Report for Assignment 2

ISYS224: Database Systems (2018)

Department of Computing

Macquarie University

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Date Submitted: DD/MM/YYYY

Declaration:

In submitting this report, I, Jane Smith, declare that this is my won work.

Task 1 Creating and Populating Database Tables

Report here of any possible error or warning messages.

Task 2 Procedure for Loan Repayment

    (a) **Procedure Implementation**

    (b) **Procedure Testing**

        (i) Successful Repayment

        (ii) Unsuccessful Repayment – attempt by a third party

        (iii) Unsuccessful Repayment – insufficient fund

Task 3 Database Trigger

    (a) **Rationale behind the type of trigger used**

    (b) **How the trigger is tested (methodology)**

    (c) **Implementation of the trigger**

        (i) *Code for implementing the trigger*

        (ii) *Script for testing the trigger (and test results)*

Task 4 Interest Calculation

    (a) **Issues with Relational Schema**

    (b) **Suggested changes to the Relational Schema**

    (c) **Implementation of the suggested changes**

        (i) *SQL Code*

        (ii) *Errors/ Warnings*

    (d) **Interest Calculation Procedure**

    (e) **Testing the procedure for monthly interest calculation**

        (i) *On March 25, 2018*

        (ii) *On May 25, 2018*

        (iii) *On August 25, 2018*

Task 5 Transaction Management (theory)

Feel free to use a format of your choice here. You may want to write a very short essay of about one page, or you may want to enumerate the answers you have to individual questions in this task.

References/ Appendices

This section is optional, and you may not need it at all. Use your judgment.