Design Inspection

Product	Purdue Electronic Checkout (PEC)		
Date	09/22/16		
Author	Team 17		
Moderator	Nick Saggese		
Inspectors	Jack Han, Bor Shiuan Chen, Brian Chan		
Recorder	Hongda Zeng		
Defect #	Description	Severity	How Corrected
1	Logging in with newly created user failed	1	Fixed SQL insert query which was returning error
2	Sign up button did not post data to server	1	Added missing POST request fields
3	Passing token through RESTful API would cause a significant security flaw	2	Uses Cookies instead of direct token
4	Token is generated by using unique user ID. Users can easily sidejack a session whether it's cookies or RESTful API	2	A simple token generator based on randomization of strings
5	Inputting wrong username and password combination gives no warning	3	Added an alert of some sort of acknowledgement that username and password combination was incorrect
6	Calling get available device still returned everything	2	Fixed the route call for available devices.
7	Database still force insertion of an username even though it is no	3	Took off no null for the column of usernames

	longer used		
8	Database only updating the equipment table for check in	1	Modified routes to update the log table as well
9	Temporary Admin Switch implementation does not follow original design specification.	3	Split out admin and user views and navigational bars.

Code inspection

Product	Purdue Electronic Checkout (PEC)		
Date	09/22/16		
Author	Team 17		
Moderator	Nick Saggese		
Inspectors	Jack Han, Bor Shiuan Chen, Brian Chan		
Recorder	Hongda Zeng		
Defect #	Description	Severity	How Corrected
1	Wrong username and password crashes the Node.js server	1	When logging in, each user is generated a token and passed into a map. Token is still generated for an incorrect login and password. Placed a check for incorrect username and password
2	When getting /allInventory, the server crashes	1	There were duplicate entry of /allInventory both doing different things. Renamed to allAvaliableInventory

3	Server crash when logging in	1	Fixed parsing for validating cookie on server side
4	Server side hosting of website returned error 404	1	Restart apache server with correct port and security permissions
5	Database returning equipments and users in a random order	2	Modified query to sort results before returning
6	Current sign up procedure ask the users to pick whether to be administrator or not	1	Changed procedure to make all new user not admin then use root admin to elevate permission
7	Admin Switch was failing on individual item views.	3	Was missing a semicolon, causing error in javascript.
8	Sign up could not create a new user.	2	Port number was changed, code had to be updated to the new port number.

Unit Test Inspection

Product	Purdue Electronic Checkout (PEC)			
Date	09/10/13			
Author	Team 17			
Defect #	Description	Severity	How Corrected	Test Plan Number

1	Check-in item crashes server Input:
	    Name: LG G4
	    Type: Cellphone
	    Brand: LG
	    Description: Andy's Phone
		1	Check-in item was searching for the item by unqiue ID instead of the four field. Corrected query to search by the four field	4

2	Check-in item duplicates
	Input:
	    Name: LG G4
	    Type: Cellphone
	    Brand: LG
	    Description: Andy's Phone
		2	There would be duplicate check-in in log when it should have returned an error. Item check-in was returned; however, there was a mistake when setting "true" the isCheckIn field.	19

3	Signing up new user with duplicate email does not show error.
	Input:
	    First name: pablo
	    Last name: smith
	    Email: pablo@pablo.com
	    Password: pablo
		2	Query database for duplicate info when creating new users	22

4	Entering invalid user does not show error prompt.
	Input:
	    Email: pablo@pablo.com
	    Password: wrongpasswd
		1	Create dialog box on return of json if credentials are wrong.	23

5	If user did not enter an email, they cannot log in but there was no prompt in sign up to force them to have a email:
	 First name: pablo
	    Last name: smith
	    Email: pablo@pablo.com
	    Password: pablo
		1	Added prompt to force them to enter a email.	24

6	Users could create two account with the same email and different passwords:
	 Last name: smith
	    Email: pablo@pablo.com
	    Password: pablo
		1	Added database rule to enforce uniqueness	14

7	Independent Navigational Menus rendering properly post split (See design issue number 9) Navigate to index.html, admin.html	2	Created new files for independent actions in each of the view groups (admin and user).	12
8	Index.html fails to render default state. Navigate to index.html	1	Relocated import of scripts to after the js files. Fixed in both admin and index.	7