WEB PROGRAMMING Test DOCUMENTATION AT1.6

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# Pear PHP Standard Code Tests

### The results of the Pear Standard code sniffer for the add.php and the view.php files can be found in the actvitiy\_6 folder called:

php\_codesniffer\_add.txt

php\_codesniffer\_view.txt

# PHP Code Beautifier

### The php code beautifier tools available at <https://www.tools4noobs.com/online_tools/beautify_php/> were used to beautify the php files used in the website. The resulting beautified files can be found within the php\_Beautified\_Code folder within the activity\_6 main folder

### The file names are:

add\_beautified.php

view\_beautified.php

# Test Case

|  |  |  |
| --- | --- | --- |
| CASE ID | DESCRIPTION | EVIDENCE |
| 1.1 | Website opens and displays correctly in browser |  |
| 1.2 | Fields can be populated with data |  |
| 1.3 | Submit button sends user entered data to database successfully. Displays correct message on success |  |
| 4 | Show all button displays all data previously entered into the database |  |
| 5.1 | Displays correct error message when data is not input correctly in firstname field |  |
| 5.2 | Displays correct error message when data is not input correctly in surname field |  |
| 5.3 | Displays correct error message when data is not input correctly in email field |  |
| 5.4 | Displays correct error messages when fields are left blank and submitted |  |
| 6 | Website displays correctly in internet explorer browser |  |
| 7 | Website displays correctly in firefox browser |  |

# Software Risks Analysis Report

### Potential problems

* User input is larger than the designated number of characters defined by SQL database parameters
* Lack of robust data validation may cause server-side issues with database
* No edit functionality for incorrectly added user details

### Requirement Completion

All requirements outlined by the assignment question have been met

### Security Vulnerabilities

* Server password is set to the default password
* Vulnerable to SQL injection
* Vulnerable to PHP injection

### Changes and Adjustments

Data validation was originally within the html code, this has since been changed to server-side validation to reduce the risk and likelihood of injection.