COMPLIANCE REPORT

for

NGO Management System

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1 Introduction and Important Points

This is the Compliance Report for the NGO Management Software. Here we run the test cases on the software and decide a PASS/ FAIL verdict for each case.

NOTE: For a positive test case, the expected result should be **PASSED**, while for a negative test case, the expected result should be **FAILED**.

2 Compliance Report for the Backend Classes

and Database Management

2.1 TEST SUITE CASES

1. Login and Signup Process for Admin and Donors Login:

1. User (Admin/ Donor) enters Username and Password which are stored in the database.

PASSED

2. User (Admin/ Donor) enters wrong username

FAILED

3. User (Admin/ Donor) enters wrong password

FAILED

Signup:

1. When a donor registers for the first time

PASSED

2. When a donor registers with an already existing username **FAILED**

3. When a donor registers with a pre-existing email ID

FAILED

2. Adding the student data by the admin of the NGO.

1. When the student data is filled for the first time.

PASSED

2. When the same student data is filled again.

FAILED

3. Adding the details of various items by the admin of the NGO.

1. The price of a selected item is changed by the admin.

PASSED

4. Adding the donations made.

1. The admin adds some amount to be donated.

PASSED

2. The admin adds some quantity of selected item for donation.

PASSED

5. Sorting the student details based on performance, gender parental income.

1. The student database, on clicking the "Donate" button, gets sorted on the basis of performance, gender and parental income.

PASSED

6 Displaying details of all donors accessible by admin

1. Displaying all details properly

PASSED

7 Ensuring that the required donated items are used at first

for the students according to the given priority order (if available); if not available then other required items are provided/ money is spent to buy them.

All the items are distributed among the students as per the specified criterias.

PASSED

8 Display expenditure of the present year.

1. All the expenditure details are displayed properly.

PASSED

3 Compliance Report for the Frontend GUI Interface

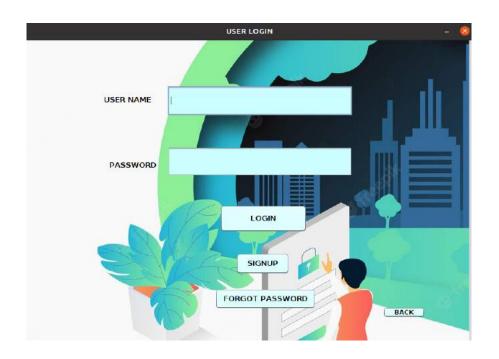
3.1 Home Page

The homepage of our NGO management system looks as follows:



3.2 Donor Login Page

The donor login page, as attached below, shows options for login by entering username and password. It also has options for signup and forgot password, as well as a back button for returning to the home screen.



3.3 Donor Sign up

On clicking the 'SIGNUP' button, we are redirected to the 'DONOR SIGNUP' page. Here one has to fill up their details like Name, Username, password, email ID, phone no and Residence.

After that they need to click on 'Agree to Terms and Conditions' and click on 'SIGNUP'. Alternatively they can also go back to the previous screen.

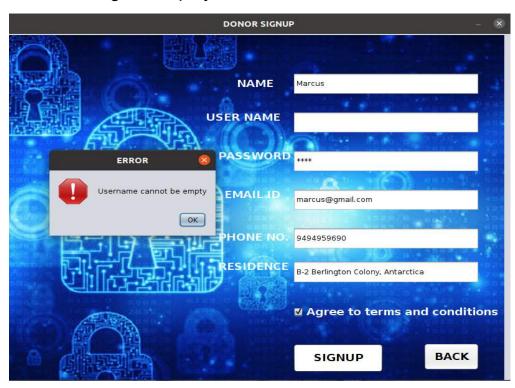


3.4 Donor Sign Up Errors and Successful Signup

The following four pictures show the errors which are handled by the software while donor sign up.

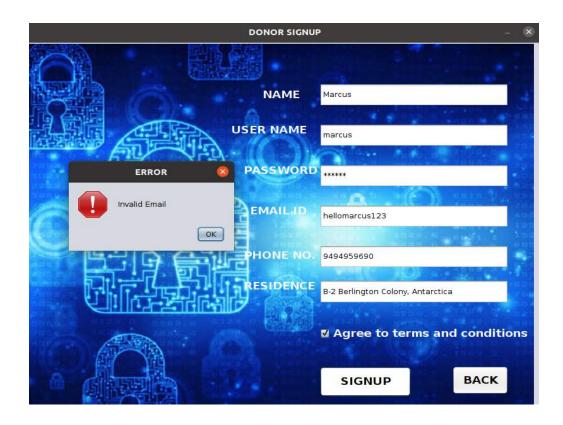
3.4.1 Empty text field

When any of the fields is left empty, the appropriate error message is displayed.



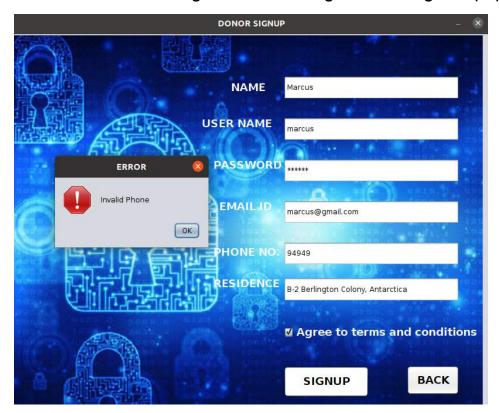
3.4.2 Invalid Email ID

When the email is entered in wrong format by the user (missing @ sign), an error message is displayed on signup in a dialog box as below:



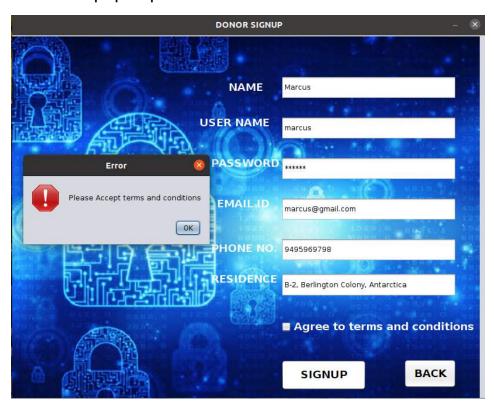
3.4.3 Invalid Phone number

When the phone number is entered in a wrong format or it has less than 7 digits, the following error dialog box pops up:



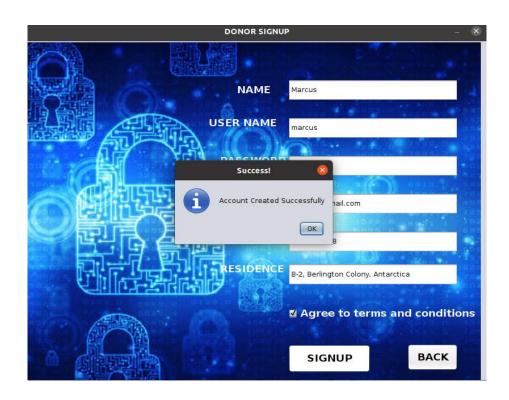
3.4.4 The agree to terms and conditions box is not checked

We have to check the dialog box for agreeing to the terms and conditions, without which the error dialog box for the same pops up as follows:



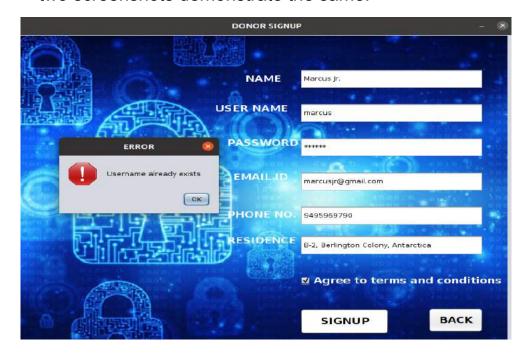
3.4.5 Successful Signup

When the user enters all information correctly without committing any of the above errors, a dialog box asks if the donor finally wants to create an account. If he clicks yes, a new account is created for the corresponding donor and following screen shows up:



3.4.6 When an account is created through the same username or email:

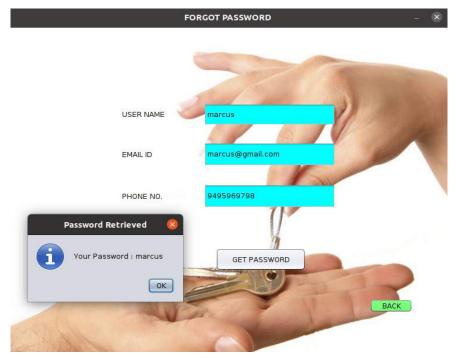
We have already discussed in test suite that same username and email cannot be taken up by two different users. The below two screenshots demonstrate the same.





3.5 Forget Password

In case the user forgets their password, they can go to the LOGIN Page and click on 'FORGOT PASSWORD' option and on the new screen, they need to enter the user name, email ID and phone no to retrieve their password. A dialog box will appear on the screen showing the password. The user just needs to click on 'GET PASSWORD'.



3. 6 Donor Login

Once a donor has signed up, they can go to the 'LOGIN PAGE' and enter their username and password to login.

3.6.1 Login Error

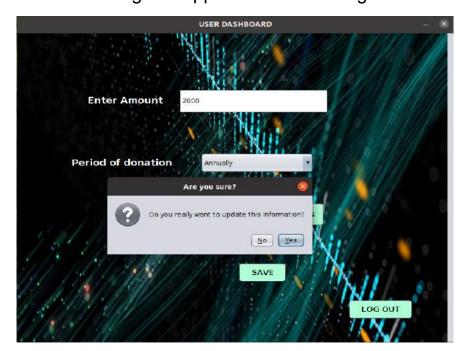
If the donor enters wrong credentials, then an error message will pop up and they will then either have to re-enter the correct credentials or retrieve their password.



3.7 Donation of Money

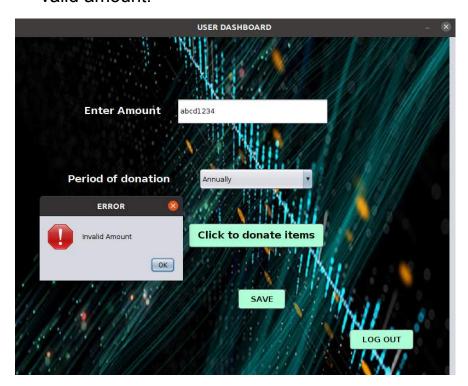
On login, the donor will be greeted with the User Dashboard having the options to 'Enter Amount', specify the 'Period of Duration' which is a dropdown having 2 options: Annually and Semi Annually. Then the user needs to click on 'SAVE' button first and then click on 'Click to donate items' to complete the donation. Also there is an option to 'LOG OUT'.

A confirmation dialog box appears before saving the donation.



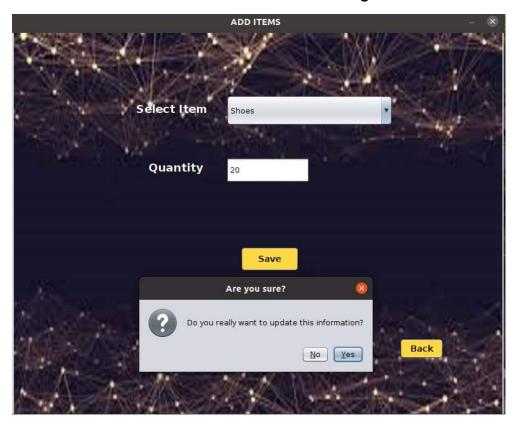
3.7.1 Error while donating items:

If the user enters the amount in an invalid format then an error message pops up. The user needs to enter a valid amount.



3.8 Adding of items (non-monetary goods) by the donor:

After the donor exits the above previous window, the user is now shown a new screen having the option to 'ADD ITEMS'. Here the user may donate non-monetary goods if they wish to. This page has 2 options: 'Select Item' and 'Quantity'. There are 5 Options under items: Books, Dress, Stationary, Bag and Shoes. After donating the donor has to click on the 'BACK' button. There is a confirmation box before donating.



3.9 Admin Login

3.9.1 Login Page:

The admin login page is as follows:



3.9.2 Login Error:

When the admin enters wrong credentials, a dialog box is displayed with an error message as follows:



3.9.3 Admin Dashboard:

When the admin enters correct credentials, a new window pops up with the title "Admin Dashboard" as follows:



3.10 Add Student Option: Errors and Successful Addition

3.10.1 Add Student HomePage:

The add student home page looks as below:



3.10.2 Error when any of the text fields is left empty

When any of the text fields is left empty and the save button is clicked, an error message dialog box pops up as below:



3.10.3 Error when any of the numeric fields contain any other

character apart from integer constants

The error message is displayed when any of the numeric fields contain any other character apart from integer constants as follows:



3.10.4 Successful addition of details of a student

When none of the above errors are committed, the following confirmation dialog box is shown and the student details are added.



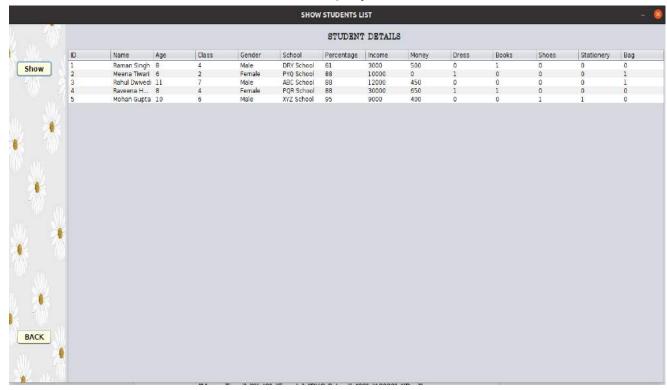
3.10.5 Error when duplicate student details are added

When the admin tries to add a student such that all of his parameters match exactly with that of a previous student, the following error message is displayed:



3.11 Show Student Details:

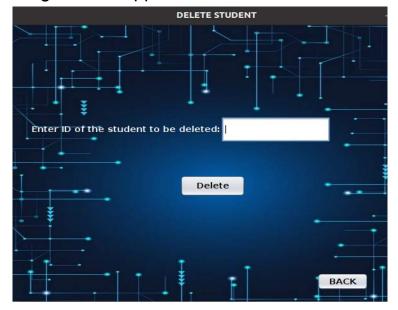
When the admin clicks on the "Show Students List" button, all student data he has entered is displayed in a table as below:



3.12 Delete a student:

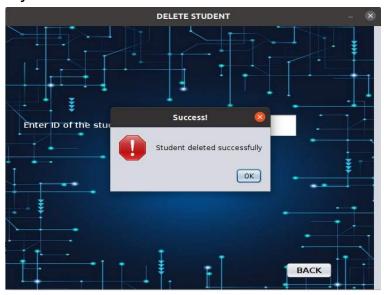
3.12.1 The delete student window:

When the admin clicks the button to delete a student, the following window appears:



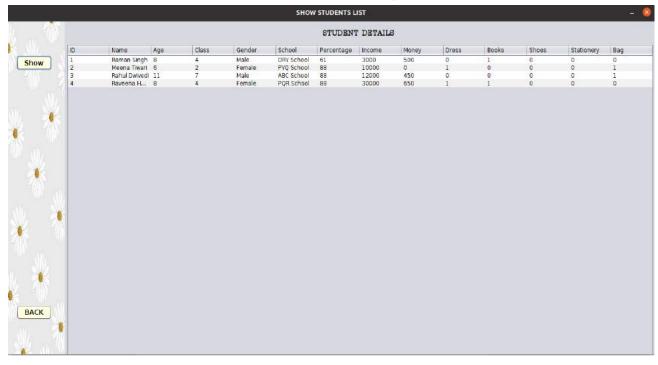
3.12.2 Successfully deletion of a student:

When the admin enters correct id of a student present in the database, the following successful deletion message is displayed:



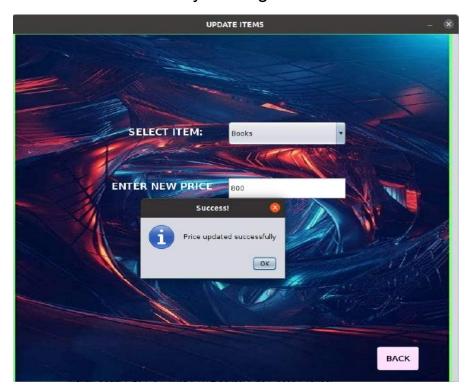
3.12.3 Corresponding changes in the database:

When the deletion is successful as above, the student with the corresponding ID is deleted from the database record. This is visible when we verify after clicking on the show student details button. In previous case, if we deleted ID 5, therefore the student list is updated to the following:



3.13 Update Items:

The admin can go to the Admin Dashboard and click on 'Update Items' and change the prices of the items as per the demands/ requirements. The page has 2 options: 'Select Item' and 'Enter New Price'. On successfully saving the updated price, a dialog Box confirming the same would show up. The admin can then return to the dashboard by clicking on 'BACK'.



3.14 Show Items List

The admin can also view the list of items by going to the dashboard and clicking on 'Show Items List'. It displays content in the form of a table. It shows the ID, Name (of product), Rate (Price) and Quantity (presently available). It also has a 'BACK' button.



3.15 Show Donor List

The admin can click on the show donor list button to get the details of all the donors, which may even help the admin to contact the donor whenever required by accessing his details.



3.16 Donation

3.16.1 Implementing donation, which is a one-time process in a

year or a period

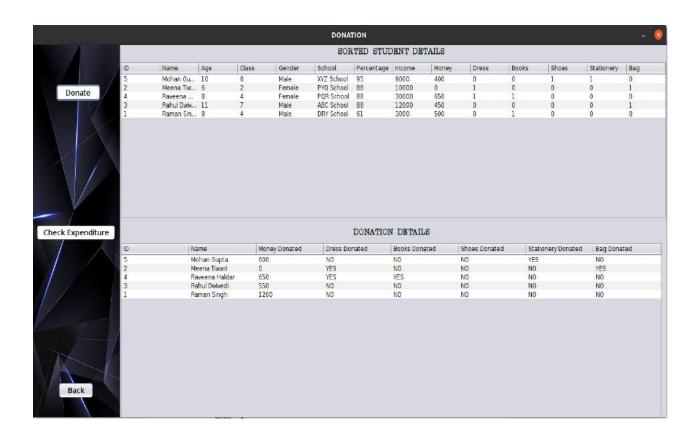
When the admin clicks on the donation button and further goes on to click "Donate", the following window along with the shown warning pops up:



3.16.2 Showing final donation results

When the admin clicks on Yes in the above dialog box, the final results of the current year's donation are displayed. In the upper half of the screen, the student data sorted as required, is displayed. The students are sorted first on the basis of marks,

then remaining ties are broken firstly by gender (girls preferred over boys) and then by lower parental income. In the second half, the donation details are displayed. It shows which student received what after donation. For donated money, the amount donated is displayed and for the remaining items, whether it is donated as an item or not is displayed. The below table is the result of the donation when the items were available as shown in section 3.14. It can be verified that the results match exactly with what we wanted.



3.16.3 Check the expenditure of the present year

When the admin clicks on the check expenditure button, the total money spent by the NGO (only money, excluding the Items which were donated separately by the donors) is displayed as follows:



3.16.4 The items list gets updated as soon as donation is implemented

When the donation for the current year is implemented, the items list is also updated accordingly. In our case, the following is the screenshot of the items list after the donation feature has been implemented:

