ITMD-411 **Final Lab Project Grading Rubric** (SP ’21) :

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

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| Criteria | Points |
| Database Creativity / Deployment | **50 points** |
| Coding | **100 points** |
| Documentation, Comments, jar (main executable file), Snapshots | **50 points** |
| Total | **200 points** |
| Extra Credit max additional points | **+20 points** |

**\*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. Presentation Video – 5 mins. max (+15)
3. GitHub repo (+10)
4. Relational Table Designs (+10)
5. [Stored procedures](http://docs.oracle.com/javase/tutorial/jdbc/basics/storedprocedures.html)/triggers (+10)
6. Savepoints/Rollbacks & Commits (+10)
7. Inheritance modeling (+10)
8. JavaFX (this will serve as 20 points)
9. Entity Designs: UML class diagrams, use cases, ERD’s (+10)
10. JUnit Testing (+10)
11. Password Hashing -including storage and retrieval of hashed passwords (+10)
12. Prepared statements for all selects, inserts, updates, deletes (+10)
13. Regex (aka Regular Expressions, for error traps, etc.) (+10)
14. Use of Hashmaps (+10)
15. Charting (+10)
16. Analytics as follows (this will serve as 10 points)
17. Ratio of open tickets to closed tickets.
18. Average time tickets take to close.
19. 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.