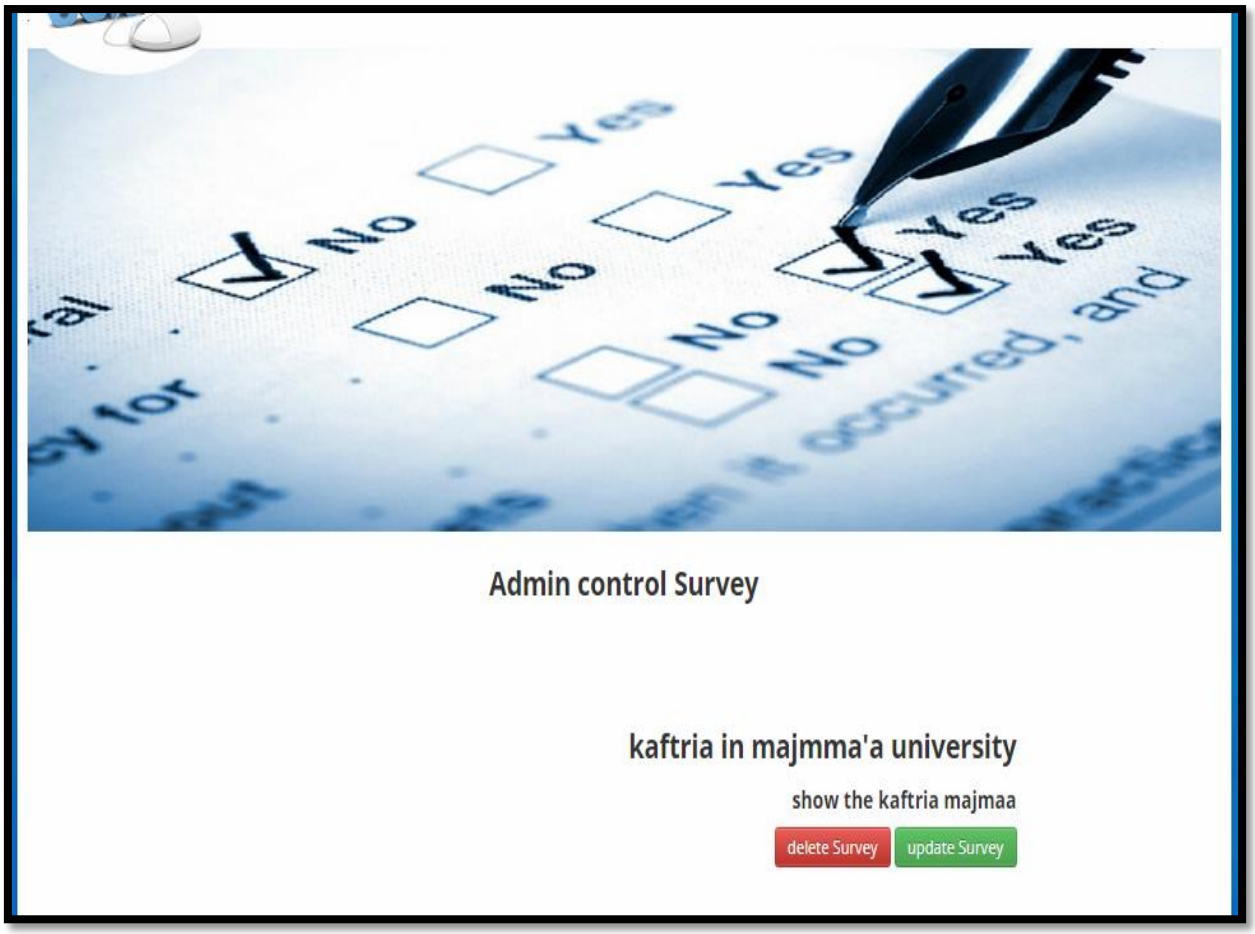
If we click update content allow me to update image-text and show

If we click Survey choose from two option

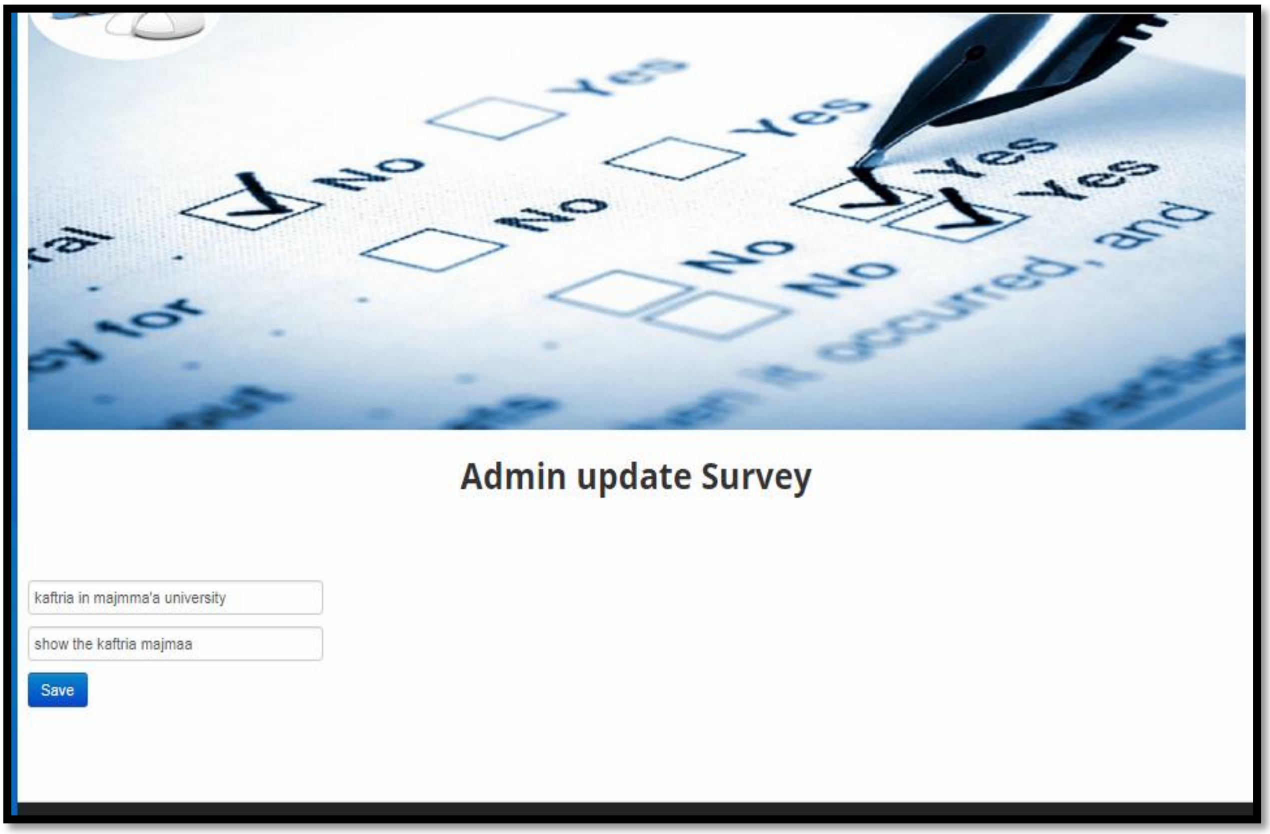
- Add survey



- Show Survey

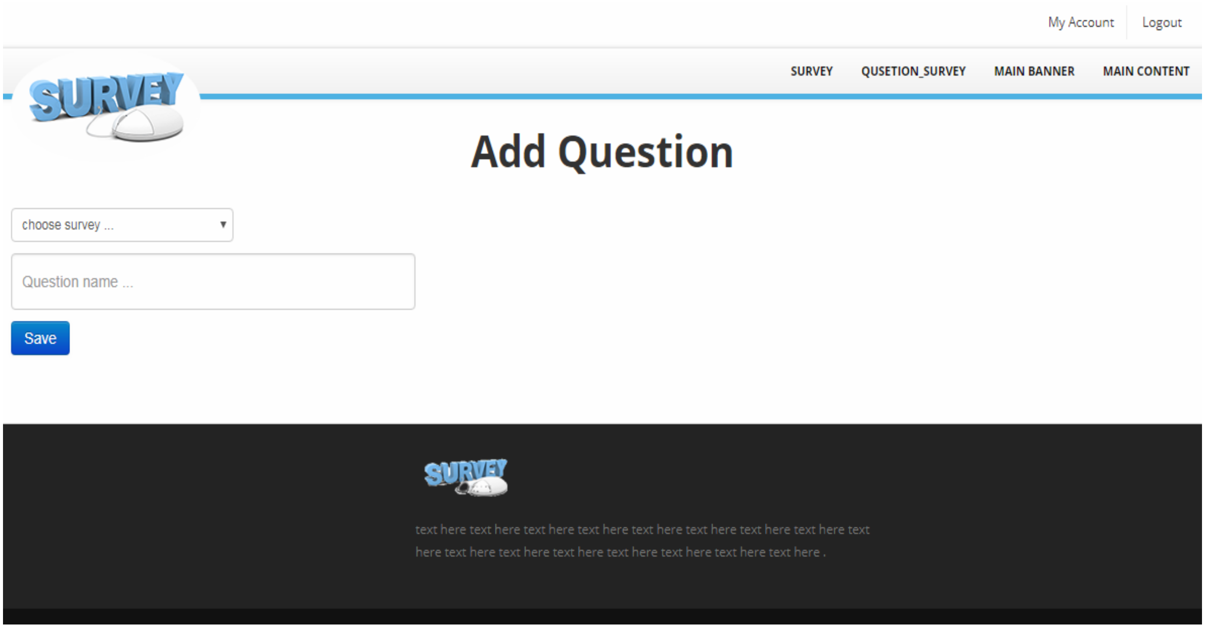


If we click update Survey allow to rename Survey name and description

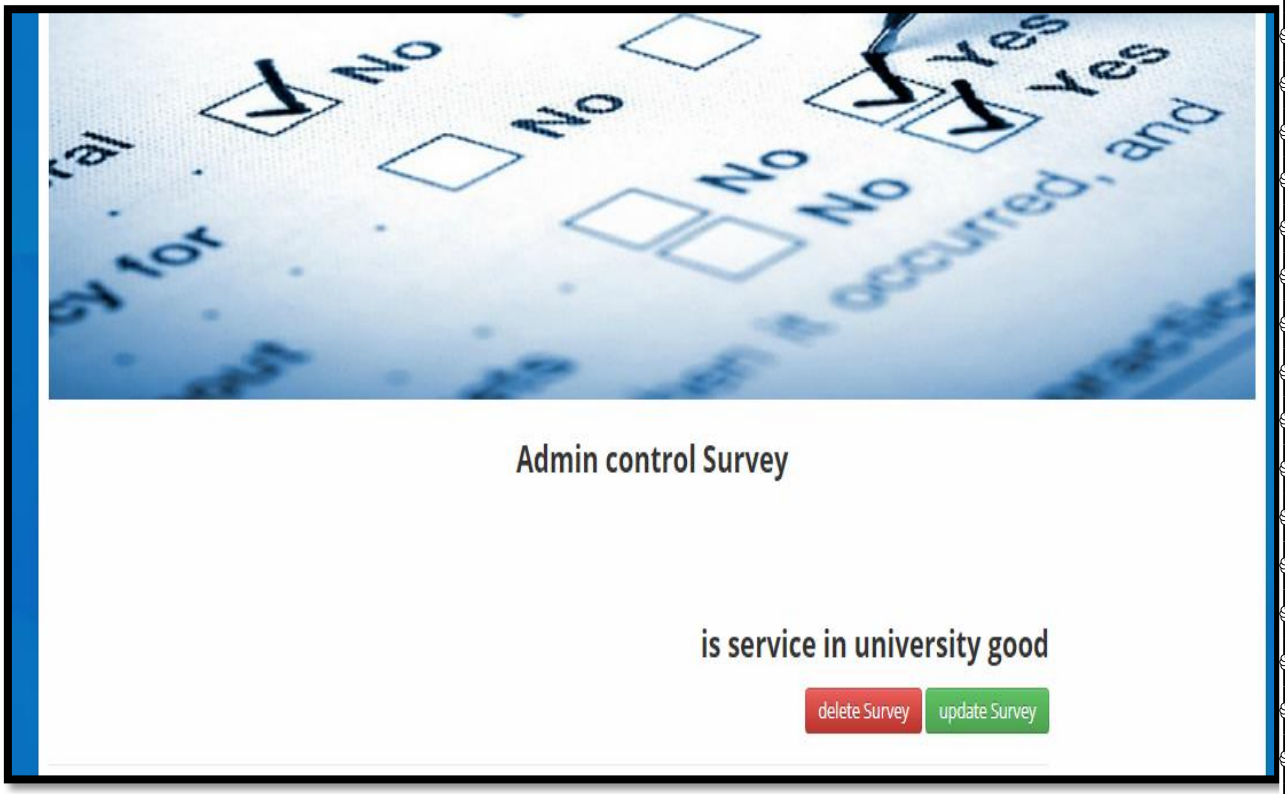


If we click question_Survey choose from two option

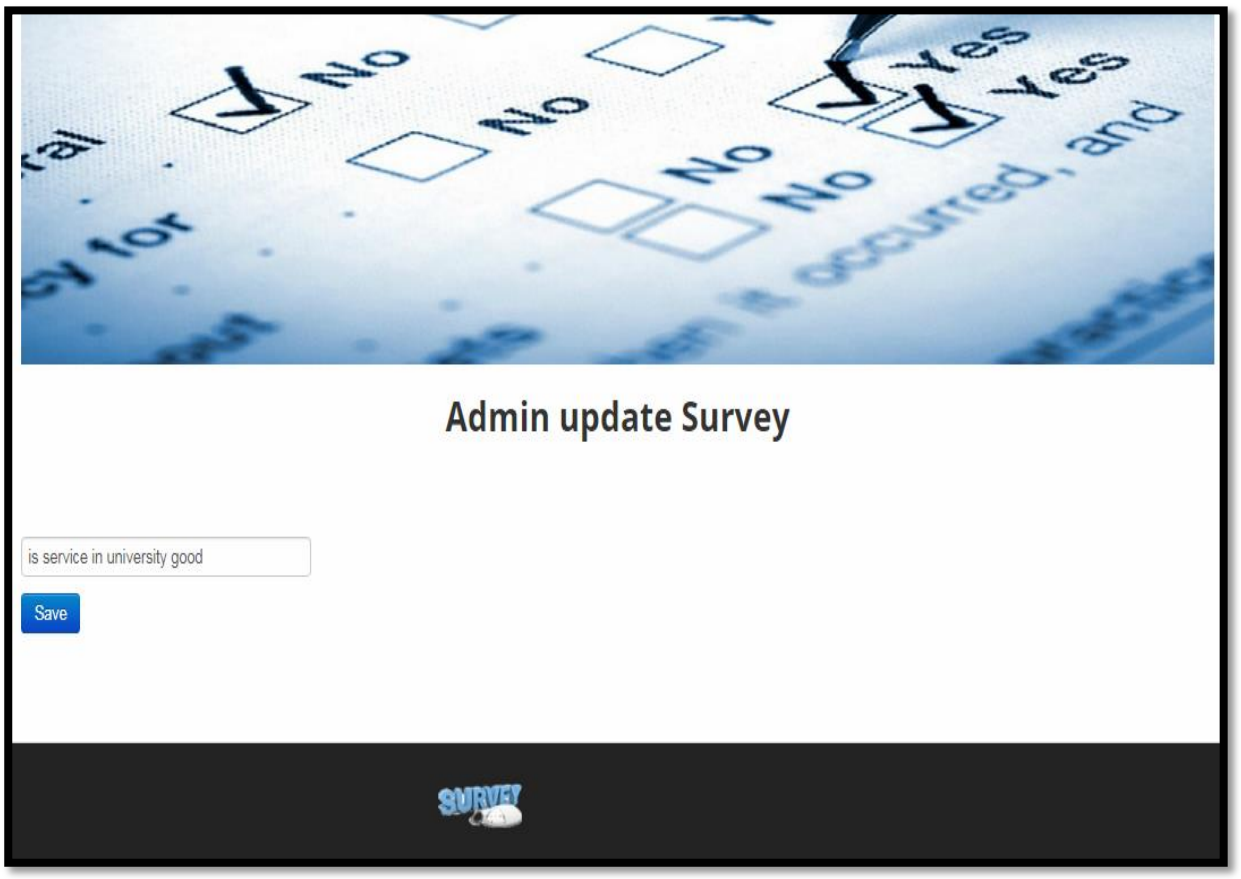
- Add question survey



- Show question Survey



If we click update question allow to rename question name

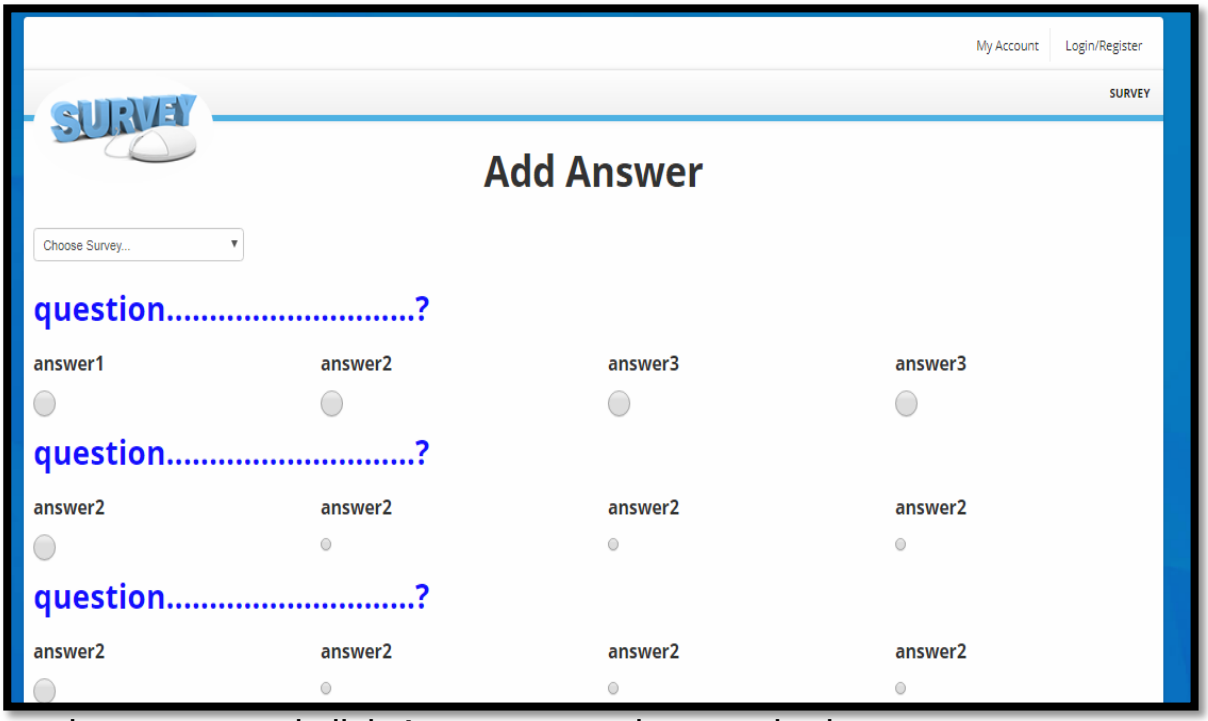


Now we transfer in Student Interface

Every Student have user name and password can login website and answer

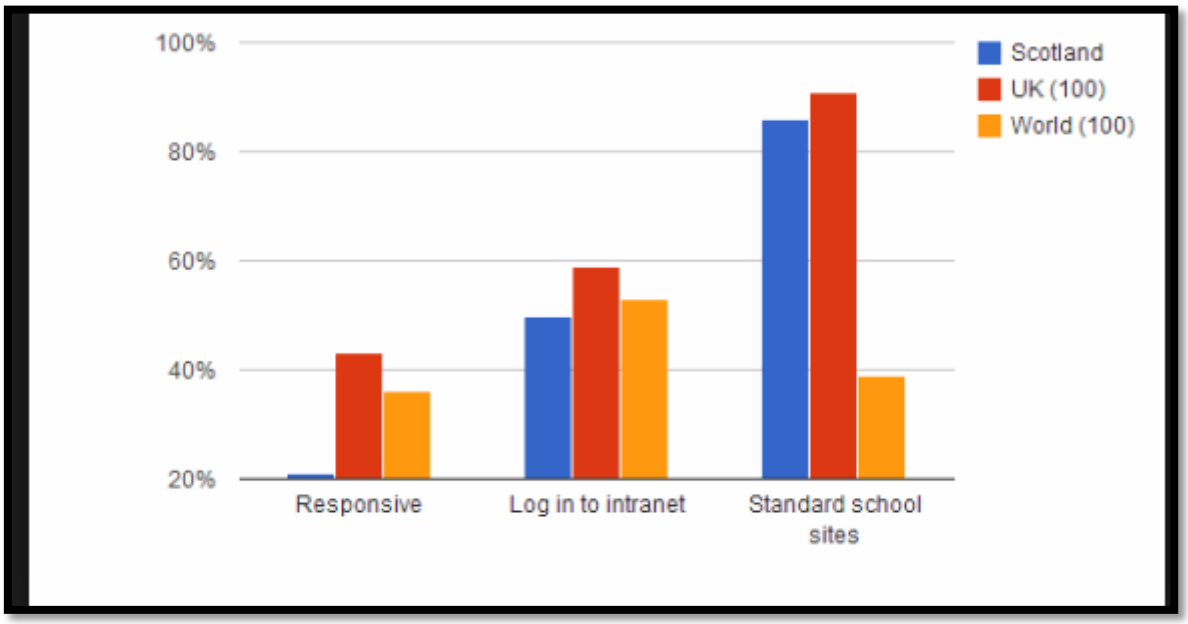
Survey choose .

Choose survey from list



Answer the survey and click Accept to send survey in department

And a department get a result Survey and chart of Survey



Reference :

1-https://pl.cs.jhu.edu/oose/projects/examples/10group1/Iteration2.html

2-https://ntusurvey.wikispaces.com/activity+diagramdatabasedesign

diagram :

3-https://creately.com/diagram/example/hf1ty3nz2/Survey%20Monkey

how to create table survey

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