8/5/2023

Double G

[company name]

JEFA

Johtech Examination Formation Application

Table of Content

Imagine what it feels like using it now and document your experience with your imagination? – user flow

How does the user flow through the content?

**Purpose of the App:**

JEFA was created to simplify the problem of systematic and random arrangement of students into different examination halls. Its goal is to computerize the operation making easy to assign students of different class randomly into halls, visualize, modify and print out the information.

The Problems JEFA aims to solve are:

1. Stress involved in performing the task of randomly allocating halls to students including: Gathering of students’ names from all classes, randomly assigning them to halls, sorting of the names, visualizing the information and printing of the information
2. Errors of omission and duplication of names
3. Time and stress involved when students try to look for their names on the billboard
4. Difficulty involved in making corrections and modifications
5. Lack of information on the number of students of a particular class that are in a hall i.e., problem of roll taking even after the students have been allocated halls

**Functions Of the app**

Core Function:

Random assignment of students into different halls

Main Functions:

1. Ability to accept the Session and term using Time and Date i.e., JEFA can automatically perform the NO. 13 function using the information provided by the user on the Beginning and End of a Term and Session.
2. Accepting of Students data i.e., their name and class from the user
3. Saving of the Students data
4. Accepting of the names of halls to be created
5. Assignment and Organizations the students into different halls
6. Saving the hall data
7. Viewing of the Students data in the app
8. Allows the Modification of the Students data
9. Viewing of the Hall data in the app
10. Allows the Modification of the Halls data by permitted users
11. Allows the deletion of Hall data and regeneration of Hall data and generation of another.
12. Printing of Hall data
13. Saving of the Present State of the app.
14. The app will automatically update the classes of the students after every session, deleting the names of those in SS3, moving the next class(es) to their respective new class(es), and will prompt for the insertion of the new students’ names (i.e., ss1)

Other Functions:

1. Automatic creation of snapshots of the Class Data and Hall Data at different point in time after every modification. The snapshots should be grouped into terms and sessions
2. View and restoration of snapshots by administrative user
3. He can set the passwords and permissions of the normal user

**Who are the Users?**

The main users are teachers who are given the responsibility to prepare the list of Halls and their respective members.

Categories of Users:

Administrator: This is a management personnel. He/she needs a password to access the administrator user privileges. He has the ability to:

1. Delete the entire Students data
2. View and restore snapshot of the class data and hall data
3. Perform normal user task.

Normal user: This is the teacher saddled with the responsibility of allocating halls to students. He/she needs a password to access the Normal user privileges. He should be able to:

1. Enter Class Data
2. Generated Hall Data
3. Make modification to either of the for mentioned data
4. Search and for names in both data
5. He sets the permission for Pseudo users to view hall data if any.

Pseudo user: This maybe a teacher or students who uses the app to search for his or her names in the generated hall data. He/she has the ability to. No need for password:

1. Perform searches in the hall data if permitted.