

# **SOFTWARE REQUIREMENT SPECIFICATION:**

## **College Management System ||**

### **Online Quiz Or Test System**

#### **1).Project Introduction:**

- **Purpose:**

The purpose of this document is to build an online system to manage quiz/college management and test for the students and teachers to ease the management.

- **INTENDED AUDIENCE AND READING SUGGESTIONS:**

This project is a prototype for the Quiz/college management/test management system and it is restricted within the college premises. This has been implemented under the guidance of college professors. This project is useful for the management team and as well as to the teachers.

- **DOCUMENT CONVENTIONS:** DBMS(SQL,MONGODB)

- **PROJECT SCOPE:**

The purpose of the online quiz/college management/test management system is to ease entry test management and to create a convenient and easy-to-use application for professors. The system is based on a relational database with its testing function and result function. We will have a database server supporting hundreds of major cities.

- **REFERENCES:**

This book(ramez elmarsi and shamkant b.navathe) can be reference of database for the management system.

#### **2). OVERALL DESCRIPTION:**

- **PRODUCT PERSPECTIVE:**

The management system will store the following information about students.

Student info: student name, student address , student result, student course information.

- Product feature: online result, information store in multiple location, easily manageable.
- OPERATING ENVIRONMENT: it can be operated under any of the circumstances, windows, linux,unix Mac
- DESIGN and IMPLEMENTATION CONSTRAINTS: UI and UX can be design at illustrator or figma, if any one has appeared in any test then student can not attempt again.
- ASSUMPTION DEPENDENCIES:

### **3. SYSTEM FEATURES:**

- DESCRIPTION and PRIORITY:The online quiz/college management system maintains information on quiz/college managementzes and tests, classes of seats, personal preferences, prices, and bookings.
- STIMULUS/RESPONSE SEQUENCES: search online quiz/college managementzes, display detail of students result,
- FUNCTIONAL REQUIREMENTS:

### **4. EXTERNAL INTERFACE REQUIREMENTS**

- USER INTERFACES
- Front-end software: HTML,CSS,JS
- Back-end software: NodeJS,MongoDb,SQL.
- HARDWARE INTERFACES: A browser which supports CGI, HTML & Javascript.
- SOFTWARE INTERFACES: Some of the software would be required to develop the system, vs code, javascript interpreter, figma, chrome, windows OS.
- COMMUNICATION INTERFACES: This project supports all types of web browsers. We are using simple electronic forms for the online quiz/college managements forms.

### **5. NONFUNCTIONAL REQUIREMENTS**

- **PERFORMANCE REQUIREMENTS:** The steps involved to perform the implementation of college quiz/college management management database are as listed below.
- **E-R DIAGRAM:** The E-R Diagram constitutes a technique for representing the logical structure of a database in a pictorial manner. This analysis is then used to organize data as a relation, normalizing relation and finally obtaining a relation database.
- **ENTITIES:** Which specify distinct real-world items in an application.
- **PROPERTIES/ATTRIBUTES:** Which specify properties of an entity and relationships.
- **RELATIONSHIPS:** Which connect entities and represent meaningful dependencies between
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**GROUP MEMBERS:**

1. WAQAR YOUNUS(EB-20102046)
2. SHAHZAIB AHMED(EB-20102134)

**Course:** Advance Software Engineering

**Course Incharge:** Ms Tahira