

VORMUND

Defect Log

Team 6

Seth Cook
Margarita Lee Li
Samuel Marshall
Adam Rice
Mitchell Stendal
John Vall

ection Defect Log

ct: GUI

9/12/2013

r: Margarita Lee Li

ator: Adam Rice

itors: Seth Cook, Samuel Marshall

ary: Mitchell Stendal

Defect #	Description	Severity	How Corrected
	Website module does not contain secure questions and answer component.	1	Website2 module was created to add secure questions.
	All the modules with textfield are not checking for blank entries.	1	Added a check for when users leave a blank entry for all modules.
	Clicking on the secondary combo-box item in UserAccount module should show the information of selected item.	3	Deleted the show button and created an event function for showing the information of the selected item in the secondary combo box. Show button changed to update button.
	LoginWindow should be closed when 'Login' button opens up.	3	LoginWindow is now being disposed after new Window is open.
	There should always be only one window open at the time.	3	All modules now are disposed when the process is done.
	LoginWindow is not set as MainClass in executable	1	Point the MainClass to LoginWindow class.

ct: Encryption

9/12/2013

r: Adam Rice

ator: Samuel Marshall

ctors: John Vall, Margarita Lee Li

ary: Seth Cook

t #	Description	Severity	How Corrected
	The encryptBlob() method within the Encryption class has two arguments, the user's password key and the data array to be encrypted. The variables were accidentally switched in the method. (Every place where the key was intended to be used, the data variable was used instead.)	1	The two variables were re-named to make the distinction between their use clear, and their use within the method was corrected.

ct: Database Schema/Class

9/12/2013

r: Seth Cook

ator: Margarita Lee Li

itors: Adam Rice, John Vall

ary: Samuel Marshall

t #	Description	Severity	How Corrected
	Function Statement.getBinaryStream does not exist with the SQLite version of JDBC.	1	Replace with Statement.getBytes
	Function Statement.setBinaryStream does not exist with the SQLite version of JDBC.	1	Replace with Statement.setBytes
	Calling a ResultSet.get function before ResultSet.next raises and SQLException	2	Call ResultSet.next before ResultSet.get
	SQL can be injected into update/get/insertBlob functions	3	Check input strings for SQL and throw an error if they contain SQL syntax

ct: Create/Update API Functions
9/12/2013
r: Mitchell Stendal
ator: John Vall
ctors: Margarita Lee Li, Seth Cook
ary: Samuel Marshall

t #	Description	Severity	How Corrected
	The newUser function of DBHelpers was not hashing the password provided by the user, and would have been a security threat	2	A call to the encryptHashString was made to secure the password String
	This problem...	3	tmp

ing Defect Log

ct: GUI

9/12/2013

r: Margarita Lee Li

t #	Description	Severity	How Corrected
	The checking for blanks on textfields was not working properly.	1	The variables used where not the correct ones. Switched them to correct ones.
	Switch statements in mainCB and subCB functions were not compiling properly.	1	Changed the switch statements to if-else with a compareTo.
	Update button was only showing the newBank module.	2	Needed to add a check for main combo-box and sub combo-box to open the correct windows.

ct: Encryption

9/12/2013

r: Adam Rice

t #	Description	Severity	How Corrected
	The implementation I used within the Encryption class method decryptBlob() to convert byte arrays to strings (Arrays.toString(byte[])) did not correctly convert the byte array to a character string. This issue led to an IllegalArgumentException, which halted the program.	1	After investigating alternative ways of converting byte arrays to strings, I used the following method: String temp = new String(byte[]). This solved the issue.

ct: Database Schema/Class

9/12/2013

r: Seth Cook

t #	Description	Severity	How Corrected
	The Blob object is not supported by the SQLite version of JDBC	1	Read Blobs as a byte array
	The database file does not exist within the java resources tree	1	Create an empty file where the database file belongs
	The SQL Schema file does not exist within the java resources tree	1	Copy the Schema file to the proper location in the resource tree
	ResultSet.isClosed is an unimplemented abstract function	2	Remove calls to the

			function and test if open using try catch statements
	Statement.isClosed is an unimplemented abstract function	2	Remove calls to the function and test if open using try catch statements
	Resource Database file becomes corrupted in executable transfer	3	If code is uncorrupted, users will lose data. Write a function to empty the database file

ct: Create/Update API Functions

9/12/2013

r: Mitchell Stendal

t #	Description	Severity	How Corrected
	ResultSet in newUser is TYPE_FORWARD_ONLY therefore cannot call .first() upon the resultSet without causing an error	1	After researching the problem, .next() is used instead to check if resultSet it empty
	Encrypted password and userName raise database constraint error	1	The returned encrypted password was too large and has been modified
	Function NewWeb was improperly storing the security question/answer pairs into the CSV style string to be put into	1	Modified QA string creation for loop to

	the database		properly place delimiting semicolons
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