

School of Thought

Defect Log

DEFECTS PRESENT IN SEEDED VERSION

Defect #	Defect	Pre-seed Output	Post-seed Output	Suggested Correction	Testing Style	Severity
1	Username can be created that start with a number	A dialog will appear saying that the user was not successfully created	A dialog will appear saying that the user was successfully created	Check that the string a user types in for their username does not start with a number. If it has a number, show a failure dialog	Black Box	3
2	Username can be created that are less than 8 characters	A dialog will appear saying that the user was not successfully created	A dialog will appear saying that the user was successfully created	Check that the string a user types in for their username is at least 8 characters. If it has less than 8 characters, show a failure dialog	Black Box	3
3	Username can be created that contain a space	A dialog will appear saying that the user was not successfully created	A dialog will appear saying that the user was successfully created	Check that the string a user types in for their username does not contain a space. If it has a space, show a failure dialog	Black Box	3
4	Password can be submitted for a new user that are less than 8 characters	A dialog will appear saying that the user was not successfully created	A dialog will appear saying that the user was successfully created	Check that the string a user types in for a password is not less than 8 characters	Black Box	3

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5	Posts can be submitted that are greater than 1000 characters long	A dialog will appear saying that the post was not successfully created	The post will appear in the debate thread	Check that the string the user submits for the post's message is 1000 characters or less	Black Box	3
6	Existing posts are duplicated when submitting a new post	Upon submission, the new post will appear in the debate thread and the others will remain	Upon submission, the new post appears in the thread but all other posts are duplicated	Fix off-by-one defect when populating comments	Black Box	2
7	Username can be created that already exist	Upon submission, there will be a failure dialog	Upon submission, there will be a success dialog	Utilize a conditional statement with <code>doesUserExist</code> method to ensure a username does not exist before attempting to insert it	Black Box	2
8	Serialized User objects are sometimes not equal when loading from cache	The user and debate that appear in the main view are both correct and up-to-date	Upon loading the application and logging in, a user and current debate might appear that are not correct or up-to-date	Override <code>equals(...)</code> in the User class	White Box	2
9	Post constructor initializes object with hard-coded values for <code>isHidden</code> and <code>numReports</code>	Some posts may not be able to be hidden by moderators or flagged by users	Post flags will increment and possibly be hidden with moderator action	Set values in constructor to those being passed in	Black Box	2

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10	Upon flagging a post, the number of reports counted may go up by two instead of one	The post will only be hidden when flagged three times or when a moderator explicitly hides it	The post may be hidden automatically when not intended	In the report method in Post.java, numReports should only be incremented by one and not by two	Black Box	2
11	Uploaded posts are always assumed to be visible (not hidden)	Posts will only be visible if isHidden is false	Posts can sometimes be made visible when isHidden was originally true but then it is uploaded to the db	When uploadNewPostToDatabase is called in PostQuery, isHidden should be assigned to the integer value of the given post's isHidden	White Box	2
12	uploadStatus will sometimes return success when it was really a failure	Data is always properly uploaded to the database	Some data will not be properly uploaded to the database (lost)	In uploadStatus, ensure that successes and failures are properly identified by their respective DFDataUploaderReturnStatus	White Box	2
13	Upon attempting to upload a post to a debate, the debate ID and post object are not set to 0 and null, respectively	The post will be uploaded to debate with the appropriate ID	The post may not be properly uploaded or might upload the last post submitted instead	Set givenPost to null and givenDebateID to 0 at the end of uploadNewPostToDatabase	White Box	2

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14	UserQuery will post 2 notifications if username and password is incorrect	There will only be one notification posted for incorrect user or password	UserQuery will post 2 notifications if username and password is incorrect	Move all the functionality into try clause. That way if an exception is thrown it is handled and does not proceed to subsequent code in try clause	White Box	2
15	Encrypted title and text for debates is displayed	All data in debate is decrypted and appears in plain text according to app	Debate title and text will appear as an encrypted string and not mean anything	Decrypt both the title and text upon retrieval from database	Black Box	2
16	Debates can be created with empty Title and Description fields	A dialogue will appear to ask the user to fill out the fields before resubmitting	Debate will be created unless a debate with the title "" already exists. In which case, it would show a dialogue that there is a conflict with the title	Check Title.getText().equals("") and Description.getText().equals("") and handle accordingly	White Box	3
17	Moderators can change the privileges of other users and themselves	When a moderator searches for a username in the administrator tab, the buttons to change privileges are disabled	When a moderator searches for a username in the administrator tab, the buttons to change privileges are enabled	Create a method which disables buttons if the user logged in is a moderator	White Box	3

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18	Searching for a user on the administration page doesn't show the user until another component on the page is clicked	Search button is pressed and the result is drawn in the frame immediately	Search button is pressed and the result is not drawn until another component on the page is clicked	In the ActionPerformed method for searchUser, call frame.repaint(); after the userOptions is added	Black Box	3
19	A banned user can still make posts	A label stating that the user does not have the privilege to view the debate is shown at the bottom of the frame	The comment module is displayed	Insert different checks for the user's ban status	White Box	3
20	Some instances will not properly load database encryption	Every time, the web server can connect with proper encryption	Sometimes this does not happen	Make sure that web server encryption is set properly or notify the application the server cannot be reached	Black Box	2
21	When dynamically generating SQLStatement, DFSQL can sometimes forget to put a space inbetween "INSERT" & "INTO"	A space is always inserted	Sometimes a space is not inserted	Enforce proper formatting every time	White Box	2
22	Every so often, the database will return no data, even though data exists	Data, if it exists, is properly returned	Sometimes data is returned as null	Enforce correct method run every time it's called	Black Box	2

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23	Some runtime instances do not insert WHERE statements into SQL Statements	ALL SQL Statements in every instance will be properly formatted	Some instances refuse to properly insert WHERE Statement where needed	Enforce proper formatting everytime	White Box	2
24	Sometimes not all rows are inserted into selectStatement	Data is properly recalled	Sometimes not all requested data will be recalled	Enforce full copy of rows array to selectStatements	White Box	2
25	encryptionKey is mistyped by a character	Data is properly decrypted	Data appears jumbled to the user	Make sure encryptionKey is typed properly	White Box	2