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.

Experiencing the User Flow of JEFA App:

As a user interacting with the JEFA app, let me walk you through the user flow and the experience I might have while using it:

1. \*\*Logging In:\*\*

- I open the JEFA app on my device and am presented with a login screen.

- I enter my credentials as either an Administrator, Normal User, or Pseudo User, depending on my role and access level.

- Upon successful login, the app greets me with a dashboard or main menu.

2. \*\*Dashboard/Main Menu:\*\*

- The dashboard is clean and well-organized, displaying various options and functionalities I can access.

- I see options like "Enter Class Data," "Generate Hall Data," "Modify Data," "View Snapshots," "Search Names," and more.

- I notice a help or tutorial section, which I can refer to if needed.

3. \*\*Entering Class Data:\*\*

- I choose the "Enter Class Data" option to input student information such as names and classes.

- The app guides me through the process, possibly offering fields for each student's name and class.

- After inputting the data, I can save it.

4. \*\*Generating Hall Data:\*\*

- Moving to the "Generate Hall Data" section, I provide information about the halls to be created.

- The app takes the student data I entered and, using its core function, randomly assigns students to different halls.

- Once generated, I can view and save the hall data.

5. \*\*Modifying Data:\*\*

- Under "Modify Data," I can edit the entered student and hall data if needed.

- I can add new students, change student classes, reassign students to halls, or modify hall names.

6. \*\*Viewing Snapshots:\*\*

- In the "View Snapshots" section, I can see automatic snapshots of class and hall data taken at different points in time.

- These snapshots are grouped by terms and sessions, allowing me to track changes and restore previous states if necessary.

7. \*\*Searching Names:\*\*

- If I'm a Normal User or a Pseudo User, I can use the "Search Names" function.

- I type in a student's name, and the app searches the hall data for that name, displaying the relevant hall and other information.

8. \*\*Admin Privileges (Administrator User):\*\*

- If I'm an Administrator, I have additional privileges.

- I can delete the entire student data, view and restore snapshots, and perform tasks available to Normal Users.

9. \*\*Password Management:\*\*

- Administrators and Normal Users can manage passwords and permissions for other users.

- This helps ensure the security and integrity of the data and app functionality.

10. \*\*Smooth User Experience:\*\*

- Throughout the app, the interface is intuitive and user-friendly, guiding me through each step.

- Buttons, fields, and menus are labeled clearly, making it easy for me to understand and use the functions.

- The app provides informative notifications and feedback, ensuring I'm aware of any changes or actions I perform.

11. \*\*User Roles and Access:\*\*

- The app maintains a clear distinction between Administrator, Normal User, and Pseudo User roles.

- This prevents unauthorized access and ensures that users have the appropriate permissions for their tasks.

12. \*\*Efficiency and Time-saving:\*\*

- JEFA significantly reduces the stress and time involved in manually assigning students to halls, making corrections, and generating lists.

- It eliminates errors and offers an efficient solution for managing examination hall arrangements.

Overall, the JEFA app provides an organized and efficient way to handle the complex task of arranging students in examination halls. With its user-friendly interface, automated processes, and various functionalities, it simplifies the workload for teachers and administrators while enhancing accuracy and accessibility for all users.