

ANUDIP FOUNDATION

A Project Report on

Online Examination System

By

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Under the Guidance of

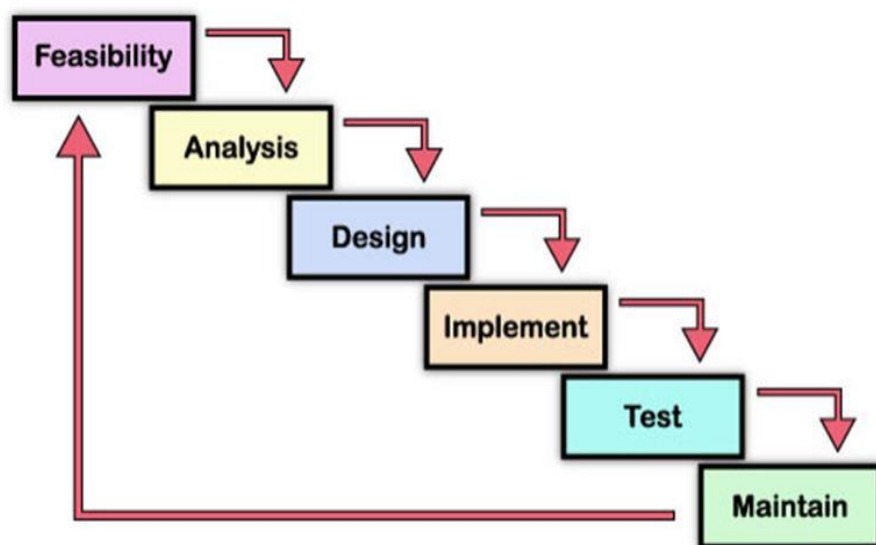
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Online Examination System

Computerized and online systems have been increasing in every aspect of education. Information Technology plays a very important role in nowadays education. Computers and internet have made dramatic changes in the education system. Information technology enables institution of high learning to save time and money, and allow the delivery of education with easiness, anywhere, and anytime. Paper based books are replaced by online and off-line applications. With computer software, we can be able to have access to huge databases of information. This gives fundamental change to the education. The system helps students to take examination. It helps also lecturers to upload the questions and answers in the database and they can see the students who fail or pass the exam.

Entities:

- Project Planning
- Requirements Design
- Design
- Development
- Integration and Testing
- Installation and Acceptance



VARIOUS ENTITIES:

1. Software Requirement Specification

- Functional requirement
- Software product features
- Login/Logout
- Register
- Send Email
- Upload
- View/ Student Report
- Help
- Select
- Non-functional requirement
- Reliability
- Availability
- Security and Safety
- Maintainability
- Portability
- Performance
- Flexibility
- Efficiency
- User Friendliness

2. Users :

- Field Name
- ID/ Staff
- Password
- Conformation Password
- Mobile Number
- Category

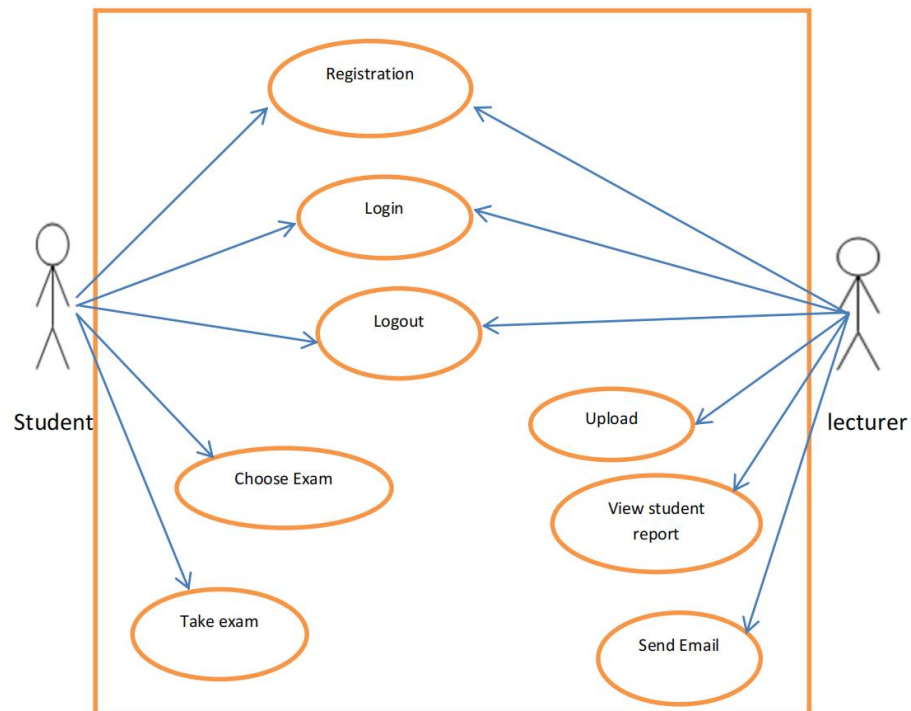
3. QuestionsAnswers :

- Field Name
- Subject
- QuestionNum
- questions
- Choice1
- Choice2
- Choice3
- Choice4
- CorrectAnswer

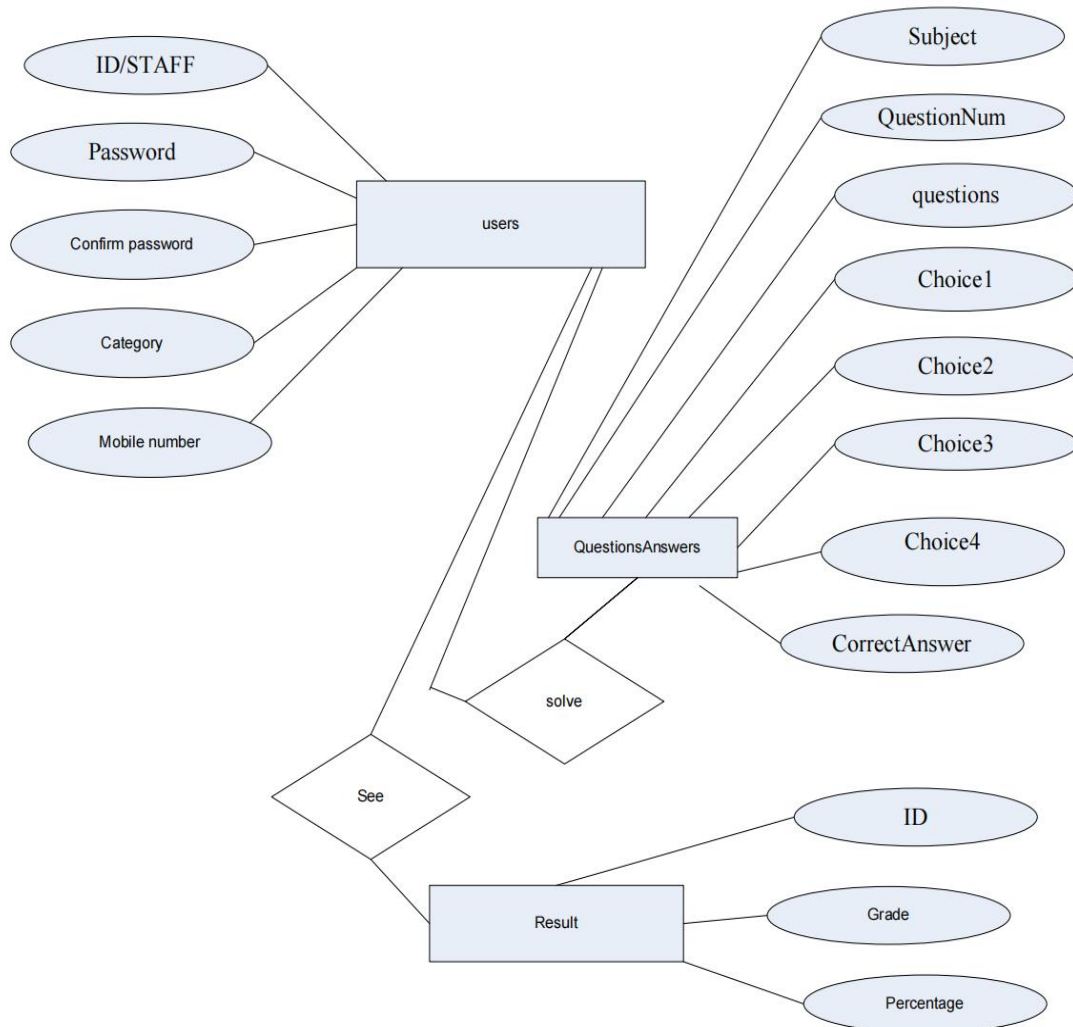
4. Result :

- Field Name
- ID
- Percentage
- Grade

Use case diagram



Entity Relationship Diagram



Database design :

The database is used for the purpose of handling information as an integrated whole. It is defined as a collection of interrelated data stored with less or no redundancy to serve many users quickly and effectively. The objective of the database is to make information access, easy quick, inexpensive and flexible for other users. During database design the following objectives are concerned:

- Controlled Redundancy
- Data independence
- Accurate and integrating
- More information at low cost
- Recovery from failure
- Privacy and security
- Performance

The tables used in the database are as follow:

Table Name: Users :

Field Name	Data Type	Description
ID/ Staff	varchar2	Primary Key
Password	varchar2	
Conformation Password	varchar2	
Mobile Number	varchar2	
Category	varchar2	

Table Name: QuestionsAnswers :

Field Name	Data Type	Description
Subject	varchar2	
QuestionNum	Number	
questions	varchar2	
Choice1	varchar2	
Choice2	varchar2	
Choice3	varchar2	
Choice4	varchar2	
CorrectAnswer	varchar2	

Table Name: Result :

Field Name	Data Type	Description
ID	Varchar2	
Percentage	Varchar2	
Grade	Varchar2	

CONCLUSION:

Online examination system is the best compared to paper-based exam. The automated system helps students and lecturers to save time and makes the process faster. It saves space since answers papers will not be used. With a user friendly system that has security, integrity and the database is neither inconsistent nor redundant.