ITMD-411 **Final Lab Project Grading Rubric** (SP ’20) :

Final Lab project will be based on the following point allocations (Point worth: **200**)

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| Criteria | Points |
| Database Creativity: | **50 points** |
| Programming Creativity, UI & Code Logic: | **100 points** |
| Documentation/comment statements, error trapping & handling: | **50 points** |
| \*Extra Credit: | **20 points** (max) |

**\*Extra Credit possible categories (20 extra points max are possible. Choose up to any 4 choices below for the extra credit. Unless duly noted, 5 points max will be given for each choice you properly fulfill)**

1. Outstanding GUI i.e., fluid navigation, buttons , menus, table view actions, event handling (this will serve as 10 points)
2. Relational Table Designs
3. [Stored procedures](http://docs.oracle.com/javase/tutorial/jdbc/basics/storedprocedures.html)/triggers
4. Savepoints/Rollbacks & Commits
5. Inheritance modeling
6. JavaFX (this will serve as 20 points)
7. Entity Designs: UML – class diagrams, use cases & ERD’s (serves as 20 points)
8. JUnit Testing
9. Password Hashing -including storage and retrieval of hashed passwords (serves as 10 points)
10. Use of Prepared statements for selects, inserts, updates, deletes (serves up to 10 points)
11. Regex (aka Regular Expressions, for error traps, etc.)
12. Use of Hashmaps
13. Charts
14. Analytics as follows (this will serve as 20 points)
15. Ratio of open tickets to closed tickets.
16. Average time tickets take to close.
17. Group counts of high priority versus medium versus low priority tickets.

Note: Extra credit attempts must be labeled throughly with **descriptive** snapshots showing your extra credit work in *detail*. Include any extra credit at the end of your required snapshots.