Code Review

Week 5

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| **Code Formatting** | **Comments** |
| Indentation:   * Use of white space * Start and end point of code block easily identifiable | “Phenomenal” – Emil |
| 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   + Member variables = **m**lowerCamel | Yeah definitely |

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| **Best Practices** | **Comments** |
| Comments:   * Class/files headers * Methods * Why, not what? | Proper comment formatting  Good commenting, but ned to comment on passed parameters |
| No hard coding | No hard coding |

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| **Non Functionality** | **Comments** |
| Maintainability:   * Readability   + Class: Variables, Constructor, Methods   + Logical order of methods * Understandability * Consistancy | Easy to read  Very understandable  And cconsitency |
| 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 | “Yeah good” – Emil  Literally everything else is fine |
| Easy to test | “Yeah yeah” - Connor |

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| **Fundamentals** |  |
| Use of frameworks and libraries (ie java.util.\*) | Has used multiple frameworks |
| Use of class field modifiers (public/private/protected) | Only used public modifiers |
| Use of encapsulation   * Getters and Setters | Could have used encapsulation for DisplayName |
| Use of constructor overloading as appropriate | N/A |
| Close keyboard Scanner after use | Used scanner but didn’t close it. |
| Best option chosen eg Arrays Vs ArrayLists -making best use of Java funtionality | Used ArrayLists |
| Inheritance | N/A |
| Similar values grouped (Enum) | N/A |
| Input validation implemented | No input validation |
| Use try-catch loop for user input to program (Exception Handling) | No try-catch loop |

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| **Functionality** | **Comments** |
| Does it meet the requirements? | Meets the requirements |
| Does it work? | It works |

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| **Further comments:** |
| N/A |