# CMPG223 Group Project Final Mark Sheet 2024

NAMES OF GROUP MEMBERS: _____

_____

_____

_____

SHORT DESCRIPTION OF THE TOPIC: _____

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_____

PROGRAMMING LANGUAGE:_____

DBMS: _____

**USERNAME & PASSWORD (IF REQUIRED TO GET ACCESS TO SYSTEM): _____**

| Criteria | Total | Mark |
|---|---|---|
| **Completed group members' declaration against plagiarism on eFundi (Module Information -> Module Information & Admin -> Warning Against Plagiarism)** | **(0 for assignment if not completed and handed in with assignment)** | |
| **Project scope to be updated from previous FAST phases and specific, must correspond to scope agreed during CMPG213 proposal)** | **(0 for assignment if scope does not completely agree)** | |
| **Physical Data Model**<br>• Entities **(min 4, max 8)**<br>• Attributes with correct data types<br>• PK's<br>• FK's<br>• Relationships<br>• Referential Integrity<br>• Must be in 3NF **(if not, 0)**<br>• Efficient design | 25 | |
| **Physical Process Model**<br>• The primitive processes for **any four** use cases (scope items) are to be included | 20 | |
| Screen print of database schema created according to physical data model in DBMS, i.e. picture of ER diagram **in SQL Server** | 10 | |
| ALL SQL used (one Word doc) for:<br>• Creating the database tables (create)<br>• Maintaining All tables in the database (insert, update and delete)<br>• Querying the database e.g. for reports (select) | 20 | |
| Screen print of example programming code for **maintaining a child entity of the data model** and illustrating the efficient reuse of code (e.g. making use of methods) | 10 | |

| | | |
|---|---|---|
| Screen prints of two reports generated from your system and providing:<br>• **One report must summarize information e.g. make use of group by, sum, etc are used**,<br>• professional layout (Chapter 15 of B&W),<br>• well planned<br>• sorting or ordering,<br>• fast and effective searching of data (allowing for parameters e.g. per time period) | 10 | |
| **User manual:**<br>• 'getting started', i.e. steps to follow **to get the system installed**<br>• technical requirements, i.e. system requirements in terms of RAM, HDD space, processor speed | 5 | |
| **DETAIL diary** of time spent by each member on the project and GitHub or BitBucket screen prints | 10 | |
| Zoom Presentation / Demonstration:<br>• Whole team participates<br>• On time for appointment<br>• Computer set up correctly<br>• Questions answered correctly | 10 | |
| System itself:<br>• Professional and functional<br>• For all tables identified in data model, functionality to :<br>o create new records,<br>o update records<br>o remove records<br>o input data validation<br>• Integration test, i.e. correctness of input and output<br>• Forms: according to Chapter 16 of B&W and<br>• Reports: accuracy of output<br>• Calculations, sorting, fast and effective searching of data<br>• User friendly system (according to Chapter 15 and 17 of B&W),<br>• Help function on one form, must have tool tips, explaining the use of the form, search for keywords<br>• Efficient program code | 75 | |
| Complexity/ level of difficulty | 10 | |
| Bonus marks (e.g. detail use of GitHub) | 10 | |
| System not ready for demonstration on date and time of appointment | -100 | |
| **TOTAL** | **/215** | |