

Purpose

This Web-Based Application should provide facility to online examination. It must save time as it allows number candidates to give the exam at same time and display the results at the end of the test, so there is no need to wait for the result. It should be evaluated and generated by the server. Administrator has privileges to create, modify and delete the test papers and its particular questions. User can login and give the test with his specific id, and can see the results as well. Others can view sample papers to learn the structure of online exams. It eliminates the use of items like pen, paper, etc.

Scope of this project should be very broad compared to manually taken exams.

- Can be used anywhere any time as it is a web based application (user location doesn't matter).
- No restriction that examiner has to be present when the candidate takes the test
- No manual work of preparing and storing the result information.
- Less time consumption, as the result is calculated immediately after the test and displayed to the student/candidate.
- For students/candidates, it saves time of going to far away centers to give exams.

Product Functions

The functions are divided according to the user types such as:-

Administrator:-

The function of the administrator is to:

- Add/edit exams in the test module.
- Create Question Data bank tree for the different specialties.
- Assign User Name and Password for the Users/ CC Reps.
- Add/Delete any question in the data bank.
- Perform backup process/Auto backup.

(See Below Question Data bank tree)

[-] TSV (550639)	
[-] + 2014 (2347)	
[-] + ASMNT (1291)	
[-] + CCREP (90541)	
[-] MAIN (343544)	
[-] ACFT (96172)	
[-] + NEW CABIN (1715)	
[-] + OUT STN R/T (9868)	
[-] + ROYAL (23702)	
[-] + SFS (9784)	
[-] SVA (51103)	
[-] + AF (7552)	
[-] AP (12355)	
[-] + A300 (1162)	
[-] A320 (906)	
[-] + B/C (240)	
[-] D (364)	
[-] + 1 (10) (32)	
[-] + 2 (51) (175)	
[-] + 3 (24) (98)	
[-] + 4 (15) (59)	

User:-

- The function is to create test profile and monitor test.
- Specify Duration of test.
- Specify passing Marks.
- Specify type of test.

Candidate:-

The function of the student is to take the test of his assigned exam.

CC Representative

The function of CC Representative is to add/edit question bank.

2.3 User Classes and Characteristics

The various users of this app are classified into four types:-

1. Administrator
2. User
3. CC Rep
4. Candidate

- Entering Questions:

Various Fields are:

- Questions
- Options (4)
- Correct Answer
- Figure Attachment.

(See Sample Question Below)

Edit Question

[\(Move, Copy\)](#)

Question Code: 728989

Question Sequence: 1

Path: TSV > MAIN > ACFT > SVA > AP > A300 > B&C > 7

Question Body:

(A300 ACFT) WHAT IS THE MAXIMUM TOWING ANGLE ALLOWED ON EACH SIDE OF THE A300 ACFT CENTER LINE ?

(Max 1000 chars)

Reference:

(Max 100 chars)

Answer A:

30 DEG.

(Max 200 chars)

Answer B:

65 DEG.

(Max 200 chars)

Answer C:

95 DEG.

(Max 200 chars)

Answer D:

85 DEG.

(Max 200 chars)

Figure Attachment:

Correct Answer:

C

Requirement:

No

Status:

Enabled

Type:

Multiple

- Exam Details Screen:

Various Fields are:

- Exam Name
- No. Of Questions
- Time Limit
- Passing Marks

- Result Displaying Screen:

Various Fields are:

- No. Of Correct Questions
- No. Of Incorrect Questions
- Total Marks
- Result(Pass/Fail)
- Discrepancy Question Raised
- Correct Answers from Relative.
- Discrepancy Accepted.
- Skill Level Dimension.

(See Sample below)

Technical Assessment

Written Test Summary Report

PRN: A320AP85

Name: TAS V85

CC: 820

Exam Date: 25/11/2018

Template: CC 820
A320AP N/H S.L (T2C)

S.L Dimention	No Of Quest	Answered	Correct	Score	Course Code	Title
T2C	100	100	79	79%		

Exam Questions: 100

Relative Questiones: 100

Correct Answers: 79

Correct Answers From
Relative: 79

Discrepancies Raised: 0

Discrepancies
Accepted: 0

Final Score: 79%

4. System Features

4.1.1 The application uses LDAP/ Active Directory login