Test Suite

for

<u>Work Management System (WMS)</u>

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DATABASE CREATION :

The Test Suite will be submitted along with a JS script to be run while the localhost is in action, by running the script a sample database consisting of :

1. 4 Users
2. 8 Works (2 of Each Type)
3. 16 Workers (4 of Each Role)

will be created.

Note :
   a. Here Work Type and Worker Role are different attributes of two different classes, however they take values from a common set
   b. All the Test Cases below have been designed based on the above created database, any alterations to the database creation would result in different results

SignUp :

Database creation has already created 4 users.

A. Create a New User
   a. Username : user5
   b. Password : password5

Test Cases : Pass

B. Test non-repetition (should issue "user already exists" message)
   a. Username : user1
   b. Password : {Anything of Choice}

Test Cases : Pass

Login :

A. Test non-existing User (should issue "username not found" message)
   a. Username : user10
   b. Password : {Anything of Choice}

Test Cases : Pass

B. Wrong Password for existing User (should issue "wrong password" message)
   a. Username : user1
   b. Password : {Anything of Choice except "password1"}

Test Cases : Pass

C. Successful Login (redirects you to the Home page)
   a. Username : user2
   b. Password : password2

Test Cases : Pass

Worker Class :

A. Add Worker : Database creation does the same

                                                      Test Cases : Pass

B. Edit Worker
   a. Worker_A4
      i. Attribute "name" => "Worker_Updated_A4"
   b. Worker_B4
      i. Attribute "name" => "Worker_Updated_B4"

                                                      Test Cases : Pass

C. Delete Worker
   a. Worker_C4
   b. Worker_D4

                                                      Test Cases : Pass

D. Free Worker (can be performed only after worker assignment)
   a. Worker_A1
   b. Worker_B1
   c. Worker_C1
   d. Worker_D1

                                                      Test Cases : Pass

E. Search Worker (by "name" attribute)
   a. C1 (for Worker_C1)
   b. D2 (for Worker_D2)

                                                      Test Cases : Pass

F. Search Worker (by "worker_id" attribute)
   a. 8 (for Worker_Updated_B4)
   b. 13 (for Worker_D1)

                                                      Test Cases : Pass

Work Class :

A. Add Work : Database creation does the same

                                                      Test Cases : Pass

B. Edit Work
   a. Work_7
      i. Attribute "name" => "Updated_Work_7"
   b. Work_8
      i. Attribute "name" => "Updated_Work_8"

C. Delete Work (Available within the "Edit" option as "Mark as Complete and Delete Work")
   a. Updated_Work_7
   b. Updated_Work_8

D. Search Work (by "name" attribute)
   a. 1 (for Work_1)
   b. rk_2 (for Work_2)

E. View Workers (preferably after worker assignment)
   a. Work_1
   b. Work_2

Worker Assignment Manual
➔ Select Type : "A"
   ◆ Work_1
      ● Select => "Allocate Manually"
         ○ Worker_A1
➔ Select Type : "B"
   ◆ Work_2
      ● Select => "Allocate Manually"
         ○ Worker_B1
➔ Select Type : "C"
   ◆ Work_3
      ● Select => "Allocate Manually"
         ○ Worker_C1
➔ Select Type : "D"
   ◆ Work_4
      ● Select => "Allocate Manually"
         ○ Worker_D1

Worker Assignment Automatic
➔ Select Type : "A"
   ◆ Work_5
      ● Select => "Assign Worker"
➔ Select Type : "B"
   ◆ Work_6
      ● Select => "Assign Worker"

INTERFACES

A. Login Page
   a. Input Text For Username
   b. Input Text For Password
   c. "Login" Button
   d. "SignUp" Redirection HyperLink

B. SignUp Page
   a. Input Text for Username
   b. Input Text for Password
   c. "Submit" Button

C. Home Page
   a. "Work Details" Button => Takes to the "List of Works" page
   b. "Workers Details" Button => Takes to the "List of Workers" page
   c. "Work Assignment" Button => Takes to the "Work Assignment" page
   d. "LogOut" redirection => Takes to the "Login" Page

D. List of Works Page
   Displays the details of all the Works in the Database.
   a. Search Bar and Search Button : Serves the Search Function*
   b. Add Work : Serves the purpose of Adding Work*
   c. Edit : Serves the purpose of editing Work Details*
   d. View Workers : Shows all the Allocated Workers*
      * For more elaborated explanation refer to the "Test Plan Document"

E. List of Workers Page
   Displays the details of all the Workers in the Database
   a. Search Bars (for "name" and "worker_id" attribute) and Search Buttons : Serves the Search Function*
   b. Add Worker : Serves the purpose of of Adding Worker*
   c. Edit, Delete, Free Option : Performs individual actions as named*
         * For more elaborated explanation refer to the "Test Plan Document"

F. Work Assignment Page
   An Option in the form of Drop-Down List to select the Work Type*
   * For further details refer to the "Test Plan Document"