CMPG223 Group Project Final Mark Sheet 2025

NAMES OF GROUP MEMBERS: _____

_____

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_____

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) **Agree and indicate percentage for each group member's contribution to the project assignment to indicate the percentage of marks each member must receive.**	**(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 <u>completely</u> agree)**	
Physical Data Model • Entities **(min 4, max 10)** • Attributes with correct data types • PK's • FK's • Relationships • Referential Integrity • Must be in 3NF **(if not, 0)** • Efficient design	25	
Physical Process Model • The primitive processes for **any four** use cases (scope items) must be included	20	
Screen print of database schema created according to physical data model in DBMS, i.e. picture of ER diagram **<u>in SQL Server</u>**	10	
ALL SQL used (one Word doc) for: • Creating the database tables (create) • Maintaining All tables in the database (insert, update and delete) • Querying the database e.g. for reports (select) • Stored procedures used	20	

Screen print of example programming code for **maintaining a child entity (=entity on the many side of a relationship) 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: • **One report must <u>summarize</u> information e.g. make use of group by, sum, etc are used**, • professional layout (Chapter 15 of B&W), • well planned • sorting or ordering, • fast and effective searching of data (allowing for parameters e.g. per time period)	10	
User manual: • 'getting started', i.e. steps to follow **to get the system installed** • 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 screen prints	10	
Zoom Presentation / Demonstration: • Whole team participates • On time for appointment • Computer set up correctly • Questions answered correctly	10	
System itself: • Professional and functional • For all tables identified in data model, functionality to: ○ create new records, ○ update records ○ remove records ○ input data validation ○ At least one stored procedure containing an insert, update and delete of records • Integration test, i.e. correctness of input and output • Forms: according to Chapter 16 of B&W and • Reports: accuracy of output • Calculations, sorting, fast and effective searching of data • User friendly system (according to Chapter 15 and 17 of B&W), • Help function on one form, must have tool tips, explaining the use of the form, search for keywords • Efficient program code	75	
Complexity/ level of difficulty	10	
Bonus marks (e.g. in-dept use of GitHub)	10	
System not ready for demonstration on date and time of appointment	-100	
TOTAL	**/215**	