

VORMUND

Defect Seeding Log

Team 6

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Login Window:

#	Defect Description	Suggested Fix	B/W	Severity
1	Login implementation does not validate login info. A user can login to their account without providing the system their proper, case-sensitive password.	The checkLogin() function of DBHelpers.java should be modified to include functionality to properly check the users password against the one stored in the database	W	2
2	No minimum/maximum length is enforced for the username field in the user interface.	Add logic into the LoginWindow.java to validate these fields, and before user is prompted to create a new account with the entered username, warn them that the provided username does not meet standards	B	3
3	No minimum/maximum length is enforced for the password field in the user interface.	Add logic into the LoginWindow.java to validate these fields, and before user is prompted to create a new account with the entered username, warn them that the provided username does not meet standards	B	3
4	Once the user logs in to the system, the opening login window remains open.	Ensure that dispose() is called on the login window after a successful user login to the system	B	3
5	The user password is not encrypted before being stored in the database. This leaves the password in a plain-text format, leaving it vulnerable.	Make a call to encryptHashString() in Encryption.java before inserting the password string into the database	W	2

User Information Window (Combo Box One):

6	When "Banks" is selected from the Combo Box One	Ensure that a call to	B	2
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	drop-down menu, Combo Box Two (the drop-down menu below Combo Box One) does not show a list of the bank accounts belonging to the user.	getBanks() in DBHelpers.java is being performed so that an current representation of the users banks is being pulled. Also, check that these items are properly being iterated through to build out the items in Combo Box 2		
7	When the user selects "Website" from the Combo Box One drop-down menu, a string of output is included into the main textfield of the user information window.	Remove the code that currently hardcodes a selection of "Website" from telling the user that a MySQL error has occurred.	B	3
8	When "Notes" is selected from the Combo Box One drop-down menu, the drop-down menu of Combo Box Two (just below Combo Box One) shows a list of the bank accounts associated with the user's account, instead of listing their saved notes.	Logic for combo box 2 population needs to be changed to properly identify which of the combo box one items have been selected	B	2
9	When "SSN" is selected from the Combo Box One drop-down menu, nothing in the menu changes, and information associated with the user's SSN does not come up.	Need to ensure that getSocials from DBHelpers.java is being called such that a current representation of the users stores SSNs is returned and can be used to populate combo box 2	B	2
10	Regardless of the option selected from the Combo Box One drop-down menu, a message box is displayed saying that the user does not have any records in the database for each category of information.	Before displaying this message to the user upon selection of an item in combo box one, there should be logic put in that will check for existing data for the given data type such that the message is only displayed to the user when it is relevant to do so.	B	3

User Information Window (Combo Box Two):

11	When the user selects a data category from Combo Box One, the data records included in each category are listed within Combo Box Two. If the user selects one of the populated Combo Box Two records, the main text field of the user information window is not filled with the pertinent	When a category is selected, make sure that category is reflected in the WHERE category = "selected" clause in the SQL query. Then call	B	2
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	data.	mainTextField.setText(data)		
12	When the user selects a data record from Combo Box Two, it does not necessary display the correct text in the main text field of the user information window. It may return information from a different record associated with a given user.	Use the resultset selected from that exact query, then use that set to call mainTextField.setText() on	B	2
13	If the user picks "Banks" in Combo Box One and then selects the second bank account associated with their account in Combo Box Two (assuming they have input at least two banks accounts into Vormund), the information pertaining to that account will not be displayed in the main text field of the user information window.	Remove "2nd bank" logic in bank account selector in UserWindow	B	2
14	If the user picks "Banks" in Combo Box One drop-down menu and then selects the third bank account associated with their account in Combo Box Two (assuming the user has input at least three banks accounts into Vormund), default bank information is displayed in the main textfield of the user information window instead of data specific to the third bank account entry.	Remove "3rd bank" logic in bank account selector in UserWindow	B	2
15	When the user selects "Website" from the Combo Box One drop-down menu and then selects the third website from Combo Box Two's drop-down menu (assuming the user has input at least three websites into Vormund), the user is logged out of the system.	Remove "2nd website" logic in bank account selector in UserWindow	B	2
16	When the user selects "Notes" from the Combo Box One drop-down menu and then selects the third note from Combo Box Two's drop-down menu (assuming the user has submitted at least three notes to Vormund), the window used to update website information is opened instead of the note filling the main textfield in the user information window.	Remove "3rd note" logic in bank account selector in UserWindow	B	2
17	When the user selects "SSN" from the Combo Box One drop-down menu and then selects the third SSN from Combo Box Two's drop-down menu (assuming the user has submitted at least three SSN's to Vormund), the window used to update bank information is opened instead of the SSN's data filling the main textfield in the user information window.	Remove "3rd SSN" logic in bank account selector in UserWindow	B	2
18	Upon first login to the system, if the user selects the "SSN" option from Combo Box One, then none of their entries are displayed. However, upon a second login to the system,	Ensure that upon first successful login attempt (first session set), that SSNs are	B	3

	the users entries for “SSN” are displayed properly in Combo Box Two.	displayed too as part of a uniform security policy		
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User Information Window (Remove Button):

19	When the user logs in and the user information window is displayed, clicking the remove button before any data is displayed in the main textfield will not result in a textbox opening to state that a user cannot remove any records when the database is devoid of user information.	Get rid of faulty remove logic, ensure checks against empty/non-set text field	B	3
20	When the user selects “Banks” from the Combo Box One drop-down menu and the second bank record in the Combo Box Two drop-down menu (assuming there are at least two bank accounts associated with the user’s account) and then clicks the remove button, the bank information update window opens instead of the bank record being deleted.	Ensure that delete() is called instead of updateBLOB()	B	2
21	When the user selects “Website” from the Combo Box One drop-down menu and then selects one of the website data records listed in Combo Box Two drop-down menu and clicks the remove button, every website record associated with the user’s profile will be deleted from the database.	Ensure that a WHERE data_id=‘selected_id’ clause is added to the remove SQL query	B	2
22	When the user selects “Notes” from the Combo Box One drop-down menu and then selects one of the note records listed in Combo Box Two drop-down menu and clicks the remove button, it will open the note edit window instead of removing the note from the database.	Make sure remove(‘note_id’) is called instead of opening an update window/updateBLOB	B	2
23	When the user selects “SSN” from the Combo Box One drop-down menu and then selects one of the note records listed in Combo Box Two drop-down menu and clicks the remove button, the update bank window will open. The SSN is never removed from the database.	Make sure remove(‘note_id’) is called instead of opening an update window/updateBLOB	B	2

User Information Window (Update Button):

24	When the user logs in and the user information window is displayed, clicking the update button before any data is displayed in the main textfield will not result in a textbox opening to state that a user cannot update any records when the database is devoid of user information.	Functionality should be put into place such that when the user selects the “Update” button before data has been populated, it will warn them	B	3
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		to input data/select a data item to update first		
25	When the user selects “Banks” from the Combo Box One drop-down menu and then clicks the update button, Vormund will exit instead of displaying a prompt saying that the user did not select a bank account record to update.	The hard coded call to close the program in this scenario should be removed	B	2
26	When the user selects “Website” from the Combo Box One drop-down menu and then clicks the update button, the update note window opens instead of the program displaying a prompt saying that the user did not select a website record to update.	The functionality of the update button should depend upon what item in Combo Box 1 is selected, and logic for that should be implemented	B	3
27	When the user selects “Notes” from the Combo Box One drop-down menu and then clicks the update button, Vormund will log the user out of their profile instead of displaying a prompt saying that the user did not select a note record to update.	The hard coded call to log the user out of the program in this scenario should be removed	B	2
28	When the user selects “SSN” from the Combo Box One drop-down menu and then clicks the update button, the update website information window opens instead of the program displaying a prompt saying that the user did not select a SSN record to update.	The functionality of the update button should depend upon what item in Combo Box 1 is selected, and logic for that should be implemented	B	3
29	When the user logs in and then clicks the update button without selecting a Combo Box One category, Vormund will log the user out of the system.	The hard coded call to log the user out of the program in this scenario should be removed	B	2

User Information Window (Add Button):

30	When the user selects “Banks” from the Combo Box One drop-down menu and then clicks the add button, the program will do nothing instead of opening the window responsible for adding new bank account information.	When “Banks” is selected in combo box one and the user clicks add, a call to the NewBank window should be made	B	2
31	When the user selects “Website” from the Combo Box One drop-down menu and then clicks the add button, Vormund will log the user out of the system.	The hard coded call to log the user out of the program in this scenario should be removed	B	2
32	When the user opens the window to add a new website’s	Clicking “logout” should	B	2

	information to the database and the user logs out of the system, the user can still complete the addition of the new website. (The new website window was not closed during logout.)	ensure that all open windows call "dispose()" such that all user related windows that had been open are closed		
33	When the user selects "Notes" in Combo Box One drop-down menu and then clicks the add button, both the new SSN and new note windows open, instead of just the new note window.	The unnecessary call to open the SSN window should be removed	B	3
34	When the user selects "SSN" from the Combo Box One drop-down menu and then clicks the add button, both the new SSN and new website windows open, instead of just the new SSN window.	When the user selects "SSN" from the Combo Box One drop-down menu and then clicks the add button, the new SSN window is open.	B	3
35	When the user selects "SSN" from the Combo Box One drop-down menu and the add button is clicked, the main window disappears.	When the user selects "SSN" from the Combo Box One drop-down menu and the add button is clicked, the main window no longer disappears.	B	2
36	If the user logs in to the system and then immediately clicks the add button before selecting any records from the combo box drop-down menus, Vormund will exit. Instead, a message box should ask the user to select a category before attempting to add a record to the system.	If the user logs in to the system and then immediately clicks the add button before selecting any records from the combo box drop-down menus, a message box should ask the user to select a category before attempting to add a record to the system.	B	3
37	If the user selects "Banks" from the Combo Box One drop-down menu and the user clicks the add button to include a new bank account record in the system, the new bank window opens to allow the user to input data. When the user does not include a bank account number, a message box does not appear to tell the user that they must enter a bank account number into the system.	When the user does not include a bank account number, a message box does appear to tell the user that they must enter a bank account number into the system.	B	3

User Information Window (Logout Button):

38	The logout button does technically log the user out of the	The log out button log the	B	2
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	system, however the user information window is kept open.	user out of the system, and user information window is closed.		
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User Information Window (Display Window):

39	After having viewed a specific data item and switching Combo Box 1 to a new option, the previously viewed data remains populated within the display window.	After having viewed a specific data item and switching Combo Box 1 to a new option, the previously viewed data will no longer be populated within the display window.	B	3
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Database:

40	Constraints to prevent adding duplicate data to the database do not exist	Constraints to prevent adding duplicate data to the database do exist	W	3
41	Insert functions occasionally run more than once, resulting in additional database entries being made	Insert functions no longer run more than once, there will be no more additional database entries being made.	W / B	3

SSN Add/Update Window:

42	Blank entries are currently allowed to be added, even though the user is warned to not do so/fix the entry to contain data	Blank entries are not allowed, a warning will be given if the cases occurs.	B	3
43	The values of name and the SSN of the user are swapped in the database	The value of the name and SSN are no longer swapped.	W	2
44	When done is clicked from the add/update SSN window, the window does not dispose/close properly	SSN Window is disposed correctly.	B	3
45	During the testing phase we had test data for each data type inserted when a new user was created and that data is still being inserted	The data will not be inserted anymore.	B / W	3
46	The SSN can be any length and is not validated to be the requisite 9 numbers in length	The SSN now requisite 9 numbers in length	B	3

47	Alpha characters are allowed to be entered into the SSN field	Check was added for alpha characters to not be entered into the SSN field.	B	3
48	When the name that was entered for the person who owns the SSN of the current entry is 5 characters in length, the system tells the user that this is incorrect	When the name that was entered for the person who owns the SSN of the current entry is 5 characters in length, the system no longer tells the user that this is incorrect	B	3
49	Window will close and the add/update will fail if the SSN begins with the number 1	Window will no longer close and the add/update will fail if the SSN begins with the number 1	B	3
50	If the SSN being input ends in the letter "a", then system will present a popup asking the user to change it	If the SSN being input ends in the letter a, no popup will appear asking user to change it.	B	3

Notes Add/Update Window:

51	The program is currently allowing blank notes to be added to the system	The program doesn't allow blank notes to be added to the system	B	2
52	When the data is inserted into the database, the name of the note and the text of the note itself are switched. Due to the, upon subsequent viewings of the note, that data will appear to be backwards	Name of the note and text of the note itself are no longer switch. Data will no longer appear backwards	B	2
53	When the user clicks "done", the insert is made into the database, however the window never closes and returns the user to the main user account view	When the user clicks "done", window is disposed and returns the user to the main user account view	B	3
54	Test data that had been set up to be inserted upon the creation of a new user account is still being inserted into the database.	It no longer longer does this unless a new note is created.	W	3
55	The size of the note is not being limited and could potentially overflow the maximum string that the database is capable of handling.	The size of the note is being limited to avoid overflow.	B	3
56	If the length of the note entered is exactly 10, then the	The check for the note length	W	2

	program will exit when the user clicks done	10, no longer exist to avoid this from happening.		
57	When the title entered by the user is equivalent to "Notes", then the user login window will be opened, but the user is not actually logged out of the system	The user is not correctly logged out and there is no check on the title when its named as "Notes".	W	2
58	If the title of the note being entered starts with the letter "H", then it will close the current window	Check for the "H" no longer exist to avoid this from happening further.	W	2

Website Add/Update Window:

59	Everything is added in database but email.	Everything is now added into the database correctly, including the email.	W	2
60	Blank entries are currently allowed in everything but website name.	Blank entries are not allowed in any case.	W	2
61	The values of website and the username are swapped in the database.	The values of website and username are no longer swapped in the database.	W	2
62	Username has to have at least one character, else it will have a popup message complaining.	Username no longer complains unless the length of the username is less than 1	B	3
63	Website window will be close when "done" is clicked.	Website window doesn't close when "done" is clicked.	B	3
64	During the testing phase we had test data for each data type inserted when a new user was created and that data is still being inserted	New data will not be inserted unless explicitly done by the "add" button. It will happen only once.	B	3
65	There is no length limit for the inputs in the website data	There is a length limit for the inputs in the website data now.	B	3
66	If the first character of the URL is 'w', it then disposes of the window	The check for this no longer exist to avoid the dispose.	W	2
67	If username length is equal to 5, username gets replaced with noob	Username will not be replaced anymore, no matter	W	2

		the length.		
68	If the final character of the email is 'm', then it exits the program	Check for this no longer exists to avoid exiting the program because of that.	W	2

Bank Window:

69	The routing number remains the same as the default number provided.	Ensure that the text field value for routing number is being recorded in the SQL query.	W	2
70	When adding a new entry, the following fields are allowed to be blank: bank name, routing number, and account type.	Add form validation to those fields using static Validator class.	B	3
71	Switches address and type values when new bank record is added to database.	Make sure that the those text box values are ordered correctly in the query.	W	2
72	The window containing the add bank form does not closed when "done" is clicked.	Make sure dispose() is called after clicking done and calling the right query method	B	3
73	There are four bank records already initialized on a fresh build.	Remove debug initialization code in main()	B	3
74	There is no size limit on any field in an update/new bank window except for Account type and Routing number.	Add size limit be using static methods in Validator class	B	2
75	Routing number will pop up a message if it's less than 6 characters.	Remove message box call and save it until "Done" is clicked	W	2
76	Account type will pop up a message if it's less than 5 characters.	Remove message box call and save it until "Done" is clicked	W	2
77	Routing numbers accept characters from the alphabet (A-Z).	Create regex/use validator class to ensure only numerical characters are entered	W	3
78	If a bank name is 2 characters long, then the window will close immediately.	Remove debug logic from code	W	2

79	If a bank name is Chase, the program mysteriously changes it to PEFCU.	Remove bias towards PEFCU bank	W	3
80	Conversely, if a bank name is PEFCU, the program changes it to Chase.	Remove counter-bias towards Chase; ensure banks are treated fairly in newBank code	W	3
81	The program refuses PNC as a bank name.	Ensure PNC is not prohibited as a bank name	W	3
82	If an account number starts with 6, the add/update window closes.	Remove faulty regex/debug logic from newBank/updateBank	W	2
83	If an account number's second digit is 1, then a pop up message displays saying the number is wrong.	Remove faulty regex/debug logic from newBank/updateBank	W	3
84	If the routing number ends with 2, the program exits.	Remove faulty regex/debug logic from newBank/updateBank	W	2
85	If a routing number starts with an A, a login window automatically opens.	Remove faulty regex/debug logic from newBank/updateBank	W	2

From the Defect Log:

86	Enter buttons do not work on record windows to "click" or press done.	Enter buttons were corrected and work properly now.	B	3
87	Upon successful creation of a new account in the system, the user is then prompted to log in again.	Instead of returning to this screen, they should be logged into the program.	B	3
88	When bank and SSN is closed by clicking on the default window close button, the entire program exits.	SSN and Bank are now closing only the window.	B	2
89	When website is closed by clicking on the default window close button, it does nothing.	When website is closed by clicking on the default window close button, it closes the window.	B	3
90	When notes is closed by clicking on the default window close button, it hides the window.	When notes is closed by clicking on the default window close button, it	B	3

		closes the window.		
91	UserInfo (main) window will redundantly keep opening every time the login button is clicked, even if the username/password is wrong.	UserInfo Window will no longer keep opening every time the login button is clicked, even if the username/password is wrong.	B	3

Miscellaneous:

92	The existing notes for a given user only appear once a new note has been added during each session	The existing notes for a given user should appear all the time.	W	3
93	Titles for sub windows are not working (i.e. for the add/update windows for SSN, Notes, et cetera)	Titles for sub windows will always work.	B	3
94	When the wrong user password is entered, the user account window will still be opened, however the user is not truly logged into the system and as such none of the entries for SSN, Websites, etc, that are associated with that user will be displayed.	The username and password will be checked so only the user with the password affiliated to it can log in and access its information.	W	3
95	An existing bug is that when the user selects "SSN" from Combo Box 1, the users banks are displayed in Combo Box 2. Additionally, when one selects the "banks" that are now listed in Combo Box 2, the info display box will properly display the notes that should have been related to the given selected item in the Combo Box.	When "SSN" from Combo Box 1 is selected, the user ssn will be displayed in Combo Box 2. It will also not populate anything extra in other combo boxes when combo box 2 is selected.	B	3
96	The program refuses any bank name that starts with "A".	Remove regex/condition logic (refusing "A") that validates bank name	W	3
97	The program shuts down when the url starts with "J."	Remove regex/condition logic (refusing "J") that validates URL name	W	2
98	The program will complain with a pop up message if the title of the Notes includes the text "Hello"	Remove validation logic intended to prevent brainless notes like "Hello" in newNote()	W	2
99	The program will close the window if the Routing number is	Remove validation logic	W	2

	" 123"	intended to create brainless/sample bank numbers like "123"		
100	The program will shut down if the name in SSN is "Ed"	Remove excluding "example" names from validation logic in new SSN	W	2
101	Click "Done" on the security questions window for adding a new website record does not record anything and does no verification	Add static Validation methods to Websites2 window; ensure that insertBLOB is being called correctly after clicking "Done"	W	3