Code Review - Bryden Campsie

Week 4

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| **Code Formatting** | **Comments** |
| Indentation:   * Use of white space * Start and end point of code block easily identifiable | Very good use of white space.  Start and end point easily identifiable |
| Naming Conventions:   * Meaningful names for classes, methods and variables   + Intention revealing names   + One word per concept * Use of case   + Variables = lowerCamel   + Classes = CamelCase   + Methods = lowerCamel   + Functions = lowerCamel | All good  Good use of case |

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| **Best Practices** | **Comments** |
| Comments:   * Class/files headers * Methods * Why, not what? | All follows best practices, easy to read and understandable. |
| No hard coding |  |

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| **Non Functionality** | **Comments** |
| Maintainability:   * Readability   + Class: Variables, Constructor, Methods   + Logical order of methods * Understandability * Consistancy | Good mantainability |
| Reusability   * Use of classes * Reusability of functionality * Avoid repetition of code – DRY (Do Not Repeat Yourself) * Functions should be small * Functions should do one thing * Classes should be small | Slight repetition of a method, not sure how to implement it otherwise.  Everything else is fine. |
| Easy to test | It is very easy to test |

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| **Fundamentals** |  |
| Use of frameworks (ie java.util.\*) | Good use of frameworks |
| Use of encapsulation   * Getters and Setters | Has used getters and setters through classes. |
| Use of constructor overloading as appropriate | No evidence of constructor overloading. |
| Similar values grouped (Enum) | No need for enums |
| Input validation implemented | Used in switch case and exception handling |
| Use try-catch loop for user input to program (Exception Handling) | Used in switch case |

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| **Functionality** | **Comments** |
| Does it meet the requirements? | It does meet the requirements. |
| Does it work? | It definitely works |