Code Inspection Report

MyStudyGroupPlanner

Client
Katie Hirsch

Team 2
Aparna V. Kaliappan
Ying Zhang
Siqi Lin
Sean Murren
Tyler Campbell

3/8/2016

[MyStudyGroupPlanner]
Code Inspection Report

Table of Contents

1. Introduction

1.1. Purpose of This Document

The purpose of this document is to describe our coding and commenting conventions, provide a list of possible defects in the code , summarize our code inspection process, and document our code inspection meetings. This document is intended for readers who would like to understand the code inspection process during the development of the MyStudyGroupPlanner application.

1.2. References

1. MyStudyGroupPlanner System Requirements Specification Document
2. MyStudyGroupPlanner System Design Document
3. https://www.python.org/dev/peps/pep-0008/
4. https://mariadb.com/kb/en/sql-99/naming-rules/
5. https://mariadb.com/kb/en/mariadb/comment-syntax/

1.3. Coding and Commenting Conventions

Class names will begin with an uppercase letter, with camel case for each subsequent word in the class name. Variable names will begin with a lowercase letter, with camel case for each subsequent word in the variable name. With regards to commenting, we will follow the generally accepted standards outlined in the references above.

1.4. Defect Checklist

Category	Defect
Coding Conventions	Failing to use meaningful variable names
Coding Conventions	Failing to use meaningful class names
Coding Conventions	Failing to use meaningful function names
Coding Conventions	Indenting the code inconsistently
Coding Conventions	Hardcoding numbers in the code, instead of using constants
Logic Errors	Failing to reset the value of a variable at the end of a function

Logic Errors	Using a variable before initializing it
Logic Errors	Using an assignment operator (=) instead of a comparison operator (==)
Logic Errors	Incorrect parenthesizing of mathematical operations
Logic Errors	Accessing an invalid index of an array
Security Oversights	Logging into a user's account from another source, when the user is already logged in
Security Oversights	Failing to catch and display errors in input to the user
Commenting	Failing to uncomment a commented piece of code
Commenting	Failing to comment out a piece of code
Commenting	Comments are either too concise or too wordy

2. Code Inspection Process
3. Modules Inspected
4. Defects

Appendix A – Agreement Between Customer and Contractor

Appendix B – Team Review Sign-off

Appendix C – Document Contributions

- **Tyler Campbell**
  - **None**
- **Aparna Kaliappan**
  - **Section 1: Introduction**
- **Ying Zhang**
  - **None**
- **Siqi Lin**
  - **None**
- **Sean Murren -- None**