**CMPG223 Group Project Final Mark Sheet**

NAMES OF GROUP MEMBERS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHORT DESCRIPTION OF THE TOPIC: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PROGRAMMING LANGUAGE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DBMS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Criteria Total Mark**

**Physical Data Model**

25

∙ Entities

∙ Attributes with correct data types

∙ PK’s

∙ FK’s

∙ Relationships

∙ Referential Integrity

∙ 3NF

∙ Efficient design

**Physical Process Model**

20

∙ All use cases (scope items) are indicated as processes

∙ Data flows for maintaining all entities of data model ∙ Data flows for all business process steps of scope ∙ All entities of data model appear as data stores

∙ All actors of use case appear as agents

Screen print of database schema created in DBMS

10

according to physical data model (Hard copy)

Screen print of example programming code for maintaining

10

a child entity of the data model and illustrating the efficient reuse of code (e.g. making use of methods)

Screen prints of two reports generated from your system

10

and providing:

∙ summarized information,

∙ professional layout,

∙ well planned

∙ sorting or ordering,

∙ fast and effective searching of data (allowing for parameters e.g. per time period)

**User manual:**

5

∙ ‘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

**Detail diary** of time spent by each member on the project

10

and/or GitHub or BitBucket screen prints

ALL above documentation and source code submitted on

5

eFundi

Zoom Presentation / Demonstration:

10

∙ Whole team participates

∙ On time for appointment

∙ Computer set up correctly

∙ Questions answered correctly

System itself:

75

∙ Professional and functional

∙ For all tables identified in data model, functionality to : o create new records,

o update records

o remove records

o input data validation

∙ Integration test, i.e. correctness of input and output ∙ Reports: accuracy of output

∙ Calculations, sorting, fast and effective searching of data ∙ User friendly system, help function on one form only e.g. tool tips, explaining the use of the form, search for keywords

∙ Efficient program code

Complexity/ level of difficulty 10 Bonus marks 10

System not ready for demonstration on date and time of

-50

appointment

**TOTAL /200**