CSE 3055 – DATABASE SYSTEMS

TERM PROJECT

STEP #3 – REPORT

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In this project, we have implement a database system for a high school called GATEM. This database contains information of teachers, students, lessons, classrooms, departments and materials of the school. All information are stored in that database in order to decrease connection and manipulation time. Detailed information will be given below.

We are planning to design an interface to borrow and lend materials. Students can make a request for a material to his/her teacher and teacher can also make a request to his/her manager in order to buy a new material. Manager and teacher can accept or reject requests.

We had needed information of teachers, students, departments, branches, classes and classrooms, workshops, material coding system and lessons.

Our tables and proposes are:

BRANCH: This table stores branch names of students whose classes are eleventh or twelfth

CLASS: ClassCode, ManagerID

CLASS\_BRANCH: ClassCode, BranchCode

CLASSROOM: ClassroomCode, ClassroomName, Capacity

DEPARTMENT: DepartmentID, DepartmentName

DISTANT\_STUDENT: DistantStudentID, fName,

ITEM\_BORROW\_SYSTEM

It updates STUDENT\_MATERIAL