Clean Code Review

Team Explore The World

November 13, 2019

**1. Code formatting**

Our code uses the left margin as an alignment and nested elements are indented accordingly. Although there are not many situations where name conventions were necessary, the few variables that we created follow the camelCase convention. Our variable names are within the 8-20 character range and their span is as short as possible. We also made sure that all HTML tags are closed as soon as possible.

$season = $\_SESSION["season"];

$budget = $\_SESSION["budget"];

$travelAct = $\_SESSION["travelAct"];

$q = "SELECT name, details, country, image FROM Locations WHERE season = '$season'

AND budget = '$budget' AND travel\_activity = '$travelAct';";

The span of the above code is a max of 2 and the variable travelAct follows the camelCase convention.

#### 2. Architecture

Our code is separated into respective files where it makes sense; the CSS file is separated from the PHP and HTML files. Such as we have one CSS file for the styling of our five interface files.

**3. Coding best practices**

The destination page does not use hard coding – there is not a separate page for each location recommendation.

src="<? echo $row["image"];?>"

Instead, it uses PHP and embedded PHP within the HTML (as shown above) to pull the information from the database based on the session variables. We avoided multiple if/else blocks and just have a few if statements where necessary.

**4. Non Functional requirements**

**a) Maintainability (Supportability)** – We feel that the application will require minimal support once it is completed and it will be easy to identify and fix any defects.

1. **Readability:** We feel that the code is easy to understand by just reading it.

**b) Extensibility –**As each part of the code is not greatly dependant on any other section of the code, it is quite easy to add or improve on certain features without affecting other features.

**5. Open Closed Principle:** Other than updating the interface, adding new functions should not require changes within the other code.