9/18/2020

Huzaifa Baig

Umer Anis

-Aptech

Customer Requirement Specifications

Software requirement specifications (SRS)

Table of Contents

[1. INTRODUCTION: 2](#_Toc50817482)

[a. DEFINITION: 2](#_Toc50817483)

[b. PROBLEM STATEMENT: 2](#_Toc50817484)

[c. PROJECT SCOPE: 3](#_Toc50817485)

[2. CUSTOMER REQUIREMENT SPECIFICATIONS: 3](#_Toc50817486)

[a. GENERAL REQUIREMENTS: 3](#_Toc50817487)

[b. SYSTEM FEATURES: 5](#_Toc50817488)

[I. ADMIN FEATURES: 5](#_Toc50817489)

[II. FACULTY FEATURES: 5](#_Toc50817490)

[III. STUDENT FEATURES: 6](#_Toc50817491)

# INTRODUCTION:

## DEFINITION:

There are a few key terms that may or may not be used in this document. Please refer to the below table:

|  |  |
| --- | --- |
| Terms | Full-Form |
| ERD | Entity Relation Diagram |
| SRS  or  CRS | Software Requirement Specification  or  Customer Requirement Specifications |
| DFD | Data Flow Diagram |
| DB | Database |
| GUI | Graphical User Interface |
| IDD | Interface Design Document |

## PROBLEM STATEMENT:

Our client runs an educational institute, that has many branches across the country, which performs surveys and seminars all across the country to raise awareness to issues ranging from littering to the dumping of harmful (possibly radioactive) chemical or substances in ponds, lakes and seas etc. They now want to step into the realm of the internet and perform their surveys and seminars electronically and to encourage their students to perform such surveys and seminars at a variety of locations as raising more awareness.

However, they lack the manpower and knowledge to create such a project currently that is why they have requested us to create and manage a web application that enables them to perform the following:

* + 1. To take surveys remotely from any of their locations.
    2. To enable students and faculty to perform surveys at their leisure within a certain time-frame.
    3. To give both, students and faculty, an incentive to perform surveys by use of competitions.
    4. To provide a common platform for all participants to perform said surveys.

## PROJECT SCOPE:

This project aims to introduce the client's institute to the world of electronically collecting data utilizing the internet thus, this project will focus on:

* + 1. Reducing the paper consumption for surveys performed.
    2. Reducing the cost by the reduction in the use of paper and other paid media.
    3. Reducing the time for calculating the survey results.
    4. To encourage survey participation through competition.
    5. To provide an incentive to survey participants to perform more survey utilizing competition rewards.
    6. Allowing all survey participants to perform surveys at their leisure in the given time frame.
    7. Allowing total freedom of movement to all parties involved.
    8. Allowing to perform surveys electronically in a time-efficient manner

# CUSTOMER REQUIREMENT SPECIFICATIONS:

This section can also be called an SRS ([*definition*](#_DEFINITION:)) and entails the following list of requirements that our client wants to be implemented in this application.

## GENERAL REQUIREMENTS:

This Section entails general requirements that the client has requested or mentioned in meetings throughout.

1. The Web application should be able to perform three different functionalities for,
   1. Administration.
   2. Faculty (*Teacher and staff*.)
   3. Students.
2. The web application should meet company standards and some other pages which are included as follows,
   1. Home page.
   2. Login/Sign-up (*Register*):
      1. Edit Profile.
      2. Effective Participation (*Details further below.*)
   3. Survey Board:
      1. Survey List.
      2. Survey Participants.
      3. Competition Participants.
      4. Competition Details.
      5. Rewards Section.
   4. Support Page (*Customer Support*.)
      1. Report problem / Bug.
   5. F.A.Q section.
3. The User (student or faculty), through the login/register section, should be able to register / login by using his/her Account ID (*if existing*) online.
4. The web application must be able to discern the type of User (*Administrator, Faculty or Student*) through User ID provided i.e. “adm\_xx\_yyyy” is an administrator etc.
5. While registering the user must input the following information:
   1. His / Her ID.
   2. Name.
   3. Email.
   4. A password.
   5. Class (*Student only.*)
   6. Section (*Student Only.*)
   7. Position (*Teacher or Staff only.*)
   8. Date of admission (*Student only*.)
   9. Date of joining (*faculty only.)*
6. Once registration of a new user is complete a request is sent to the Administrator, who must be able to either accept/reject the users request to join the survey board portal using said Web Application.
7. The Administration can do the following:
   1. Place a new survey on the board for faculty.
   2. Place a new survey on the board for students.
   3. Delete Surveys.
   4. Accept / Reject registration requests (*As stated in the previous point.*)
   5. Delete Users (*Explained in the next point.*)
   6. Place competitions.
   7. Place the list of names of users that have won said competitions.
   8. Enter new F.A.Qs.
   9. Edit F.A.Qs.
   10. Edit Support information (*For ease of Users.*)
8. The Administration should also reserve the right to remove any User account that has been reported for a significant number (*General assumption: Three*) for various valid reasons or the User has left the institute.
9. The homepage of the Web application should display all relevant information i.e. Competition details, Surveys results, Surveys performed etc.
10. While using the web Application guest users (*Visitors or those that are not logged in*) can view the surveys listed and their result. However, User must log-in/Register to the system before they are allowed to participate in the survey.
11. On the Support page, the following should be present:
    1. Contact information.
    2. Location of the institute(*s.*)
    3. Message Us portion.
12. On the F.A.Q page the following questions must be prevalent:
    1. How do I register for the survey(*s*)?
    2. How can I participate in a survey(*s*)?
    3. How will I be intimated (*be informed of*) with a new survey(*s*)?
    4. What if it gives an error after participating in the entire survey and having clicked the submit button?
    5. Why am I unable to participate in the survey(*s*)?

(*following reason must also be included.*)

* + 1. Reason – 1: Not a registered User.
    2. Reason – 2: Technical difficulties.
  1. Why is my registration request not accepted?
  2. Will there be a benefit for my participation in the survey?
  3. How can I join the competition for the survey?
  4. What if there are some arrears (*Previously collected information of Same or other User*) in the survey I am performing?

1. On the Menu, there should also be a link called “Effective Participation”, through which faculty (Teachers or staff) and students can mention details of a survey(*s*) in greater detail i.e. where was the survey performed? What were the seminars conducted about before the survey(s) participation? Where was the survey(*s*) performed at? How many participants were present? Etc.

## SYSTEM FEATURES:

### ADMIN FEATURES:

#### ADMINISTRATION FUNCTIONS:

They are as follows:

1. Add student.
2. Add faculty.
3. Add survey.
4. Add students to other surveys.
5. Add faculty to other surveys.
6. Edit/update student creds (upon request due to technical problems).
7. Edit student surveys status?
8. Edit student surveys?
9. Edit/update faculty creds (upon request due to technical problems).
10. Edit admin creds.?
11. Reset survey status of XYZ (single individual)?
12. Reset survey status of all compromised data (single survey).
13. Reset survey status all across.
14. Report other admins for XYZ reason.
15. Check reported students.
16. Check reported faculty.
17. Request proof for the reported personnel.
18. Verify reported faculties/students’ proof for review.
19. Remove student.
20. Remove faculty.
21. Remove survey.
22. Remove the student from the survey.
23. Remove the faculty from the survey.
24. Remove admins.
25. Make new admins from pre-exist sting faculty/staff.

#### ADMINISTRATION PERMISSIONS:

They are as follows:

1. Can view and complete add / remove requests.
2. Can add / remove students / faculty from institute website / portal (effective termination/rustication) after confirmation of removal.
3. Can access and alter student creds. Upon request.
4. Can access and alter faculty creds. Upon request.
5. Can view survey results.
6. Can access and alter admin (own only) creds.
7. Can view other admins status.
8. Can remove others admins after the head of institutes permission/request.
9. Can report other admins for XYZ reason.
10. Can verify proof of reported personnel and institute students.

### FACULTY FEATURES:

#### FACULTY FUNCTIONS:

They are as follows:

* + - * 1. Add students from other subjects (other surveys to participate).
        2. Add students to a new subject (New surveys).
        3. Request new surveys (open source/student made) to be added to the roster.
        4. Make new surveys (Teachers only).
        5. Request reset survey (1 or many) for correction purposes.
        6. Request to be made an admin.?
        7. Request for creds. To be updated accordingly (Due to technical problems).
        8. Reporting student for XYZ reason.
        9. Reporting faculty for XYZ reason.
        10. Forward requests for new surveys to be added from students.
        11. Forward newly made survey to be added.
        12. Accept student request for custom surveys.
        13. Accept/reject (to forwarding) student requests to being added to a new survey.
        14. Perform survey.
        15. Submit Survey.
        16. Submit Proof of reported personnel.

#### FACULTY PERMISSIONS:

They are as follows:

* + - * 1. Can view and perform any / all surveys.
        2. Can view survey result from page
        3. Can view student status.
        4. Can view another faculty status.
        5. Can access and alter creds.
        6. Can report the student for XYZ reason.
        7. Can report faculty for XYZ reason.
        8. Can give proof of reported personnel by using email or portal.
        9. Can request a survey.
        10. Can request to be added to another faculty survey.
        11. Can put in a letter of resignation for job termination.

### STUDENT FEATURES:

#### STUDENT FUNCTIONS:

They are as follows:

* + - * 1. Request to be added to a new survey.
        2. Request to be added to surveys of other faculty.
        3. Request new surveys to be added.
        4. Request own custom-made survey to be added to the roster.
        5. Request to be added to faculty.?
        6. Request creds. to be edited/updated (Due to technical problems).
        7. Report other Student for XYZ reason.
        8. Report faculty for XYZ behaviour.
        9. Perform Survey.
        10. Submit Survey.
        11. Submit proof of reported personnel.

#### STUDENTS PERMISSIONS:

They are as follows:

* + - * 1. Can view and perform any / all surveys.
        2. Can view survey result from the page.
        3. Can view student status.
        4. Can view faculty (Teacher) availability.
        5. Can access and alter creds.
        6. Can report other students for XYZ reason.
        7. Can report faculty for XYZ reason.
        8. Can give proof to admins upon request using email or portal?
        9. Can request to make a faculty.

------------------------------------------------*END OF DOCUMENT*----------------------------------------------