Seed Project with 100 Defects

Requirement for execution

• Architectural dependency: 64 bit JVM

• Resources requirement: Executable jar file

Instruction for execution

In Unix:

- 1. Download the executable jar file named Talent.jar
- 2. Open up a terminal window
- 3. Change into the directory where you saved the jar file
- 4. Run the following command: java -jar Talent.jar

In Windows:

- 1. Download the executable jar file
- 2. Double click the jar file

FYI

- A JDBC driver comes with our executable jar file. There's no need to download a JDBC driver.
- There's no need to set up the database manually because we have put our database server on a database hosting platform which is running all the time. The Java application itself will connect to the database server inside the program at the beginning of execution.

User Info for Login

Judge

- o UserID: 1, Password: 1
- o UserID: 2, Password: 2
- o UserID: 3, Password: 3
- o UserID: 4, Password: 4

Contestant

- o UserID: 1, Password: 1
- o UserID: 2, Password: 2

o ...

o UserID: 12, Password: 12

Program Instruction and Functionality

Judge User

- In the LoginScreen, a judge user can login by entering the correct user ID and password.
- o In the JudgeMenuScreen, a contestant user can choose a specific task.
- In the CreateARoundScreen, a judge user can create a competition round by specifying detail information of a competition round.
- In the ModifyARoundScreen, a judge user can modify a competition round by specifying detail information of a competition round.
- o In the AssignContestantScreen, a judge user can assign a contestant to the competition round in which the contestant is attending.
- o In the CreateAnEvaluationScreen, a judge user can create an evaluation item for each competition round. For example, singing could be an evaluation in the talent competition.
- In the ModifyAnEvaluationScreen, a judge user can modify an evaluation item for each competition round.
- o In the EnterScoreScreen, a judge user can record the score of each contestant.
- In the ReportOfRoundsScreen, a judge user can see a report of each competition round including information such as the corresponding number of contestants.
- In the ReportOfContestantsAndScoresScreen, a judge user can see a report of the scores of each contestant.

• Contestant User

- In the LoginScreen, a contestant user can login by entering the correct user ID and password.
- o In the ContestantMenuScreen, a contestant user can choose a specific task.
- The CalendarOfEvaluationScreen, a contestant user can see a list of the score posting date of each evaluation so that he/she could check his/her score on that day.
- The ReportOfRoundScreen, a contestant user can check the detail information of each competition round.
- The ReportOfScoreScreen, a contestant user can check his/her scores on each competition round.

Defect Logs

Defe	Defect	Resultant Output		Suggested Correction	How can the defect be caught	Seve rity
		Before Seeding	After Seeding			
1	In LoginScreen, input UserID with non-integer causes exception but no message is displayed in GUI, the program stays on the LoginScreen	A message is displayed indicating invalid input	Input is not checked so exceptions are thrown, and program simply doesn't respond after clicking "Submit" button	Check the input and display an error message	Black Box	S3
2	In LoginScreen, input UserID with integer greater than 2147483647 causes exception but no message is displayed in GUI, the program stays on the LoginScreen	A message is displayed indicating invalid input	Input is not checked so exceptions are thrown, and program simply doesn't respond after clicking "Submit" button	Check the input and display an error message	Black Box	S3
3	In LoginScreen, input empty UserID causes exception but no message is displayed in GUI, the program stays on the LoginScreen	A message is displayed indicating invalid input	Input is not checked so exceptions are thrown, and program simply doesn't respond after clicking "Submit" button	Check the input and display an error message	Black Box	S3
4	In LoginScreen, input empty UserID and empty UserPassword causes exception but no message is displayed in GUI, the program stays on the LoginScreen	A message is displayed indicating invalid input	Input is not checked so exceptions are thrown, and program simply doesn't respond after clicking "Submit" button	Check the input and display an error message	Black Box	S3
5	In LoginScreen, input nonexistent JudgeUserID causes exception but no message is displayed in GUI, the program stays on the LoginScreen In LoginScreen, input	A message is displayed indicating invalid user info and login fail A message is displayed	Exceptions are thrown, and program simply doesn't respond after clicking "Submit" button Exceptions are	Check whether the return value from database is null and display an error message Check	Black Box Black	S3
6	nonexistent	indicating invalid user	thrown, and program	whether the	Box	S ₃

	ContestantUserID causes	info and login fail	simply doesn't	return value		
	exception but no message is		respond after clicking	from		
	displayed in GUI, the		"Submit" button	database is		
	program stays on the			null and		
	LoginScreen			display an		
				error		
				message		
				Add an if		
				statement to		
				ensure that a		
				user can only		
				login as a		
	In LoginScreen, if the radio			contestant		
	button is not selected, the			when the		
	program tries to login in as a	Only when the radio	A user can login as a	radio button		
	contestant even though the	button for contestant	contestant without	for		
					D11-	
_	contestant button is not	is selected can a user	having to select the	contestant is	Black	0-
7	selected.	login as a contestant.	radio button.	selected	Box	S2
				Clear all the		
				textfields		
				(use method		
	In LoginScreen, after logging			setText) in		
	out from JudgeMenu, all the	All the textfields in the	All the textfields in the	LoginScreen		
	textfields in the LoginScreen	LoginScreen are	LoginScreen are not	when logging		
	are filled with text content	cleared when logging	cleared when logging	out from	Black	
8	the user typed last time	out from JudgeMenu.	out from JudgeMenu.	JudgeMenu.	Box	S3
				Clear all the		
				textfields		
	In LoginScreen, after logging			(use method		
	out from ContestantMenu, all	All the textfields in the	All the textfields in the	setText) in		
	the textfields in the	LoginScreen are	LoginScreen are not	LoginScreen		
	LoginScreen are filled with	cleared when logging	cleared when logging	when logging		
	text content the user typed	out from	out from	out from	Black	
9	last time	ContestantMenu.	ContestantMenu.	JudgeMenu.	Box	S3
				Clear the		
				selection for		
				the radio		
		The radio button in the	The radio button in the	button in		
	In LoginScreen, after logging	LoginScreen is not	LoginScreen is	LoginScreen		
	out from JudgeMenu, the	selected for any role	selected for judge	when logging		
	radio button for judge is	when logging out from	when logging out from	out from	Black	
10	selected	JudgeMenu.	JudgeMenu.	JudgeMenu.	Box	S ₃
-		The radio button in the	The radio button in the	Clear the		- 0
	In LoginScreen, after logging	LoginScreen is not	LoginScreen is	selection for		
	out from ContestantMenu,	selected for any role	selected for contestant	the radio		
	the radio button for	when logging out from	when logging out from	button in	Black	
11	contestant is selected	ContestantMenu.	ContestantMenu.	LoginScreen	Box	S ₃
11	Contestant is selected	Contestantivienu.	Contestantivienu.	Positionical	DOV	აკ

				when logging		
				out from		
				ContestantM		
				enu.		
				Display a		
	In Create A Pound Saroan					
	In CreateARoundScreen,			message		
	creating a round with an			informing the user that		
	existing round name can't be			it failes to		
	done, exception happens, but	A				
	no message displayed to	An error message is	NT :-	create a		
	inform the user that it fail to	displayed informing	No message is	round when		
	create a round, the program	the existance of the	displayed when it fails	the round		
	let the user believe that it	same round name and	to create a round due	name	TA71 '1	
	succeeded and switches to	that it fails to create a	to duplicate round	already	White	α.
12	the menu screen.	round.	name.	exist.	Box	S2
			An round with empty	Check the		
	T G		round name can be	input and		
	In CreateARoundScreen,		created without	display an	D1 1	
	creating a round with empty	A message is displayed	displaying error	error	Black	~
13	round name is possible	indicating invalid input	message.	message	Box	S2
	In CreateARoundScreen,		Input is not checked			
	input empty season causes		so exceptions are	Check the		
	exception but no message is		thrown, and program	input and		
	displayed in GUI, the		simply doesn't	display an		
	program stays on the	A message is displayed	respond after clicking	error	Black	
14	CreateARoundScreen	indicating invalid input	"Submit" button	message	Box	S3
	In CreateARoundScreen,		Input is not checked			
	input empty year causes		so exceptions are	Check the		
	exception but no message is		thrown, and program	input and		
	displayed in GUI, the		simply doesn't	display an		
	program stays on the	A message is displayed	respond after clicking	error	Black	
15	CreateARoundScreen	indicating invalid input	"Submit" button	message	Box	S3
	In CreateARoundScreen,		Input is not checked			
	input year with non-integer		so exceptions are	Check the		
	causes exception but no		thrown, and program	input and		
	message is displayed in GUI,		simply doesn't	display an		
	the program stays on the	A message is displayed	respond after clicking	error	Black	
16	CreateARoundScreen	indicating invalid input	"Submit" button	message	Box	S3
	In CreateARoundScreen,			Check the		
	intput year with integer but	A message is displayed	Input is not checked	input and		
	not a valid year integer, no	indicating invalid	and the program	display an		
	error message is displayed	input. The round can't	created a round based	error	Black	
17	and a round can be created.	be created.	on invalid year.	message	Box	S2
	In CreateARoundScreen,	A message is displayed	Input is not checked	Check the		
	intput empty time, no error	indicating invalid	and the program	input and		
	message is displayed and a	input. The round can't	created a round based	display an	Black	
18	round can be created.	be created.	on empty time.	error	Box	S2

				message		
				Check the		
	In CreateARoundScreen,	A message is displayed	Input is not checked	input and		
	intput empty location, no	indicating invalid	and the program	display an		
	error message is displayed	input. The round can't	created a round based	error	Black	
19	and a round can be created.	be created.	on empty location.	message	Box	S2
	In CreateARoundScreen,		Input is not checked			
	input with all fields empty		so exceptions are	Check the		
	causes exception but no		thrown, and program	input and		
	message is displayed in GUI,		simply doesn't	display an		
	the program stays on the	A message is displayed	respond after clicking	error	Black	
20	CreateARoundScreen	indicating invalid input	"Submit" button	message	Box	S ₃
				Clear all the		
				textfields		
				(use method		
				setText) in		
				CreateARoun		
	In CreateARoungScreen,	All the textfields in the	All the textfields in the	dScreen		
	when entering the screen the	CreateARoundScreen	CreateARoundScreen	when		
	second time, all the textfields	are cleared when	are not cleared when	switching to		
	are filled with text content	switching to another	switching to another	another	Black	~
21	the user typed last time	screen.	screen.	screen.	Box	S3
	T NO 110 AP 10			Display a		
	In ModifyARoundScreen,			message		
	modifying a round name to			informing the user that		
	an existing round name can't be done, exception happens,			it failes to		
	but no message displayed to	An error message is		modify a		
	inform the user that it fail to	displayed informing	No message is	round when		
	modify a round, the program	the existance of the	displayed when it fails	the round		
	let the user believe that it	same round name and	to modify a round due	name		
	succeeded and switches to	that it fails to modify a	to duplicate round	already	White	
22	the menu screen.	round.	name.	exist.	Box	S2
	In ModifyARoundScreen,		Input is not checked			
	input empty season causes		so exceptions are	Check the		
	exception but no message is		thrown, and program	input and		
	displayed in GUI, the		simply doesn't	display an		
	program stays on the	A message is displayed	respond after clicking	error	Black	
23	ModifyARoundScreen	indicating invalid input	"Submit" button	message	Box	S ₃
	In ModifyARoundScreen,		Input is not checked			
	input empty year causes		so exceptions are	Check the		
	exception but no message is		thrown, and program	input and		
	displayed in GUI, the		simply doesn't	display an		
	program stays on the	A message is displayed	respond after clicking	error	Black	
24	ModifyARoundScreen	indicating invalid input	"Submit" button	message	Box	S ₃
	In ModifyARoundScreen,	A message is displayed	Input is not checked	Check the	Black	
25	input year with non-integer	indicating invalid input	so exceptions are	input and	Box	S ₃

	T	T	T.,	1, ,		
	causes exception but no		thrown, and program	display an		
	message is displayed in GUI,		simply doesn't	error		
	the program stays on the		respond after clicking	message		
	ModifyARoundScreen		"Submit" button			
	In ModifyARoundScreen,			Check the		
	intput year with integer but	A message is displayed	Input is not checked	input and		
	not a valid year integer, no	indicating invalid	and the program	display an		
	error message is displayed	input. The round can't	modified a round	error	Black	
26	and a round can be modified.	be modified.	based on invalid year.	message	Box	S2
20	and a round can be modified.	be mounted.	based on invalid year.	Check the	DOX	52
	I M 1'C AD 10		T 1 1 1			
	In ModifyARoundScreen,	A message is displayed	Input is not checked	input and		
	intput empty time, no error	indicating invalid	and the program	display an		
	message is displayed and a	input. The round can't	modified a round	error	Black	
27	round can be modified.	be modified.	based on empty time.	message	Box	S2
			Input is not checked	Check the		
	In ModifyARoundScreen,	A message is displayed	and the program	input and		
	intput empty location, no	indicating invalid	modified a round	display an		
	error message is displayed	input. The round can't	based on empty	error	Black	
28	and a round can be modified.	be modified.	location.	message	Box	S2
	In ModifyARoundScreen,		Input is not checked		1	
	input with all fields empty		so exceptions are	Check the		
	causes exception but no		thrown, and program	input and		
	_					
	message is displayed in GUI,	A	simply doesn't	display an	n11	
	the program stays on the	A message is displayed	respond after clicking	error	Black	_
29	ModifyARoundScreen	indicating invalid input	"Submit" button	message	Box	S3
	In ModifyARoundScreen,					
	when selecting empty round					
	name from the dropbox, no					
	error message is displayed					
	and it fails to modify any	An error message is		Check the		
	round, the program let the	displayed indicating	No message is	input and		
	user believe that it succeeded	empty round name and	displayed when it fails	display an		
	and	that it fails to modify a	to modify a round due	error	White	
30	switches to the menu screen.	round.	to empty round name.	message	Box	S2
30	switches to the menu screen.	Touriu.	to empty round name.	Clear all the	DUA	52
				textfields		
				(use method		
				setText) in		
				ModifyARou		
	In ModifyARoungScreen,	All the textfields in the	All the textfields in the	ndScreen		
	when entering the screen the	ModifyARoundScreen	ModifyARoundScreen	when		
	second time, all the textfields	are cleared when	are not cleared when	switching to		
	are filled with text content	switching to another	switching to another	another	Black	
31	the user typed last time	screen.	screen.	screen.	Box	S ₃
	In		Input is not checked	Check the	-	- 0
	AssignContestantToRoundSc	A message is displayed	so exceptions are	input and	Black	
00	reen, selecting nothing and		thrown, and program	_		So
32	reen, selecting nothing and	indicating invalid input	unown, and program	display an	Box	S3

37	displayed and an evaluation	can't be created.	based on empty	error	Box	S2
	type, no error message is	input. The evaluation	created an evaluation	display an	Black	
	intput empty evaluation	indicating invalid	and the program	input and		
	In CreateEvaluationScreen,	A message is displayed	Input is not checked	Check the		
36	displayed in GUI	indicating invalid input	"Submit" button	message	Box	S ₃
	exception but no message is	A message is displayed	respond after clicking	error	Black	
	selecting empty RoundName and clicking submit causes		thrown, and program simply doesn't	input and display an		
	In CreateEvaluationScreen,		so exceptions are	Check the		
			Input is not checked	al l ··l		
35	reen	indicating invalid input	"Submit" button	message	Box	S3
	AssignContestantToRoundSc	A message is displayed	respond after clicking	error	Black	
	the program stays on the		simply doesn't	display an		
	message is displayed in GUI,		thrown, and program	input and		
	causes exception but no		so exceptions are	Check the		
	RoundName and click submit		Input is not checked			
	reen, selecting empty					
	AssignContestantToRoundSc					
34	In	maicating invalid input	Subinit button	message	DOY	ავ
24	AssignContestantToRoundSc reen	indicating invalid input	"Submit" button	error	Васк	S ₃
	the AssignContactantToPoundSo	A message is displayed	simply doesn't respond after clicking	display an	Black	
	GUI, the program stays on		thrown, and program	input and		
Ì	no message is displayed in		so exceptions are	Check the		
	submit causes exception but		Input is not checked	Charletha		
	ContestantID and click		Innut is not sheeled			
	reen, selecting empty					
	AssignContestantToRoundSc					
	In					
33	switches to the menu screen.	that it fails to assign.	assignment.	exist.	Box	S2
	that it succeeded and	same assignment and	round due to duplicate	already	White	
	program let the user believe	the existance of the	to assign contestant to	assignment		
	contestatn to round, the	displayed informing	displayed when it fails	the		
	the user that it fail to assign	An error message is	No message is	round when		
	message displayed to inform			contestant to		
	exception happens, but no			assign		
	exists can't be done,			it failes to		
	assignment that already			the user that		
	reen, trying to make an			informing		
	AssignContestantToRoundSc			message		
	In			Display a		
	reen					
	AssignContestantToRoundSc					
	program stays on the		Submit Button			
	displayed in GUI, the		"Submit" button	message		
	exception but no message is		respond after clicking	message		
	click submit causes		simply doesn't	error		

44	displayed in GUI	indicating invalid input	respond after clicking	message	Box	S3
	exception but no message is	A message is displayed	simply doesn't	error	Black	
	and clicking submit causes		thrown, and program	display an		
	In ModifyEvaluationScreen, selecting empty RoundName		Input is not checked so exceptions are	Check the input and		
43	the user typed last time	screen.	screen.	screen.	Box	S3
	are filled with text content	switching to another	switching to another	another	Black	
	second time, all the textfields	n are cleared when	n are not cleared when	switching to		
	when entering the screen the	CreateEvaluationScree	CreateEvaluationScree	when		
	In CreateEvaluationScreen,	All the textfields in the	All the textfields in the	tionScreen		
				CreateEvalua		
				setText) in		
				(use method		
				textfields		
42	CreateEvaluationScreen	marcating invalid input	Subinit button	message Clear all the	DOY	S ₃
40	program stays on the CreateEvaluationScreen	A message is displayed indicating invalid input	"Submit" button	error	Black Box	So
	displayed in GUI, the	A magagaga is displayed	simply doesn't respond after clicking	display an	Dlagle	
	exception but no message is		thrown, and program	input and		
	non-date format causes		so exceptions are	Check the		
	input deadline date with		Input is not checked			
	In CreateEvaluationScreen,					
41	CreateEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S3
	the program stays on the	A message is displayed	respond after clicking	error	Black	
	message is displayed in GUI,		simply doesn't	display an		
	causes exception but no		thrown, and program	input and		
	input empty deadline date		so exceptions are	Check the		
70	In CreateEvaluationScreen,	Table & Coloured.	Input is not checked			~_
40	evaluation can be created.	can't be created.	percent weight.	message	Box	S2
	message is displayed and an	input. The evaluation	based on invalid	error	Black	
	integer but not a valid integer between 0 and 100, no error	A message is displayed indicating invalid	and the program created an evaluation	input and display an		
	intput percent weight with	A maggaga is displayed	Input is not checked	Check the		
	In CreateEvaluationScreen,		T	Cl1- +1		
39	the CreateEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S3
	in GUI, the program stays on	A message is displayed	respond after clicking	error	Black	
	but no message is displayed		simply doesn't	display an		
	non-integer causes exception		thrown, and program	input and		
	input percent weight with		so exceptions are	Check the		
	In CreateEvaluationScreen,	J Put	Input is not checked	<u> </u>		
38	CreateEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S ₃
	the program stays on the	A message is displayed	respond after clicking	error	Black	
	message is displayed in GUI,		simply doesn't	display an		
	causes exception but no		thrown, and program	input and		
	In CreateEvaluationScreen, input empty percent weight		Input is not checked so exceptions are	Check the		
			evaluation type.	message		
	can be created.		evaluation type	maccaga		

			"Submit" button			
	In ModifyEvaluationScreen,		Input is not checked			
	selecting empty		so exceptions are	Check the		
	EvaluationType and clicking		thrown, and program	input and		
	submit causes exception but		simply doesn't	display an		
	no message is displayed in	A message is displayed	respond after clicking	error	Black	
45	GUI	indicating invalid input	"Submit" button	message	Box	S ₃
	In ModifyEvaluationScreen,		Input is not checked			_
i	input empty percent weight		so exceptions are	Check the		
	causes exception but no		thrown, and program	input and		
i	message is displayed in GUI,		simply doesn't	display an		
	the program stays on the	A message is displayed	respond after clicking	error	Black	
46	ModifyEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S3
	In ModifyEvaluationScreen,		Input is not checked			
	input percent weight with		so exceptions are	Check the		
	non-integer causes exception		thrown, and program	input and		
	but no message is displayed		simply doesn't	display an		
	in GUI, the program stays on	A message is displayed	respond after clicking	error	Black	
47	the ModifyEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S ₃
	In ModifyEvaluationScreen,					
	intput percent weight with		Input is not checked	Check the		
	integer but not a valid integer	A message is displayed	and the program	input and		
	between 0 and 100, no error	indicating invalid	modified an evaluation	display an	D1 1	
	message is displayed and an	input. The evaluation	based on invalid	error	Black	Co.
48	evaluation can be modified.	can't be modified.	percent weight.	message	Box	S2
	In ModifyEvaluationScreen, input empty deadline date		Input is not checked	Check the		
	causes exception but no		so exceptions are thrown, and program	input and		
	message is displayed in GUI,		simply doesn't	display an		
	the program stays on the	A message is displayed	respond after clicking	error	Black	
49	ModifyEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S ₃
47	In ModifyEvaluationScreen,	maleuting invalid input	Submit Button	message	DOX	55
i	input deadline date with		Input is not checked			
	non-date format causes		so exceptions are	Check the		
	exception but no message is		thrown, and program	input and		
	displayed in GUI, the		simply doesn't	display an		
	program stays on the	A message is displayed	respond after clicking	error	Black	
50	ModifyEvaluationScreen	indicating invalid input	"Submit" button	message	Box	S ₃
_				Clear all the		
				textfields		
				(use method		
				setText) in		
	In ModifyEvaluationScreen,	All the textfields in the	All the textfields in the	ModifyEvalu		
	when entering the screen the	ModifyEvaluationScre	ModifyEvaluationScre	ationScreen		
	second time, all the textfields	en are cleared when	en are not cleared	when		
	are filled with text content	switching to another	when switching to	switching to	Black	
51	the user typed last time	screen.	another screen.	another	Box	S3

58	the user typed last time	to another screen.	screen.	screen.	Box	S3
	are filled with text content	cleared when switching	switching to another	another	Black	
	second time, all the textfields	EnterScoreScreen are	not cleared when	switching to		
	In EnterScoreScreen, when entering the screen the	All the textfields in the	All the textfields in the EnterScoreScreen are	ationScreen when		
			A11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ModifyEvalu		
				setText) in		
				textfields (use method		
				Clear all the		
57	entered.	be entered.	on invalid score.	message	Box	S2
	displayed and score can be	input. The score can't	entered a score based	error	Black	
	100, no error message is	indicating invalid	and the program	display an		
	valid integer between o and	A message is displayed	Input is not checked	input and		
	In EnterScoreScreen, intput score with integer but not a			Check the		
56	EnterScoreScreen	indicating invalid input	"Submit" button	message	Box	S3
	the program stays on the	A message is displayed	respond after clicking	error	Black	0.
	message is displayed in GUI,		simply doesn't	display an		
	causes exception but no		thrown, and program	input and		
	score with non-integer		so exceptions are	Check the		
-	In EnterScoreScreen, input	g r	Input is not checked			
55	EnterScoreScreen	indicating invalid input	"Submit" button	message	Box	S ₃
	program stays on the	A message is displayed	respond after clicking	error	Black	
	displayed in GUI, the		simply doesn't	display an		
	empty score causes exception but no message is		so exceptions are thrown, and program	Check the input and		
	In EnterScoreScreen, input		Input is not checked	Chack the		
54	displayed in GUI	indicating invalid input	"Submit" button	message	Box	S ₃
	exception but no message is	A message is displayed	respond after clicking	error	Black	_
	and clicking submit causes		simply doesn't	display an		
	selecting empty ContestantID		thrown, and program	input and		
	In EnterScoreScreen,		so exceptions are	Check the		
<i>0</i> 0			Input is not checked		2011	~3
53	GUI	indicating invalid input	"Submit" button	message	Box	S3
	submit causes exception but no message is displayed in	A message is displayed	simply doesn't respond after clicking	display an error	Black	
	EvaluationType and clicking		thrown, and program	input and		
	selecting empty		so exceptions are	Check the		
	In EnterScoreScreen,		Input is not checked			
52	displayed in GUI	indicating invalid input	"Submit" button	message	Box	S ₃
	exception but no message is	A message is displayed	respond after clicking	error	Black	
	and clicking submit causes		simply doesn't	display an		
	selecting empty RoundName		thrown, and program	input and		
	In EnterScoreScreen,		so exceptions are	Check the		
			Input is not checked	Jereen.		
				screen.		

	In					
	JudgeReportOfContestantsA					
	ndScoresScreen, if					
	connection with database			Handle the		
	failed, the program crashes			exception by		
	internally without prompting	When connection fails,	User is not notified of	pop up a	Black	_
59	user with error message	user should be notified	the failure	notification	Box	S1
	In					
	JudgeReportOfRoundsScreen			77 31- 41		
	, if connection with database			Handle the		
	failed, the program crashes internally without prompting	When connection fails,	User is not notified of	exception by	Black	
60	user with error message	user should be notified	the failure	pop up a notification	Box	S1
00	In JudgeEnterScoreScreen, if	user should be nothed	the famule	Hotification	DOX	51
	connection with database			Handle the		
	failed, the program crashes			exception by		
	internally without prompting	When connection fails,	User is not notified of	pop up a	Black	
61	user with error message	user should be notified	the failure	notification	Box	S1
	In					
	JudgeModifyAnEvaluationSc					
	reen, if connection with					
	database failed, the program			Handle the		
	crashes internally without			exception by		
	prompting user with error	When connection fails,	User is not notified of	pop up a	Black	
62	message	user should be notified	the failure	notification	Box	S1
	In					
	JudgeCreateAnEvaluationScr					
	een, if connection with					
	database failed, the program			Handle the		
	crashes internally without	7.71		exception by	D1 1	
	prompting user with error	When connection fails,	User is not notified of	pop up a	Black	a.
63	message	user should be notified	the failure	notification	Box	S1
	In					
	JudgeAssignContestantToRo undScreen, if connection					
	with database failed, the			Handle the		
	program crashes internally			exception by		
	without prompting user with	When connection fails,	User is not notified of	pop up a	Black	
64	error message	user should be notified	the failure	notification	Box	S1
-7	In					
	JudgeModifyARoundScreen,					
	if connection with database			Handle the		
	failed, the program crashes			exception by		
	internally without prompting	When connection fails,	User is not notified of	pop up a	Black	
65	user with error message	user should be notified	the failure	notification	Box	S1
	In	When connection fails,	User is not notified of	Handle the	Black	
66	JudgeCreateARoundScreen,	user should be notified	the failure	exception by	Box	S1

	if connection with database failed, the program crashes internally without prompting			pop up a notification		
	user with error message In					
67	ContestantReportOfRoundsS creen, if connection with database failed, the program crashes internally without prompting user with error message	When connection fails, user should be notified	User is not notified of the failure	Handle the exception by pop up a notification	Black Box	S1
68	In ContestantReportOfScoresSc reen, if connection with database failed, the program crashes internally without prompting user with error message	When connection fails, user should be notified	User is not notified of the failure	Handle the exception by pop up a notification	Black Box	S1
69	In ContestantCalendarOfEvaluat ionsScreen, if connection with database failed, the program crashes internally without prompting user with error message	When connection fails, user should be notified	User is not notified of the failure	Handle the exception by pop up a notification	Black Box	S1
70	In LoginScreen, if connection with database failed, the program crashes internally without prompting user with error message	When connection fails, user should be notified	User is not notified of the failure	Handle the exception by pop up a notification	Black Box	S1
71	In JudgeReportOfRoundsScreen , the table can be edited	The table should not be edited	The table can be edited	Disable editable for table cells	Black Box	S ₃
72	In JudgeReportOfContestantsA ndScroesScreen, the table can be edited	The table should not be edited	The table can be edited	Disable editable for table cells	Black Box	S3
73	In ContestantCalendarOfEvaluat ionsScreen, the table can be edited	The table should not be edited	The table can be edited	Disable editable for table cells	Black Box	S3
74	In ContestantReportOfScoresSc reen, the table can be edited	The table should not be edited	The table can be edited	Disable editable for table cells	Black Box	S3
75	In ContestantReportOfRoundsS creen, the table can be edited	The table should not be edited	The table can be edited	Disable editable for table cells	Black Box	S3

80	reen, percent weight can be o	not be o	0	submitting	Box	S3
	JudgeModifyAnEvaluationSc	Percent weight should	Percent weight can be	check before	Black	
	In			validation		
				Add a		
79	een, percent weight can be o	not be o	0	database	Box	S3
	In JudgeCreateAnEvaluationScr	Percent weight should	Percent weight can be	submitting the input data to	Black	
				validation check before		
78	be more man 100	man 100	man 100	ht Add a	Box	S2
70	current percentweight might be more than 100	might be more than 100	might be more than 100	percentweig	Black	80
	Type combination and	current percentweight	current percentweight	total	pl. 1	
	evaulations for this Round &	combination and	combination and	calculate the		
	percentweight of all pervious	Round & Type	Round & Type	function to		
	so that the sum of	for this	for this	ht and add a		
	to enter any percentweight	pervious evaulations	pervious evaulations	percentweig		
	reen the program allows user	percentweight of all	percentweight of all	pervious		
	In JudgeModifyAnEvaluatoinSc	percentweight so that the sum of	percentweight so that the sum of	statement to calculate all		
	In	the	user to enter the	Add a query		
		prompt user to renter	The program allows	. 11		
		The program should				
77	than 100	than 100	than 100	ht	Box	S2
	might be more	might be more	might be more	percentweig	Black	
	and current percentweight	current percentweight	current percentweight	total		
	Round & Type combination	combination and	combination and	calculate the		
	evaulations for this	Round & Type	Round & Type	function to		
	so that the sum of percentweight of all pervious	pervious evaulations for this	pervious evaulations for this	percentweig ht and add a		
	to enter any percentweight	percentweight of all	percentweight of all	pervious		
	een the program allows user	the sum of	the sum of	calculate all		
	JudgeCreateAnEvaluatoinScr	percentweight so that	percentweight so that	statement to		
	In	the	user to enter the	Add a query		
		prompt user to renter	The program allows			
, ,		The program should				
76	100	to 100	to 100	ht	Box	S2
	round and type is euqal to	combination is euqal	combination is euqal	periouvs	Black	
	percentweight of all evaluations for the same	of percentweight of all evaluations for this	of percentweight of all evaluations for this	calculate all periouvs		
	evaluations when the sum of	combination if the sum	combination if the sum	statement to		
	to continue creating	round & type	certain round & type	Add a query		
	een, the program allows user	evaluation for a certain	evaluation for a			
	JudgeCreateAnEvaluatoinScr	create a new	user to create a new			
	In	not allow user to	The program allows			
		The program should				

				the input		
				data to		
				database		
				Add a		
				validation		
				check before		
	In			submitting		
	JudgeCreateAnEvaluationScr			the input		
	een, percent weight can	Percent weight should	Percent weight can be	data to	Black	
81	accept negative value	not be negative	negative	database	Box	S2
	l decept negative varie	not be negative	nogacivo	Add a	Bon	- J_
				validation		
				check before		
	In			submitting		
	JudgeModifyAnEvaluationSc			the input		
	reen, percent weight can	Percent weight should	Percent weight can be	data to	Black	
82	accept negative value	not be negative	negative	database	Box	S2
	decept negative varie	not be negative	nogativo	Change the	Bon	- J_
	In LoginScreen judges'	Judge table and	Judge table and	records that		
	username and password can	Contestants table	Contestants table can	have the		
	be the same as contestants'	should not have the	have the same	same	White	
83	username and password	same username	usernames	username	Box	S ₃
-5	aserianie and passivera			Add a if	2011	~0
				statement to		
		Should prompt user to	It will allows user to	check the		
	In EnterScoreScreen user can	enter a less than 100	enter a less than o	input	Black	
84	input a number less than o	but more thant o value	value	textfield	Box	S2
				Add a if		
				statement to		
	In EnterScoreScreen user can	Should prompt user to	It will allows user to	check the		
	input a number more than	enter a less than 100	enter a more than 100	input	Black	
85	100	but more thant o value	value	textfield	Box	S2
	In LoginScreen, if both	User must sepecify				
	"Judge" and "Contestant"	"Judge" or "Contestant",		Add a check		
	button are not selected, the	otherwise clicking "Log		to make sure		
	user will by default log in as	in" button should give	User logs in by default	user select a	Black	
86	"Contestant"	no response	as "Contestant"	log in type	Box	S ₃
		-		Sort the		
				array		
				holding		
	In			records		
	JudgeReportOfContestantsA			before		
	ndScoresScreen, records are	Records should be	Records are not sorted	adding them	Black	
87	not sorted by score	sorted by score	by score	to table	Box	S3
	In	All scores should be	Scores of the type	When		
	JudgeReportOfContestantsA	between o and 100	"Current Final Score"	calculating	Black	
88	ndScoresScreen, some score	inclusively	are greater than 100	"Current	Box	S2

	appears to be greater than			Final Score",		
	100			don't forget		
				to divide 100		
				for all the		
				percentages		
				In the		
	In			underlying		
	JudgeReportOfRoundsScreen		Only part of them are	query,		
	, not all rounds created by	All rounds created by	shown, and some	change the		
	the current logged in Judge	current Judge should	shown record should	direction of	Black	
89	are shown	be shown	not appear	join	Box	S2
			11	In the		
				underlying		
				query,		
				eliminate		
				unwanted		
	In JudgeEnterScoreScreen,			records by		
	rounds not created by the	Only rounds created		adding		
	current logged in Judge are	by current Judge		WHERE	Black	
90	shown	should be shown	All rounds are shown	statement	Box	S2
90	SHOWN	SHOULD BE SHOWN	Thir rounds are snown	In the	Don	- Z
				underlying		
				query,		
				eliminate		
	In			unwanted		
	JudgeModifyAnEvaluationSc			records by		
	reen, rounds not created by	Only rounds created		adding		
	the current logged in Judge	by current Judge		WHERE	Black	
91	are shown	should be shown	All rounds are shown	statement	Box	S2
91	are shown	Should be shown	7 III Tourids are snown	In the	DOX	52
				underlying		
				query, eliminate		
	In			unwanted		
				records by		
	JudgeCreateAnEvaluationScr een, rounds not created by	Only rounds areated		adding		
	the current logged in Judge	Only rounds created by current Judge		WHERE	Black	
00	are shown	should be shown	All rounds are shown			S2
92	are snown	Should be shown	All rounds are shown	statement	Box	52
				In the		
				underlying		
				query,		
				eliminate		
	In			unwanted		
	JudgeAssignContestantToRo	0.1 1 1		records by		
	undScreen, rounds not	Only rounds created		adding	D1 1	
	created by the current logged	by current Judge	A11 1 1	WHERE	Black	
93	in Judge are shown	should be shown	All rounds are shown	statement	Box	S2

		1	1	т п	1	1
				In the		
				underlying		
				query,		
				eliminate		
	In			unwanted		
	JudgeModifyARoundScreen,			records by		
	rounds not created by the	Only rounds created		adding		
	current logged in Judge are	by current Judge		WHERE	Black	
94	shown	should be shown	All rounds are shown	statement	Box	S2
				In the		
				underlying		
				query,		
				eliminate		
	In			unwanted		
	JudgeReportOfContestantsA			records by		
	ndScoresScreen, rounds not	Only rounds created		adding		
	created by the current logged	by current Judge		WHERE	Black	
95	in Judge are shown	should be shown	All rounds are shown	statement	Box	S2
				In the		
				underlying		
				query,		
				eliminate		
				unwanted		
	In			records by		
	JudgeModifyAnEvaluationSc			adding		
	reen, Evaluation Type shows	No repeating records	Repeating records	WHERE	Black	
96	repeating records	should appear	appear	statement	Box	S2
	r o	T T T T T T T T T T T T T T T T T T T	TF	Add a		
				validation		
				check before		
	In	When an evaluation		submitting		
	JudgeModifyAnEvaluationSc	passes the deadline, it		the input		
	reen, evaluations that are	shouldn't be able to be	Evaluations can be	data to	Black	
97	pass due can be modified	modified	modified anyways	database	Box	S2
7/	pass due cui se modified	mouniou	Insumed any ways	In the	DOA	52
				underlying		
				query,		
				eliminate		
	In			unwanted		
	JudgeModifyAnEvaluationSc			records by		
		Only coloated				
	reen, changing percent	Only selected evaluation should be	All avaluations are	adding WHERE	Pleal	
00	weight modifies the percent	evaluation should be modified	All evaluations are modified		Black	g _c
98	weight of all evaluations	mounied	шошней	statement	Box	S2
	In	A111		Watch the		
	ContestantReportOfScoresSc	All evaluations of	01	counter in	D1. 1	
	reen, not all evaluations of	current contestant	Some evaluations are	the loop that	Black	g :
99	the logged in contestant are	should be shown	not shown	displays	Box	S2

	shown			query results		
				In the		
				underlying		
				query,		
				eliminate		
	In			unwanted		
	ContestantReportOfRoundsS	There should only be		records by		
	creen, there appear records	records of rounds in		joining tables		
	of rounds that the logged in	which the contestant is	Unenrolled rounds	of Round and	Black	
100	contestant is not enrolled in	enrolled	show up in table	Enrollment	Box	S2
				When		
				calculating		
				"Current		
				Final Score",		
	In			don't forget		
	ContestantReportOfScoresSc	All scores should be	Scores of the type	to divide 100		
	reen, some score appears to	between o and 100	"Current Final Score"	for all the	Black	
101	be greater than 100	inclusively	are greater than 100	percentages	Box	S2
				In the		
				underlying		
				query,		
				eliminate the		
				repetition by		
				add		
	In			restrictions		
	ContestantCalendarOfEvaluat			when joining		
	ionsScreen, there are	Each combination	Each combination	tables of		
	repeated combination of	should only appear	appears more than	Round and	Black	
102	rounds and evaluation type	once	once	Enrollment	Box	S2