
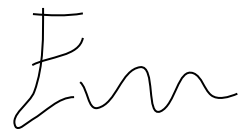


# TutorPoint Integration & Testing Report - Iteration 3

## Information

Testing Manager Name	Testing Manager Signature	Charters	Date of Testing
Daniel Bishop		<ol style="list-style-type: none"> <li>1. Re-test user registration and sign in</li> <li>2. Test security and function of user account details viewing and updating</li> <li>3. Test loading of presentations from xml files</li> <li>4. Test functionality and timing of changing of presentation slides</li> <li>5. Test function of whiteboard pens and and shapes with a focus on aesthetic function.</li> </ol>	##/##/####
Eric Walker			

## Preliminary Notes

### 1a. Login Screen Testing Results

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
LoginWindowController.java	Press register button	Opens register window	Opened register window	Y	1	Resizing window causes it to revert to default size when changing to register screen

LoginWindowController.java	Press login button with no data entered	Do not login, display appropriate error message in window	Did not login, displayed appropriate error message in window "Please Enter Username"	Y	-	
LoginWindowController.java	Press login button with valid username, but no password	Do not login, display appropriate error message in window	Did not login, displayed appropriate error message in window "Please Enter Password"	Y	-	
LoginWindowController.java	Press login button with valid (but not registered username and password) Username: "Eric" Password "EricPassword"	Do not login, display appropriate error message in window "user not registered / invalid username and password" etc.	Did not login, displayed appropriate error message in window "Wrong Username or Password"	Y	-	
LoginWindowController.java	Press login button with valid (and registered username incorrect password)	Do not login, display appropriate error message in window "Wrong Username or Password"	Did not login, displayed appropriate error message in window "Wrong Username or Password"	Y	-	

	Username: "James"  Password "EricPassword"					
LoginWindowController.java	Press login button with valid (but unregistered username and password that exists in database) Username: "Eric" Password "Test123!" (belongs to user "DasGabelhauser")	Should not login and display appropriate error message in window "Wrong Username or Password", but due to earlier discovered bug, should not change and throw exceptions	Did not login, displayed appropriate error message in window "Wrong Username or Password"	Y	-	
LoginWindowController.java	Login with Valid, registered account	Log in and move to main screen	Logged in and moved to main screen	Y	-	
LoginWindowController.java	Login with valid password,	Should not accept username, and	Did so	Y	-	

	<p>numbers in username</p> <p>Username: "Eric9"</p> <p>Password "Test123!"</p>	display appropriate error message				
LoginWindowController.java	<p>Login with valid password, non-alphanumerics in username</p> <p>Username: "Eric*"</p> <p>Password "Test123!"</p>	Should not accept username, and display appropriate error message	Did not login, displayed appropriate error message in window "Wrong Username or Password"	Y	-	
LoginWindowController.java	<p>Attempt to log in with various possible escape and special characters.</p>	Should not accept username, and display appropriate error message	Did not login, displayed appropriate error message in window "Wrong Username or Password"	Y	-	
LoginWindowController.java	<p>Does 'Remember Me' button work?</p> <p>Login with checkbox ticked, then restart</p>	Should autofill username	Does not autofill username	N	3	

## 1b. Register Screen Testing Results

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
ResgisterScreenController.java	Attempt to register as grumpkin <a href="mailto:test@example.com">test@example.com</a> P@55word Tutor box unchecked	Should add record to database with specified data	did add record to database with specified data	Y	-	Before each test, access register screen.  This account will be used as a base for other tests
ResgisterScreenController.java	Verify username uniqueness: Attempt to register as grumpkin <a href="mailto:test1@example.com">test1@example.com</a> P@55word Tutor box unchecked	Should Reject username with appropriate error message displayed	Rejected attempt with error message "Username Already Taken"	Y	-	
ResgisterScreenController.java	Verify username uniqueness: Attempt to register as grumpkina <a href="mailto:test@example.com">test@example.com</a> P@55word	Should Reject email with appropriate error message displayed	Rejected attempt with error message "Email Address Already Registered"	Y		

	Tutor box unchecked					
ResgisterSc reenContr oller.java	Attempt to register with blank fields	Should reject attempt with appropriate error message	rejects attempt with error message "Please Enter Username"	Y	-	
ResgisterSc reenContr oller.java	Attempt to register with just a valid username	Should reject attempt with appropriate error message	rejects attempt with error message "Please Enter Email"	Y	-	
ResgisterSc reenContr oller.java	Attempt to register with just a valid username and one email	Should reject attempt with appropriate error message	rejects attempt with error message "Emails Don't Match"	Y	-	
ResgisterSc reenContr oller.java	Attempt to register with just a valid username and mismatched emails	Should reject attempt with appropriate error message	rejects attempt with error message "Emails Don't Match"	Y	-	
ResgisterSc reenContr oller.java	Attempt to register with just a valid username and matched emails	Should reject attempt with appropriate error message	rejects attempt with error message "Please Enter Password"	Y	-	
ResgisterSc reenContr oller.java	Attempt to register with just a valid username and matched emails and one password	Should reject attempt with appropriate error message	rejects attempt with error message "Passwords Don't Match"	Y	-	

ResgisterScreenController.java	Attempt to register with just a valid username and matched emails and mismatched passwords	Should reject attempt with appropriate error message	rejects attempt with error message "Passwords Don't Match"	Y	-	
ResgisterScreenController.java	Attempt to register with invalid email and valid others	Should reject attempt with appropriate error message	rejects attempt with error message "Email Not Valid"	Y	-	
ResgisterScreenController.java	Attempt to register with invalid password and valid others Password: "test" - too short	Should reject attempt with appropriate error message	rejects attempt with error message "Use 8 or more characters with a mix of letters, numbers & symbols"	Y	-	
ResgisterScreenController.java	Attempt to register with invalid password and valid others Password: "testtest" - no numbers or symbols	Should reject attempt with appropriate error message	rejects attempt with error message "Use 8 or more characters with a mix of letters, numbers & symbols"	Y	-	
ResgisterScreenController.java	Attempt to register with invalid password and valid others Password: "testt3st" - no symbols	Should reject attempt with appropriate error message	rejects attempt with error message "Use 8 or more characters with a mix of letters, numbers & symbols"	Y	-	

ResgisterScreenController.java	Attempt to register with invalid password and valid others Password: "testt!st" - no numbers	Should reject attempt with appropriate error message	rejects attempt with error message "Use 8 or more characters with a mix of letters, numbers & symbols"	Y	-	
ResgisterScreenController.java	Attempt to register with bare minimum password and valid others Password: "testte!3"	Should accept and register user	Does not accept user - same error message as before.	N	3	Either incorrect function of program - additional requirement for password, or incorrect error message
ResgisterScreenController.java	Attempt to register with bare minimum password and valid others Password: "Testte!3"	Should accept and register user	Does not accept user - same error message as before.	Y	-	Password was accepted - program required mix of cases, 8 characters and numbers and symbols
ResgisterScreenController.java	Verify tutor property is passed in; Create two accounts, one a tutor one not	Should create two accounts with tutor field reflecting choices	Does so	Y	-	
ResgisterScreenController.java	Verify back button functions	Should return to login screen	Does	Y	-	



## 2. User Account Viewing/Modifying Testing Results

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
Account details screen	Attempt to view username, password, email and tutor status	Should allow viewing of username, email and tutor status, but not password for security reasons	Allows viewing of username, email and tutor status, but not password	Y	-	
Account details screen	Attempt to change username to the same username DasGabelhauser -> DasGabelhauser	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Username Already Taken"	Y	-	
Account details screen	Attempt to change username to an already taken username DasGabelhauser -> grumpkin	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Username Already Taken"	Y	-	
Account details screen	Attempt to change username to an empty string	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Please Enter Username"	Y	-	

	DasGabelhauser ->					
Account details screen	Attempt to change username to an invalid username DasGabelhauser -> DasGabelhauser1	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Username should only contain..."	Y	1	Minor visual bug, error message text box is too large for display area and error message is cut off
Account details screen	Attempt to change username to an untaken username, but with no password DasGabelhauser -> DasGabelhaus	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Please Enter Password"	Y	-	
Account details screen	Attempt to change username to an untaken username, but with incorrect password DasGabelhauser -> DasGabelhaus	Should not allow it and give appropriate error message	Disallows attempt, gives error message "Incorrect Password"	Y	-	

Account details screen	Attempt to correctly change username DasGabelhauser -> DasGabelhaus	Should allow it and update username	Allows change	Y	-	
Account details screen	Verify change is effected by logging in to account again, first using old username, then new username	Should only allow login using new username	Functions correctly	Y	-	
Account details screen	Attempt to change password to valid password with incorrect and absent current passwords	Should not allow attempts and give appropriate error messages	Disallows attempts, gives error messages "Please Enter Password" and "Incorrect Password"	Y	1	Error message is poorly positioned
Account details screen	Attempt to change password to valid, mismatched passwords with valid current password	Should not allow attempt and give appropriate error message	Disallows attempt, gives error message "Passwords Don't Match"	Y	-	
Account details screen	Attempt to change password to current	Should not allow attempt and give	Allows attempt	Y	2	End result is same: password is unchanged, yet should really

	password with valid current password	appropriate error message				show an error message and not perform an update
Account details screen	Attempt to change password to various invalid passwords: no symbol; no number, no capital; no lowercase; too short, with valid current password	Should not allow attempts and give appropriate error messages	Disallows attempts, gives error message "Passwords Don't Match" each time	Y	-	
Account details screen	Attempt to correctly change password Test123!-> Test123@	Should allow it and update password	Allows change	Y	-	
Account details screen	Verify change is effected by logging in to account again, first using old password, then new password	Should only allow login using new password	Functions correctly	Y	-	
Account details screen	Attempt to change email to valid email with incorrect and	Should not allow attempts and give	Disallows attempts, gives error messages "Please	Y	-	

	absent current passwords	appropriate error messages	Enter Password” and “Incorrect Password”			
Account details screen	Attempt to change email to absent email with valid current password	Should not allow attempt and give appropriate error message	Disallows attempts, gives error message “Please Enter Email”	Y	-	
Account details screen	Attempt to change email to mismatched emails with valid current password	Should not allow attempt and give appropriate error message	Disallows attempts, gives error message “Emails Don’t Match”	Y	-	
Account details screen	Attempt to change email to invalid email with valid current password	Should not allow attempt and give appropriate error message	Disallows attempts, gives error message “Email Not Valid”	Y	-	
Account details screen	Attempt to change email to already taken email with valid current password	Should not allow attempt and give appropriate error message	Disallows attempts, gives error message “Email Already Registered”	Y	-	
Account details screen	Attempt to correctly change email	Should allow it and update email	Allows change	Y	-	

	ew1150@york.ac.uk-> Test4@example.com					
Account details screen	Verify change is effected by logging in to account again, and returning to account details screen	Should display new email	Functions correctly	Y	-	
Account details screen	Attempt to change tutor account status with incorrect and absent current passwords	Should not allow attempts and give appropriate error messages	Disallows attempts, gives error messages "Please Enter Password" and "Incorrect Password"	Y	-	
Account details screen	Attempt to change tutor account status to same as current with valid current password	Can either allow or disallow attempt, but should not change status	Allows attempt, but does not change status	Y	-	
Account details screen	Attempt to change tutor account status to different to current	Can either allow or disallow attempt, and should change status	Allows attempt and changes status, in both directions	Y	-	

	with valid current password					
Account details screen	Attempt to change all information back to previous states DasGabelhauser Test123! ew1150@york.ac.uk	Should allow changes back to previous values: values of username and email are no longer taken	Allows changes	Y	-	

### 3. Presentation Loading Testing Results

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
PresentationObject/XmlHandler	Load empty url	Should reject attempt with appropriate error message	Rejects attempt with error message "Invalid presentation xml."	Y	1	Navigate to presentation screen before all tests Should have a more appropriate error message.
PresentationObject/XmlHandler	Load url pointing to valid, non-xml file "D:\Random\raymears.png"	Should reject attempt with appropriate error message	Rejects attempt with error message "Invalid presentation xml."	Y	-	

Presentati onObject/ XmlHandle r	Load url pointing to valid, non-xml file “D:\Random\ray mears.png”	Should reject attempt with appropriate error message	Rejects attempt with error message “Invalid presentation xml.”	Y	1	
Presentati onObject/ XmlHandle r	Load url pointing to xml file that is not a ‘slideshow’ “D:\VSCoDeSWENG\TutorP oint\client\src\main\resou rces\application\media\X ML\Exploratory\NotPresen tation.xml”	Should reject attempt with appropriate error message	Rejects attempt with error message “Invalid presentation xml.”	Y	-	
Presentati onObject/ XmlHandle r	Load url pointing to xml file that has no slides “D:\VSCoDeSWENG\TutorP oint\client\src\main\resou rces\application\media\X ML\Exploratory\Presentati onNoSlides.xml”	Should reject attempt with appropriate error message	Accepts presentation and throws exceptions	N	3	
Presentati onObject/ XmlHandle r	Load url pointing to xml file that has invalid document info “D:\VSCoDeSWENG\TutorP	Should reject attempt with appropriate error message	Rejects attempt with error message “Invalid presentation.”	Y	1	



	oint\client\src\main\resources\application\media\XML\Exploratory\PresentationBadDocumentInfo.xml"					
PresentationObject/ XmlHandler	Load url pointing to xml file that has invalid defaults "D:\VSCodeSWENG\TutorP oint\client\src\main\resources\application\media\XML\Exploratory\PresentationBadDefaults.xml"	Should reject attempt with appropriate error message	Rejects attempt with error message "Invalid presentation."	Y	1	

End notes: all error messages could be improved.

## 4. Presentation Display and Timing Testing Results

All tests use a presentation file with features allowing test to be performed

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
TimingManager/PresentationObject	Are slides sized correctly?	Slides should be sized the same as they are defined in the xml, and cut	Slides are a fixed size, 600x200px, but do correctly cut off visual features	N	3	

		off visual features outside of these boundaries				
TimingManager/PresentationObject	Do timed slides move on to next slide when finished	Slides should move on to the next slide after their allotted time	Functions as expected	Y	-	
TimingManager/PresentationObject	Do slides loop forwards correctly	Final slide should return to first slide upon slide change	Functions as expected	Y	-	
TimingManager/PresentationObject	Do slides loop backwards correctly	First slide should change to final slide upon slide change to previous	Throws errors	N	3/4	
TimingManager/PresentationObject	Do timings work upon manual slide change	Changing slide should cause timed elements to appear and disappear as intended	Causes elements with start or end times before the time spent on the previous slide to be triggered	N	3	

TimingManager/PresentationObject	Are image, video and text elements displayed correctly?	All elements should appear as described in xml	Elements are correctly displayed, and are added and removed correctly	Y	-	
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## 5. Whiteboard Pen and Shapes Testing Results

Module Under Test	Test Performed	Expected Outcome	Observed Outcome	Test Passed (Y/N)	Error Level	Notes
Whiteboard screen	Draw a pen line	Should mark the canvas as expected	Works as intended	Y	1	Default colour was white for a white background
Whiteboard screen	Draw a shape of each type	Should add shapes where clicked and dragged	Works as intended	Y	-	
Whiteboard screen	Draw a highlighter line over the top of previously drawn shapes	Should draw a translucent line over shapes	Works as intended	Y	-	
Whiteboard screen	Erase drawn objects	Should remove drawn features where touched by eraser	Works as intended	Y	-	

Whiteboard screen	Draw more of each pen/shape in different colours	Should draw as before, but with new colours (excepting eraser)	Works as intended	Y	-	
Whiteboard screen	Draw more of each pen/shape in different thicknesses	Should draw as before, but with different thicknesses (excepting eraser)	Works as intended	Y	-	
Whiteboard screen	Does shape preview match drawn shape	Shape should be drawn same as the preview at the moment of mouse release	Works mostly as intended: rectangles are previewed with sharp corners, but drawn with chamfered corners	N	3	
Whiteboard screen	Is shape preview always visible? Drawn shaped, then preview overlapping shape	Shape preview should always be the top layer of the image	Shape preview is behind everything but the background (including eraser tracks)	N	3	