Software Engineering Project

(Software Requirements Specification Template)

Name of software: Online Admission System

Domain: Web application

Requirement gathering tool: Questionnaire

Model: Incremental Model

Questionnaire (Supervised)

Q 1. What is the purpose of the software?

Q 2. Who will be users of the software?

Q 3. In which language software will be developed? Choose any

    a. Eclipse
    b. HTML
    c. HTTP
    d. jQuery

Q 4.What is your immediate need?

Q 5.What is your Website requirements?

Q 6. What is the time limit of your project? **(minimum time limit is 1 week)**

Q 7. How much cost you can bear?

_____

Q 8. What are the objectives(goals) of your software?

_____

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_____

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_____

Questionnaire Regarding Online Admission Form

Q 9. What is the Admission form format? Choose any

a. School level form
b. College level fom
c. University level form
d. Form for diploma/course
e. Other _____

Q 10. What are your Admission form requirements?

_____

_____

_____

_____
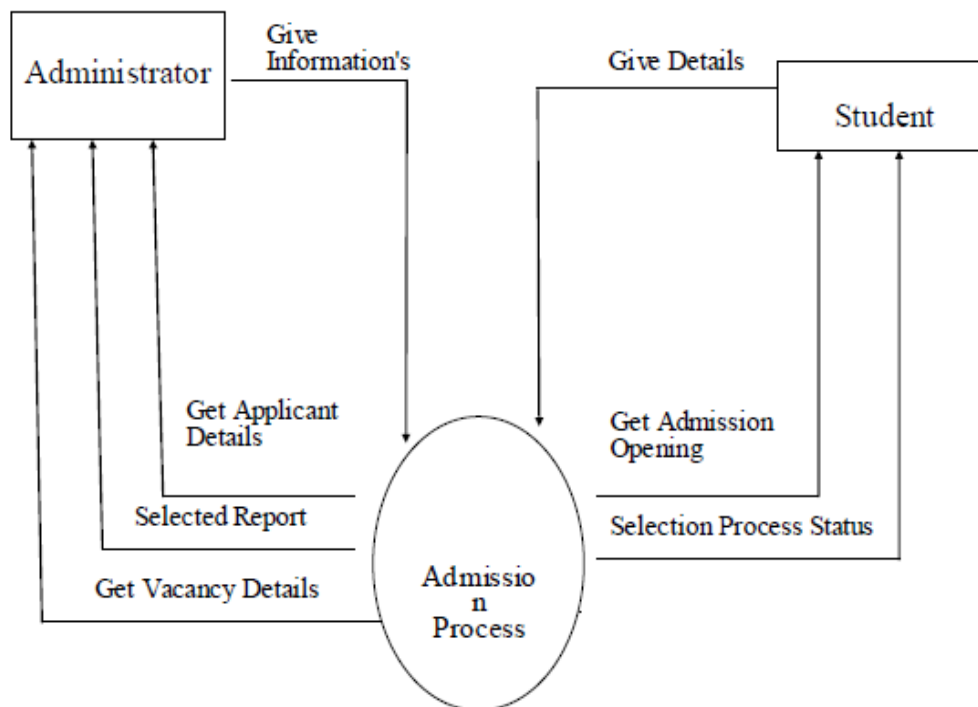
_____

Q 11. What are the hardware requirements?
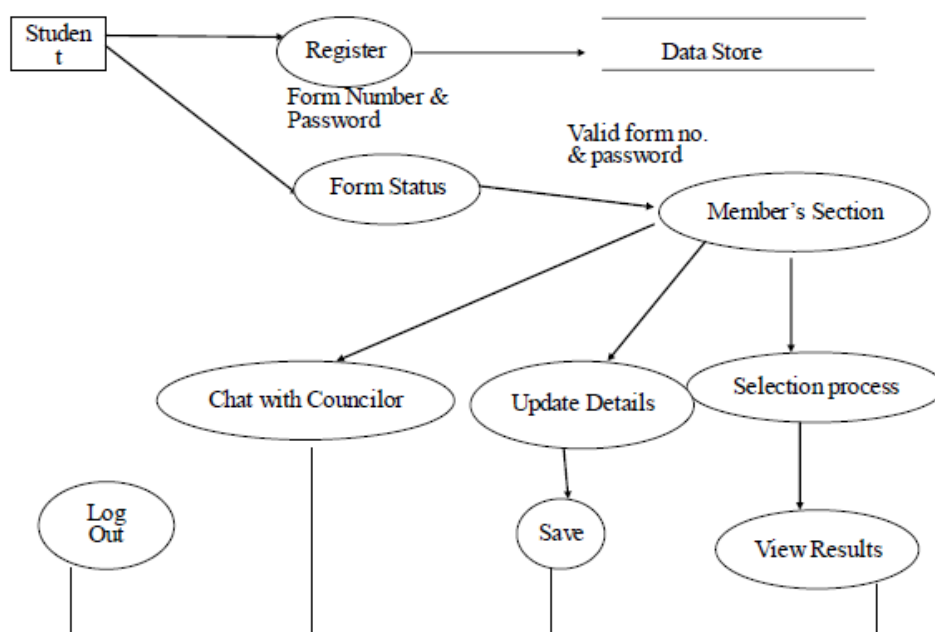
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Q 12. What is your Database capacity?

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Introduction

The student admission is one of the most important activities within a university as one cannot survive without students. A poor admissions system can mean fewer students being admitted into a university because of mistakes or an overly slow response time, so using online admission system is better and faster.

1. The first step for students is to apply directly to the university through a custom online form.
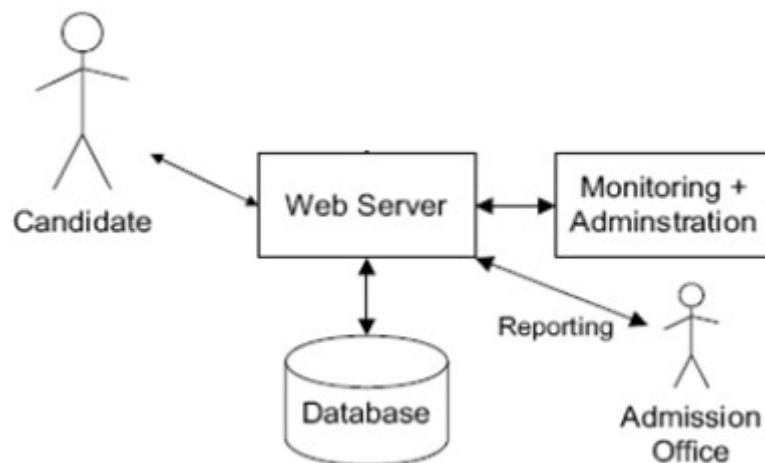

2. The next step is for the Admissions service center has to review the application and ensure that all of the required information has been provided, from the form itself to the supplementary documentation, such as language and degree certificates. The application in its entirety is then forwarded, complete with a recommendation, to the respective department's Admissions Tutor, who has the final say as to whether each potential student is accepted or rejected.

Purpose

The purpose of this SRS document is to specify software requirements of the Online Admission for the university. It is intended to be a complete specification of what functionality the admission provides. The main purpose of the system is to automate the task carried out by different peoples in the organization to perform the student admission.

Model of the system

Project Scope

Goals

- Manage large number of student details.
- Manage all details of student who registered for the course and send appropriate details about the course to the students account.
- Create student accounts and maintain the data's effectively.
- View all the details of the students.
- Create the statistical reports to facilitate the finance department work.
- Reduce the work load in interview the students for selection.
- Activities like updating, modification, deletion of records should be easier.
- The System must support Undo the Previous activities if any Problem Occurs.

Objectives

- **Reach to geographically scattered students.** One of the important objectives of the admission system is communicate with all the students scattered geographically.

- **Reducing time in activities.** Reduce the time taken process the applications of students, admitting a student, verify student marks, and send call letters to selected students.

- **Centralized Data handling**. Transfer the data smoothly to all the departments involved and handle the data centralized way.

- **Paperless admission with reduced manpower**. Reduce the manpower needed to perform all the admission and administration task by reducing the paper works needed.

- **Cost cutting**. Reduce the cost involved in the admission process.

- **Operational efficiency**. Improve the operational efficiency by improving the quality of the process.

Abbreviation

- **Course Catalog:** Course Catalog contains all the details about the course and schedule of the course. It is generated by the Superior Persons like Register in the university.

- **Maintenance:** Student information's are maintained in a separate Log for maintenance.

- **Registration:** To take admission in the University, the student must provide all the details about him. This process is called Registration.

- **Eclipse:** Open Source developed by IBM to support development of complex Java projects in a simple way and it provides easiest way to develop more dynamic web applications that is run on anywhere.

Benefits

Software systems are also much faster at performing certain tasks than humans, meaning that time can be saved performing processes such as sending communication e-mails. This also means that these tasks can be done solely by the system, freeing up those involved to perform more important tasks.
User documentation: Online documentation facility is available for the students to assess them for the easy use. A specific document should be prepared for the maintenance of the system and should say the system in easiest way.

Requirement Specification

- Website
- Department history
- Degrees Offered
- Cousres

- Eligibility Criteria
- Last year's Merit
- Admission form
  - ✓ Degree Selection
  - ✓ Candidate Name
  - ✓ Father Name
  - ✓ Gender
  - ✓ Date of birth
  - ✓ Address
  - ✓ Picture
  - ✓ Religion
  - ✓ CNIC Number/ B-Form Number
  - ✓ Contact Numbers
  - ✓ Email-ID
  - ✓ Nationality
  - ✓ Academic record
  - ✓ Scanned Documents
  - ✓ Challan Form(for Admission form)
  - ✓ Form submission or reset option
- Student's Database
- Administration Access
- Merit List
- Challan Form(for academic fee)
- Last date of Fee submission
- Commencement of classes
- Login Button
- Logout button

Use Case

Name: Online admission system

Use Case ID: OAS425

Stakeholder: Students, administration

Primary actor: Students

Secondary actor: Administration, admission authorities, data entry operators.

- ➢ **Channel For secondary actor:** Internet connection.
- ➢ **Trigger:** Advertisement.

Pre-condition: Download the login page in the browser.

Post-Condition: Homepage is downloaded in browser

Success Scenario:

If the user is new at website then

1. Create account.
2. Open the form for creating account.
3. Fill the form completely.
4. Press create account button.
5. Register/Add the user in the database.
6. Authorize the user with system and create his account.

If the user already has an account then

7. Enter the user name.
8. Enter password.
9. Press login button.
10. Validate the user from the database.
11. Authorize user from system.

Alternate Scenario:

If the user is creating new account then the alternate situations might be:

1.1. User press login button instead of create account button.
1.2. Focus the email ID field.
1.3. Ask the user to enter email ID.
1.4. User enter invalid email ID and password.
1.5. Invalid email ID alert.
1.6. Focus the email ID and password fields.
1.7. Ask the user to enter correct email ID and password.
3.1. Do not fill all the required fields.
3.2. Entered email ID is incorrect.
3.3. Someone already has that email ID.
3.4. Does not fulfill the password requirement.
3.5. Both of the passwords do not match.
3.6. Does not agree with the policy of website.
4.1. Page is closed without creating new account.
5.1. User is already registered.
5.2. Form is not filled completely.

If the user has already an account then the alternate situations might be:

7.1. Invalid user name.
7.2. Focus the field of user name.
7.3. Ask the user to enter correct user name.
8.1. Invalid password.
8.2. Focus the field of password.
8.3. Ask the user to enter correct password.
8.4. Does not match character length/ complexity.
8.5. Empty field of password.
8.5.1. Focus the field of password.

8.5.2. Ask to enter password.
9.1. Page is temporarily unavailable.
9.2. Internet connection is unavailable.
10.1. Alert of unauthorized user.
11.1. Alert of Webpage Expired.
11.2. Internet connection not available.

Special Requirement

Internet connection and Browser