LoginScreen

A. LoginScreen 001, Login As Judge Functionality, Critical

B. Input "User ID" and "Password", select radio button "Judge", and click "Login" button.

C. If credential is correct, switch to JudgeMenuScreen; otherwise, popup box saying "ERROR: invalid credential" or "ERROR: invalid input".

A. LoginScreen 002, Login As Judge Equivalence, Critical

B. Input an integer between 0~65535 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. If credential is correct, switch to JudgeMenuScreen; otherwise, popup box saying "ERROR: invalid credential" or "ERROR: invalid input".

A. LoginScreen 003, Login As Judge Equivalence, Critical

B. Input an integer greater than 65536 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 004, Login As Judge Equivalence, Critical

B. Input an integer less than 0 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 005, Login As Judge Equivalence, Critical

B. Input a character more than 20 in "Password" field and an integer between 0-65535 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 006, Login As Judge Boundary, Critical

B. Input -1 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 007, Login As Judge Boundary, Critical

B. Input an integer 65536 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 008, Login As Judge Boundary, Critical

B. Input 0 character in "Password" field and an integer between 0-65535 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 009, Login As Judge Boundary, Critical

B. Input 21 characterats in "Password" field and an integer between 0-65535 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 010, Login As Contestant Functionality, Critical

B. Input "User ID" and "Password", select radio button "Contestant", and click "Login" button.

C. If credential is correct, logged in into ContestantMenuScreen; otherwise, popup box saying "ERROR: invalid credential" or "ERROR: invalid input".

A. LoginScreen 011, Login As Contestant Equivalence, Critical

B. Input an integer between 0-65535 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 012, Login As Contestant Equivalence, Critical

B. Input an integer less than 0 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 013, Login As Contestant Equivalence, Critical

B. Input an integer more than 65536 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 014, Login As Contestant Boundary, Critical

B. Input -1 in "User ID" field and a password with 0-20 characters in "Password" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 015, Login As Contestant Boundary, Critical

B. Input 65535 in "User ID" field and a password with 0-20 characters in "Password" field then click

"Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 016, Login As Contestant Equivalence, Critical

B. Input a password with 0-20 characters in "Password" field and an integer between 0-65535 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 017, Login As Contestant Equivalence, Critical

B. Input a password more than 21 characters in "User ID" field and an integer between 0-32768 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 018, Login As Contestant Boundary, Critical

B. Input 0 character in "password" field and an integer between 0-65535 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

A. LoginScreen 019, Login As Contestant Boundary, Critical

B. Input a password with 21 characters in "User ID" field and an integer between 0-32768 in "User ID" field then click "Login" button.

C. Pop up a box saying "ERROR: invalid input".

JudgeMenuScreen

A. JudgeMenuScreen 001, "Create a round" Button Functionality, Critical

B. Click on "Create a round" button.

C. Switch to CreateARoundScreen, which shows the 5 attributes for a round - "Name" (varchar(20)), "Season"(varchar(20)), "Year"(integer), "Time"(varchar(20)), "Location"(varchar(20)); their corresponding fields; a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 002, "Assign contestant to round" Button Functionality, Critical

B. Click on "Assign contestant to round" button.

C. Switch to AssignContestantScreen, which shows two drop down lists: Contestant ID, Round Name; a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 003, "Create an evaluation" Button Functionality, Critical

B. Click on "Create an evaluation" button.
C. Switch to CreateAnEvaluationScreen, which shows the 3 attributes for an evaluation- "Evaluation Type" (varchar(20)), "Percent Weight"(integer), "Deadline"(date); their corresponding fields; a drop down list "Round" containning existing records; a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 004, "Create an evaluation" Button Functionality, Critical
B. Input characters with length 21 for "Evaluation Type", then click "Submit"
C. It should pop up a box says "Invalid Input"

A. JudgeMenuScreen 005, "Modify an evaluation" Button Functionality, Critical
B. Click on "Modify an evaluation" button.
C. Switch to ModifyAnEvaluationScreen, which shows the 2 drop down lists- "Round", "Evaluation Type"; 5 attributes for a round - "Percent Weight", "Deadline"; a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 006, "Enter score" Button Functionality, Critical
B. Click on "EnterScore" button.
C. Switch to EnterScoreScreen, which shows the 3 drop down lists- - "Name" (varchar(20)), "Season"(varchar(20)), "Year"(integer); a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 007, "Report of rounds" Button Functionality, Critical
B. Click on "Report of rounds" button.
C. Switch to ReportOfRoundsScreen, which displays values of 6 attributes for a round- "Round Name", "Test Time", "Test Room", "# of contestants", "# of evaluations", "# of notices"; a "Submit" button; and a "Go back" button.

A. JudgeMenuScreen 008, "Report of contestants and scores" Button Functionality, Critical
B. Click on "Report of contestants and scores" button.
C. Switch to ReportOfContestantsAndScoresScreen, which a table contains the records of contestants and their corresponding scores; and a "Go back" button.

A. JudgeMenuScreen 009, "Logout" Button Functionality, Critical
B. Click on "Logout" button.
C. Switch to LoginScreen..

Sub Screens for Judge
A. CreateARoundScreen 001, Create A Round Functionality, Important

B. Input all 5 fields and click on "Submit" button.

C. If record is successfully added to database, popup box saying "SUCCESS: record added"; otherwise, popup box saying "ERROR: failed to add record".

A. CreateARoundScreen 002, Create A Round Equivalence, Critical

B. Input characters with length between 0-20 for "Name", "Season", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should successfully create a round in the database and return to the User Menu Screen.

A. CreateARoundScreen 003, Create A Round Boundary, Critical

B. Input characters with length 21 for "Name" field, characters with length between 0-20 for "Season", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. CreateARoundScreen 004, Create A Round Boundary, Critical

B. Input characters with length 21 for "Season" field, characters with length between 0-20 for "Name", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. CreateARoundScreen 005, Create A Round Boundary, Critical

B. Input characters with length 21 for "Time" field, characters with length between 0-20 for "Season", "Name" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. CreateARoundScreen 006, Create A Round Boundary, Critical

B. Input characters with length 21 for "Location" field, characters with length between 0-20 for "Season", "Time" and "Name" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. CreateARoundScreen 007, Create A Round Boundary, Critical

B. Input an integer 65536 for "Year" field, characters with length between 0-20 for "Name", "Season", "Time" and "Location" fields, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. CreateARoundScreen 008, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to JudgeMenuScreen.

A. ModifyARoundScreen 001, Modify A Round Functionality, Important

B. Select an existing round, input all 5 fields and click on "Submit" button.

C. If record is successfully modified in database, popup box saying "SUCCESS: record modified"; otherwise, popup box saying "ERROR: fails to modify the record".

A. ModifyARoundScreen 002, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to JudgeMenuScreen.

A. ModifyARoundScreen 003, Modify A Round Equivalence, Critical

B. Input characters with length between 0-20 for "Name", "Season", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should successfully create a round in the database and return to the User Menu Screen.

A. ModifyARoundScreen 004, Modify A Round Boundary, Critical

B. Input characters with length 21 for "Name" field, characters with length between 0-20 for "Season", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. ModifyARoundScreen 005, Modify A Round Boundary, Critical

B. Input characters with length 21 for "Season" field,characters with length between 0-20 for "Name", "Time" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. ModifyARoundScreen 006, Modify A Round Boundary, Critical

B. Input characters with length 21 for "Time" field, characters with length between 0-20 for "Name", "Season" and "Location" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. ModifyARoundScreen 007, Modify A Round Boundary, Critical

B. Input characters with length 21 for "Location" field, characters with length between 0-20 for "Name", "Season" and "Time" fields, 2013-2099 for "Year" field, then click "Submit" button.

C. It should pop up a box saying "ERROR: Invalid input"

A. ModifyARoundScreen 008, Modify A Round Boundary, Critical

B. Input an integer 65536 for "Year" field, characters with length between 0-20 for "Name", "Season",

"Time" and "Location" fields, then click "Submit"

C. It should pop up a box saying "ERROR: Invalid input"

A. AssignContestantScreen 001, Assign Contestant to Round Functionality, Important

B. Select the attributes from the two dropdown lists and click on "Submit" button

C. If the contestant is successfully added in the database, popup box saying "SUCCESS: record added"; otherwise, popup box saying "ERROR: fails to added the record".

A. AssignContestantScreen 002, Go Back Functionality, Workaround

B. Click on "Go back" button

C. Switch to JudgeMenuScreen.

A. CreateAnEvaluationScreen 001, Create An Evaluation Functionality, Important

B. Select an existing round, input all 3 fields and click on "Submit" button.

C. If record is successfully added to database, popup box saying "SUCCESS: record added"; otherwise, popup box saying "ERROR: failed to add record".

A.CreateAnEvaluationScreen 002, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to JudgeMenuScreen.

A. CreatAnEvaluationScreen 003, Create An Evaluation Equivalence, Critical

B. Select a valid round in the drop down box, input characters with length between 0-20 for "Evaluation Type", an integer from 0-100 for "PercentWeight" and a date formated in "YYYY-MM-DD" for "Deadline". Click "Submit"

C. If record is successfully added to database, popup box saying "SUCCESS: record added"; otherwise, popup box saying "ERROR: failed to add record".

A. CreatAnEvaluationScreen 004, Create An Evaluation Boundary, Important

B. Input an integer 101 for "Percent Weight", then click "Submit"

C. It should pop up a box saying "ERROR: Invalid Input"

A. CreatAnEvaluationScreen 005, Create An Evaluation Boundary, Important

B. Input "2013-14-1" for "Deadline", then click "Submit"

C. It should pop up a box saying "ERROR: Invalid Input"

A. ModifyAnEvaluation 001, Modify An Evaluation Functionality, Critical

B. Select an existing round and evaluation type, input all 2 remaining fields and click on "Submit" button.
C. If record is successfully modified in database, popup box saying "SUCCESS: record modified"; otherwise, popup box saying "ERROR: fails to modify the record".

A. ModifyAnEvaluation 002, Go Back Functionality, Workaround
B. Click on "Go back" button.
C. Switch to JudgeMenuScreen.

A. ModifyAnEvaluation 003, Modify An Evaluation Equivalence, Important
B. Select an existing round and evaluation type, input an integer from 0-100 for "PercentWeight" and a date formated in "YYYY-MM-DD" for "Deadline". Click on "Submit" button.
C. If record is successfully modified in database, popup box saying "SUCCESS: record modified"; otherwise, popup box saying "ERROR: fails to modify the record".

A. EnterScoreScreen 001, Enter A Contestant Score Functionality, Critical
B. Select the attributes from the three drop down lists, input 1 field and then click on "Submit" button.
C. It should successfully record a score in the database and return to the JudgeMenuScreen.

A. EnterScoreScreen 002, Go Back Button Functionality, Workaround
B. Click on "Go back" button.
C. Switch to JudgeMenuScreen.

A. EnterScoreScreen 003, Enter A Contestant Score Equivalence, Important
B. Select the attributes from the three drop down lists, input an integer between 0-100 in "Score" field and then click on "Submit" button
C. It should successfully record a score in the database and return to the JudgeMenuScreen.

A. EnterScoreScreen 004, Enter A Contestant Score Equivalence, Important
B. Select the attributes from the three drop down lists, input an integer 101 or greater in "Score" field and then click on "Submit" button
C. It should pop up a box saying "ERROR: Invalid input"

A. EnterScoreScreen 005, Enter A Contestant Score Boundry, Important
B. Select the attributes from the three drop down lists, input an integer 101 in "Score" field and then click on "Submit" button
C. It should pop up a box saying "ERROR: Invalid input"

A. ReportOfRoundsScreen 001, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to JudgeMenuScreen.

A. ReportOfContestantsAndScoresScreen 001, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to JudgeMenuScreen.

ContestantMenuScreen

A. Calendar of evaluations 001, Calendar Table of Contestant's Evaluations Functionality, Critical

B. Click the "Calendar of evaluations" button when log in as a contestant.

C. Switch to CalendarOfEvaluationScreen. It should successfully display the contestant's own evaluations calendar as a table.

A. Calendar of evaluations 002, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to ContestantMenuScreen.

A. Report of Rounds 001, Contestant's Round Information Functionality, Critical

B. Click the "Report of rounds" button when log in as a contestant.

C. Switch to ReportOfRoundScreen. Show the contestant's all contest rounds' info that he or she participates in.

A. Report of rounds 002, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to ContestantMenuScreen.

A. Report of scores 001, Contestant's Score Information Functionality, Critical

B. Click the "Report of scores" button when log in as a contestant.

C. Switch to ReportOfScoreScreen. Show the contestant's all contest rounds' score info that he or she participates in.

A. Report of scores 002, Go Back Functionality, Workaround

B. Click on "Go back" button.

C. Switch to ContestantMenuScreen.