

# Algorithm for Diary Management System

**Step 1:** Start Program.

**Step 2:** Display message, "Welcome to Diary Management System."

**Step 3:** Display main menu to user, "1. Add Record, 2. View Record, 3. Edit Record, 4. Delete Record, 5. Edit Password, 6. Exit."

**Step 4:** Get choice from the user.

**Step 5:** If user selects, "1. Add Record"

**Step 5(a):** Display message, "Welcome to the add menu."

**Step 5(b):** Get date of record from the user.

**Step 5(c):** Get time of record from the user.

**Step 5(d):** Get name of the user.

**Step 5(e):** Get place of record from the user.

**Step 5(f):** Get duration of record from the user.

**Step 5(g):** Get the note from the user.

**Step 5(h):** Display message, "Your Record is added. Add another record (Y/N) ."

**Step 5(i):** If user enters "y", then redirect to 'Step 5(c)'

**Step 5(j):** If user enters "n", then display message, "Press Any Key to Exit" and redirect to 'Step 3.'

**Step 6:** If user selects, "2. View Record."

**Step 6(a):** Display message, "Here is the viewing menu. For Security reasons Only Three Trial allowed."

**Step 6(b):** If Password is correct and Records exists, display message, "Access Granted."

**Step 6(c):** Get date of previously entered record from user.

**Step 6(d):** If date is correct, Display message, "1. View Record of the whole day or 2. Record of a fix time"

**Step 6(e):** If user selects 1. View Record of the whole day, display Record of the whole day from records and prompt user to, "Continue viewing or not."

**Step 6(f):** If user selects "Y", then get date of existing record from the user and redirect to Step 6(d).

**Step 6(g):** If user selects no redirect to Step 3.

**Step 6(h):** If user selects, 2. Record of a fix time in **Step 6(d)**, then get time of record time from user.

**Step 6(i):** If time matches, then display record at particular time and prompt user to, "Continue Viewing or not."

**Step 7:** If user selects, "3. Edit Record."

**Step 7(a):** Display message, "Welcome to the Editing Menu, For security purpose, only three trials are allowed."

**Step 7(b):** Get password from the user.

**Step 7(c):** If Password matches, then display message, "Access Granted." And get date of record from the user.

**Step 7(d):** If date of record exists, then get time of record from the user.

**Step 7(e):** If time of record exists, then display old record of that particular time and prompt user what they would like to change.

**Step 7(f):** Give user the option to change the following, "1. Time, 2. Meeting Person, 3. Meeting Place, 4. Duration, 5. Note, 6. Whole Record, and 7. Go back to menu."

**Step 7(g):** If user selects 1. Time, display message, "Enter the new data" and get the new time from the user. The same applies from option 2 – 6.

**Step 7(h):** After editing data, prompt user whether to "Continue editing or not."

**Step 7(i):** If user enters yes then redirect to Step 7(f).

**Step 7(j):** If user enters no then display message, "File is edited" and redirect to Step 3.

**Step 7(k):** If user selects 7. Go back to main menu, then redirect to **Step 3**.

**Step 8:** If user selects, "4. Delete Record"

**Step 8(a):** Display message, "Welcome to delete menu, for security purpose, only three trials are allowed."

**Step 8(b):** Get password from user.

**Step 8(c):** If password matches, display options, "1. Delete Whole Record or 2. Delete a particular record by time."

**Step 8(d):** If user selects 1. Delete Whole record, then get of date of record from the user.

**Step 8(e):** If record exists, then proceed to delete record and display message, "Deleted Successfully."

**Step 8(f):** Prompt user to, "Continue to delete other files or not".

**Step 8(g):** If user selects yes then redirect to **Step 8(c)**.

**Step 8(h):** If user Selects no then redirect to **Step 3**.

**Step 8(i):** If user selects 2. Delete A particular Record by time, get date of record from the user.

**Step 8(j):** Get time of record from the user, proceed to delete record and display message, "Deleted Successfully." And redirect user to **Step 8(f)**.

**Step 9:** If user selects, "5. Edit Password."

**Step 9(a):** Display message, "Your Password is 'Enter', Press 'Enter' to change password."

**Step 9(b):** After user presses enter, display message, "For security purpose, only three trials allowed" and get the password from the user.

**Step 9(c):** If password is correct, display message, "Access Granted" and get the new password from the user.

**Step 9(d):** Display message, "Confirm password", to prompt user to re-enter password again.

**Step 9(e):** If password matches, display message, "Password Changed, Press any key to go back." Redirect to **Step 3**.

**Step 9(f):** If password entered in **Step 9(b)** is wrong, then display message, "Wrong Password, Access Denied" and prompt user to re-enter password again.

**Step 9(g):** If Password entered in **Step 9(b)** is wrong three times, then display message, "You entered wrong password, you are not allowed to access any file" and redirect to **Step 3**.

**Step 10:** If user selects, "6. Exit."

**Step 10(a):** Display message, "THANK YOU FOR USING THE SOFTWARE."

**Step 10(b):** User continues to press any key to exit.