

Design Inspection

Product	Purdue Electronic Checkout (PEC)		
Date	09/22/16		
Author	Team 18		
Moderator	Nick Saggese		
Inspectors	Jack Han, Bor Shiuan Chen, Brian Chan		
Recorder	Hongda Zeng		
Defect #	Description	Severity	How Corrected
1	Login page did not direct to the main page.	1	Resolved issues with http and now direct to the main page.
2	Submit button to add item did not submit information to the server	1	Submit button now adds a new item to the server
3	Tabular Navigation for Page Navigation level did not show the current sub page that was active.	1	Background color on tabs is modified with jquery to show current sub page.
4	Inventory and item button on the main page disabled	2	Button now works correctly
5	Inventory button could not view inventory.	2	Inventory button will show the list of inventory after being clicked
6	Calling getAllDevices() did not respond appropriately	1	Uses GET request instead of POST request in client
7	Sign up button on login page did not direct to the signup page.	3	Sign up button now directs to the signup page
8	When developing and testing locally, calling the RESTful API on server would cause an cross-origin	2	Put in place addition headers on server side to allow resource sharing

	HTTP request denied		
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Code inspection

Product	Purdue Electronic Checkout (PEC)		
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Defect #	Description	Severity	How Corrected
1	SQL query returned an error of unknown column	1	Included quotes within SQL query
2	Malformed SQL query	3	Uses Template Literal instead for more readable code
3	updateLog POST route returned error 404 not found	1	Changed route to actually use POST instead of GET
4	Random crash on server sometimes when calling GET/POST requests	1	Added error handling for routes
5	GET/POST requests sometimes slow with concurrent connection request	3	Used a Pool instead of just a single client connection on server
6	JSON output looks ugly and unreadable	3	Used JSON stringify with formatting to make output readable to human

Unit Test Inspection

Product	Purdue Electronic Checkout (PEC)			
Date	09/10/13			
Author	Team 18			
Defect #	Description	Severity	How Corrected	Test Plan Number
1	Creating a new item in the database with spaces Input: Name: LG G4 Type: Cellphone Brand: LG Description: Andy's Phone	1	Input did not allow spaces but description needed it	12
2	Creating a new item in database with missing fields Input: Name: Type: Cellphone Brand: LG Description: Andy's Phone	2	Missing fields are automatically rejected and failed	13
3	Retire a piece of equipment from the library with correct ID Input: Unique ID: 2	1	Retire a piece of equipment wasn't working because the ID was being formatted wrong	14
4	Retire a piece of equipment from the library with incorrect ID Input: Unique ID: -1 OR an input that doesn't exist	2	There was no input checking	15

5	See the detail of a piece of equipment valid input Input: Unqiue ID: 2	2	Input was not being passed correctly through the RESTful API	9
6	See the detail of a piece of equipment valid input Input: Unqiue ID: -1 or an input that doesn't exist	2	No input sanitation, was allowing any inputs	10
7	Register New Item in Database: Input: Standard Input(Not the defect) Form would redirect to rest API page thus disrupting the single-page nature of the application.	1	Needed to use javascript to submit the form using an AJAX request to asynchronously submit the form and using preventDefault() to prevent standard HTML form submission.	12