

## MCQs

1. Which of the following is correct for the types of requirements?
  - A. Reliability
  - B. Availability
  - C. Usability
  - D. **All of the above**
2. Select the developer-specific requirement?
  - A. Availability
  - B. Portability
  - C. Usability
  - D. Maintainability
  - E. **Both B & D**
2. The following is not a step of requirement engineering?
  - A. **design**
  - B. elicitation
  - C. documentation
  - D. analysis
3. Symbolic representation of QFD is...
  - A. quality function development
  - B. **quality function deployment**
  - C. quality function design
  - D. none of the mentioned
4. What are the system requirement of the documents..?
  - A. **SRS**
  - B. SDD
  - C. SRD
  - D. DDD

5. **The most important stakeholder is\_\_\_\_\_:**
- A. Middle-level stakeholder
  - B. Entry level personnel
  - C. **Users of the software**
  - D. Managers
6. **Which of these steps is includes in the Requirement engineering process...**
- A. Requirement Gathering
  - B. Feasibility study
  - C. Validation
  - D. **Both A & B**
7. **In the elicitation process, the developers discuss with the client and end users and know their expectations for the software.**
- A. Organizing requirements
  - B. **Requirement gathering**
  - C. Negotiation & discussion
  - D. Documentation
8. **The process to gather the software requirements from the client, analyze and document them is known as.....**
- A. Software system analyst
  - B. User interface requirements
  - C. Requirement elicitation process
  - D. **Requirement engineering process**
10. **The interviews held between two persons across the table is..**
- A. Written
  - B. Non-structured
  - C. **One-to-one**
  - D. Group
11. **The computer-based system can have a profound effect on the design that is chosen and also the implementation approach will be applied.**

A. Behavioural elements

B. Flow-oriented elements

C. Scenario-based elements

D. Class-based elements

**12. Information systems is concerned with..**

A. Systems where software is used as a controller in some broader hardware system

**B. Processing information which is held in some database.**

C. Combination of A and B

D. None

**13. Embedded systems is concerned with..**

**A. Systems where software is used as a controller in some broader hardware system**

B. Processing information which is held in some database.

C. Combination of A and B

D. None

**14. Command and control systems is concerned with..**

A. Systems where software is used as a controller in some broader hardware system

B. Processing information which is held in some database.

**C. Combination of A and B**

D. None

**15. The requirements document describes:**

A. The services and functions which the system should provide

B. The constraints under which the system must operate

C. Overall properties of the system i.e.. constraints on the system's emergent properties

**D. All of the above**

## Question No: 02 (5)

State what the project you have selected for your SRS document is required to do and the constraints under which it is required to operate

ANS:

### ONLINE STUDENT CLEARANCE SYSTEM

#### Introduction

Online Students clearance system is a system that will fill in as a more dependable and viable methods for undertaking student's clearance during graduation. It found that Students confronted different issues, for example, lining up amid leeway, delay in handling of freedom frame, inaccessibility of some key staffs while preparing freedom shape in this way prompting understudies' steady visit in a specific office, loss of imperative reports and so forth. This has driven understudies to the issue of deferred youth's administration because of their powerlessness to finish the monotonous manual procedure of leeway. It depends on this issue the undertaking is centered around the development of online student clearance system to unravel and dispense with the inadequacies of the manual system. This Web based framework will done and executed utilizing MVC, HTML and Visual Studio for local database server.

Keywords- clearance, computerized, monotonous manual Processing

Question No: 03 (10)

With respect to the project you have selected for your SRS document, write a two to three (2-3) page paper in which you:

1. Create a Software Requirement Specification (SRS) that includes the following:

A. A detailed description of both user and system requirements. At least four (4) user requirements and four (4) system requirements should be provided

User Requirements:

1. Easy to operate
2. Quick in response
3. Effectively handling operational errors
4. Providing simple yet consistent user interface

System Requirements:

1. The project is web base application for accessing it will need internet.
2. One domain and hosting for deployment.
3. Browser for accessing.
4. And need a device like cell phone, laptop or desktop.

Functional Requirements:

1. Student will create account and login to the user portal through user Name and Password.
2. For submission application to university, the student will upload all the required documents and submit.

3. Student can contact with chat system with the department where the application is processing.
4. Emails and notification will receive to student in each step of verification.
5. At admin side each user of department should allow to their role and a separate dashboard of each department for single user.
6. Admin will notify through email and dashboard notification box for new application.

Application will automatically transfer to the higher department when submit from lower department in sequence.

8. Student should allow to see the status of the application when processing in departments.
9. At the end of all departments if examination department cleared the application there should create a clearance certificate and available in the student portal for other application submission like apply for degree and transcript.

#### Non Functional Requirements

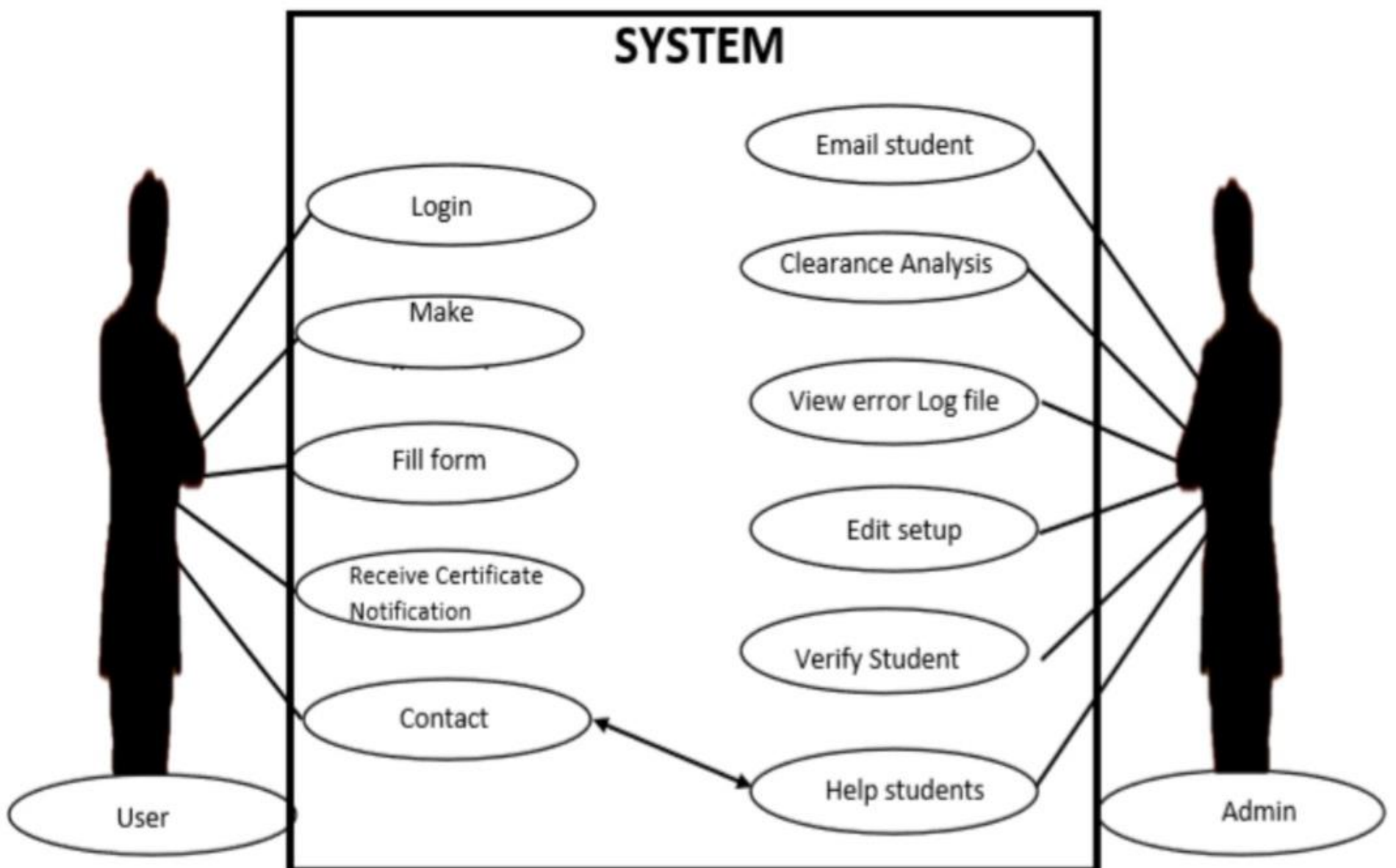
10. Security: Secure Socket Layer (SSL) should be enabled
11. Storage: All Images should compress and path should store in DB not the file.

12. Backup: backup of Database Should be taken every week.

13. Login: login verification code should send to each user by email or phone number.

**USE CASE DIAGRAM:**

# Use Case Diagram



# System Flow Diagram

