

CZ3006: Net-Centric Computing

Assignment 2 Report

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# List of Documents

|  |  |
| --- | --- |
| File Name | Description |
| assets/background.jpg | The background image used in the web page. |
| vendor/bootstrap-4.1.3-dist/\* | The bootstrap UI framework used in the project to build attractive UI. |
| index.php | This php file contains the static HTML of the form. The users can fill in the form to indicate the items they want to buy. |
| order.txt | This text file is used as a flat database to record accumulated amount of fruits sold. |
| receipt.php | This php file handles the submission of users’ fruit purchase request. Upon receiving the data, the order.txt will be updated with the latest figure and lastly a receipt is generated and displayed |
| script.js | The JavaScript file handles UI logics such as HTML element events handling and user input validations. |
| style.css | The CSS file contains the definitions of UI style such as font color and div width and height. |

# Design Structure

The program contains 2 php files which are index.php and receipt.php. The index.php is the entry point of the program, and users will input the form here. Then receipt.php will handle the user input, do file operations and lastly show the result.

The JavaScript file handles UI interaction functions as demonstrated in the following table.

|  |  |
| --- | --- |
| Function Name | Description |
| validateNumber() | Validate the input to be the valid number |
| calculateTotal() | Calculate the total cost based on the inputs in the form |
| validateForm() | Validate the form the check if the user inputs are valid |