

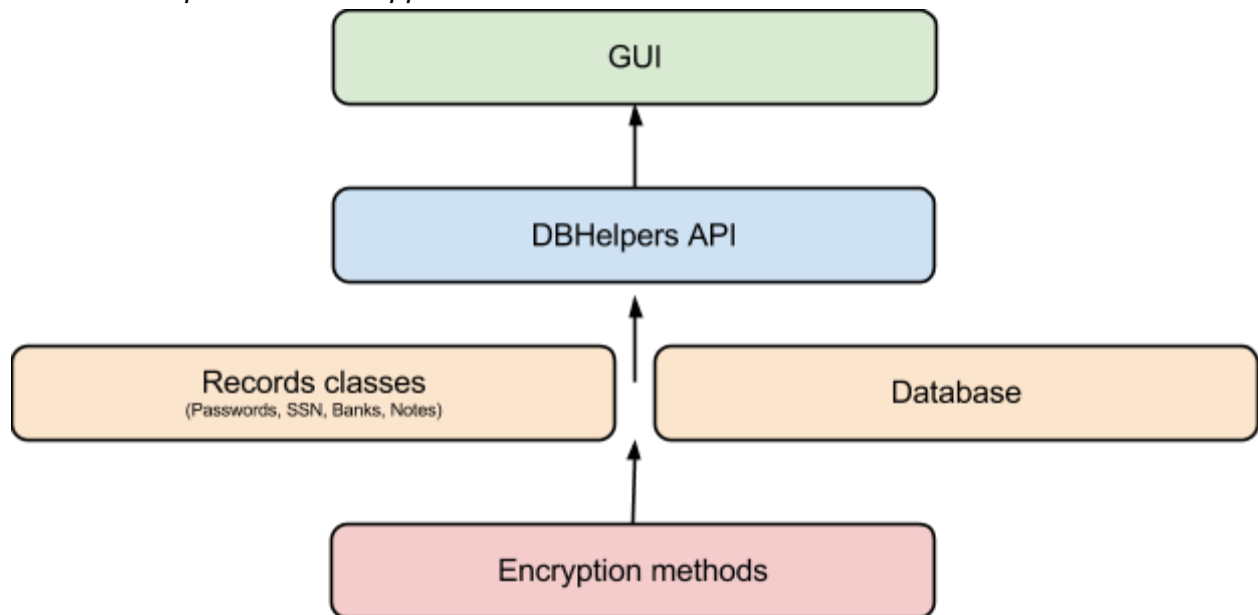
VORMUND

Incremental and Regression Testing

Team 6

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The bottom-up incremental approach



Product: Encryption

Date: 9/18/2013

Defect #	Description	Severity	How Corrected
1	Calls to encryptHash to store the users key in the user_data table result in an error if the password provided by the user is not a multiple of 16.	2	Modified caller of encryptHash to truncate to 16 and pad to 16 depending on password length

Product: Database

Date: 9/18/2013

Defect #	Description	Severity	How Corrected
1	Written query functions closed statement objects which also closed result sets returned by the functions, preventing any use of the returned result sets	2	Removed statement closing code in written query functions

Product: API

Date: 9/18/2013

Defect #	Description	Severity	How Corrected
1	If delete function is called with a null ID it deletes every entry in the database	3	Added conditional that checked to make sure ID is not NULL.
2	In delete function ID was capitalized signifying a java class.	3	Made it lower case.
3	In updateSocial it could be called with null parameters which would effectively deleted the entry data	3	Added conditional to ensure that all parameters have values
4	In updateSocial conditional statement used 'or' logic instead of 'and' logic which could have resulted in null values.	3	Switched the code. Easy fix.
5	The logic statement was incorrect in delete as well.	3	Switched the s to &&s

6	No statement checking for null input in updateWeb which could cause problems.	3	Added statement to check for null input
7	In updateWeb there was no statement checking for null input which would have the undesired effect of blank areas.	3	Added a statement checking for input.
8	In updateBank there was also not a statement checking for null input which could have deleted data.	3	Added the conditional that checks for null data.
9	updateUser has no conditional checking for null input. This could delete data.	3	I added the necessary conditional
10	update functions did not return the result of the updateBlob function (-1 if the database transaction failed) and the GUI could therefore not notify the user of a failed database operation	3	Changed update functions from return type void to int so that the result of updateBlob could be returned and handled by the GUI
11	Use of <i>resultSet.first()</i> to check to see if the result set contains any rows results in an error when being performed on a TYPE_FORWARD_ONLY resultSet	1	use of <i>resultSet.next()</i> provided the same functionality and was compatible with the TYPE_FORWARD_ONLY result sets returned by SQLite
12	Calls to getBank would return a database error due to an oversight in the formatting of	1	changed query to encryped_data to

	the query passed to the “query” function of Database.java		encrypted_data
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Product: GUI

Date: 9/18/2013

Defect #	Description	Severity	How Corrected
1	SubCombo box is not showing any information.	1	ActionListener created for SubCombox to show information when item was selected.
2	UserInfo Window would keep opening every time Login button was clicked even when the username/password was wrong.	1	Deleted the extra new UserInfo Window that was causing the issue.
3	When UserInfo Window was opened, no information was showing.	1	Added Categories for both combo boxes, to make sure information was shown when items were selected.
4	Updated button should be showing the correct windows depending on what was selected in the main combo-box	2	Updated button was only showing the newbank module, switched it so it will show the correct modules with the

			correct selected item in main combo-box
5	When a new user is created, the user does not automatically log in to the system.	3	The new user is automatically logged into the system after confirming new information
6	MainCombo box was selected, should show the correct information.	1	ActionListener got deleted by accident, added ActionListener to it, information is now showing correctly.
7	Click 'next' in Website first window should close the website window and open the second website window.	3	Added a dispose() to the actionlistener when next was clicked.
8	Went to add a new bank. Included all information except for address. Prompt came up saying that I needed to enter a bank address, and the program continued to dispose of the bank info frame, bringing back the screen showing all password data.	2	After changing the add bank dialog to open a new window in addition to existing window, the refresh calls were not being called properly. Made refresh call upon closing add bank window
9	If the user selects an option from the drop-down menu in the data storage screen and then manually chooses the	3	Added extra else if statement to drop-down update

	“Category” option again from the drop-down menu, the second drop-down menu does not return to “Category.”		logic detecting that first combo box had “Category” selected
10	Attempted to add a note that had a title but no content in the body textbox. The error message said that I could not submit a note that did not have a title. Instead, it should have said that an empty note cannot be added to the system.	3	Text field names (title and body) were switched around. Corrected.
11	Attempted to add a note that had no title and no content in the body textbox. Note creation was supposed to terminate, but an empty note was added to the database anyway.	2	Stopped the dispose window call from being made, so that an empty note is not added to the database. Instead, the note remains open, allowing the user to add content.
12	When a note is updated so that the title is removed, the error message says that a note must be entered in the body textbox.	3	Swapped message dialogs relating to text and title being incomplete
13	User can click update when the Website storage functionality is selected. It brings up the new website data window. Instead, the program should remain on the main data storage window because there are no websites in the system to update. (Same with SSN functionality.)	3	Added constructor to accept existing data_id, detects that and populates website gui window accordingly
14	Added in information for website, including	2	Made multiple

	all security questions. No warning pop-ups were included, and the website was not successfully added to the database.		edits to Website GUI class, added proper refresher methods to update main window components accordingly
15	When adding a SSN to the database, the GUI accepts SSN that are greater than 9 digits long and less than 9 digits long.	3	Added validation statement to the SSN-handling code. The program will now only accept SSN that include 9-digits.
16	If a user enters information about a bank, views that information in Vormund's main window, and then selects a different category, the bank data is still in the text box. The text box needs to be wiped with each category switch.	3	Cleared the text area data when the category combo box changes.
17	When bank, ssn, note, and website windows are closed by clicking on the default window close button, the entire program exits	3	Set the on close operation methods to only close the window and not the entire application
18	When bank, ssn, note, or website categories open a new window, the primary interface window exits, preventing users to cancel new or updating operations and returning to the main interface	3	Never close the main interface window until the entire application needs to be closed.
19	Upon successful creation of a new account	3	Added code to

	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		automatically log the user in after their new account is created.
20	Enter buttons don't work on any popup windows for functions such as add, update, et cetera	3	Changed the mouseEvent listeners to actionEvent listeners