

DEBRE BERHAN UNIVERSITY



COLLEGE OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE

COURSE TITLE: SELECTED TOPICS IN CS

COURSE CODE :COSC4181

PREPARED BY:GROUP 10

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SUBMISSION DATE:.....15/9/2014E.C

1. Introduction

An academic degree is a qualification awarded to students upon successful completion of a course of study in higher education, usually at a college or university. These institutions commonly offer degrees at various levels, usually including bachelors, master's, and doctorates, often alongside other academic certificates and professional degrees. The most common undergraduate degree is the bachelor's degree. a bachelor's degree is an undergraduate degree in which students study a subject of their choice at an academic institution and is commonly known as a college degree.

A certificate of degree or diploma are hard documents issued by an educational institution, such as a university, testifying the recipient has earned a degree or has successfully completed a particular course of study.

Certificate verification system is used to know certificate is correct even if their name is registered and certificate is given for them. It will also allow verifying if the student is graduated in the same year as the certificate was given.

The aim of this project is to implement an interactive web based certificate verification

(CV) application system for Debre Berhan university/DBU and employers.

Certificate verification system in this project will be a web based system, which used to verify that graduate students belong to DBU. It will be an electronic and computerized means of verifying someone's claim of studentship or validating degree certificate by an institution using an output clearly showing the truth or false of his or her claim.

2. Objective

The general objective of this project is to develop “Web based Degree Document Verification System” for Debre Berhan University.

3 Existing System

3.1 Overview

In the existing system the process of verification of certificate is done manually. In this verification process, the company/employer send a written request letter/ delegate to DBU of office academic record or registrar in order to verify the result and then the academic record office compares with the original certificate number and respond to the company/employer accordingly.

3.2 Users/Actors of the system

➤ company

- graduate student registration
- request certificate verification
- view response

4 proposed system

4.1 Overview

The development of the new system contains the following activities, which automate the entire process of degree verification system information.

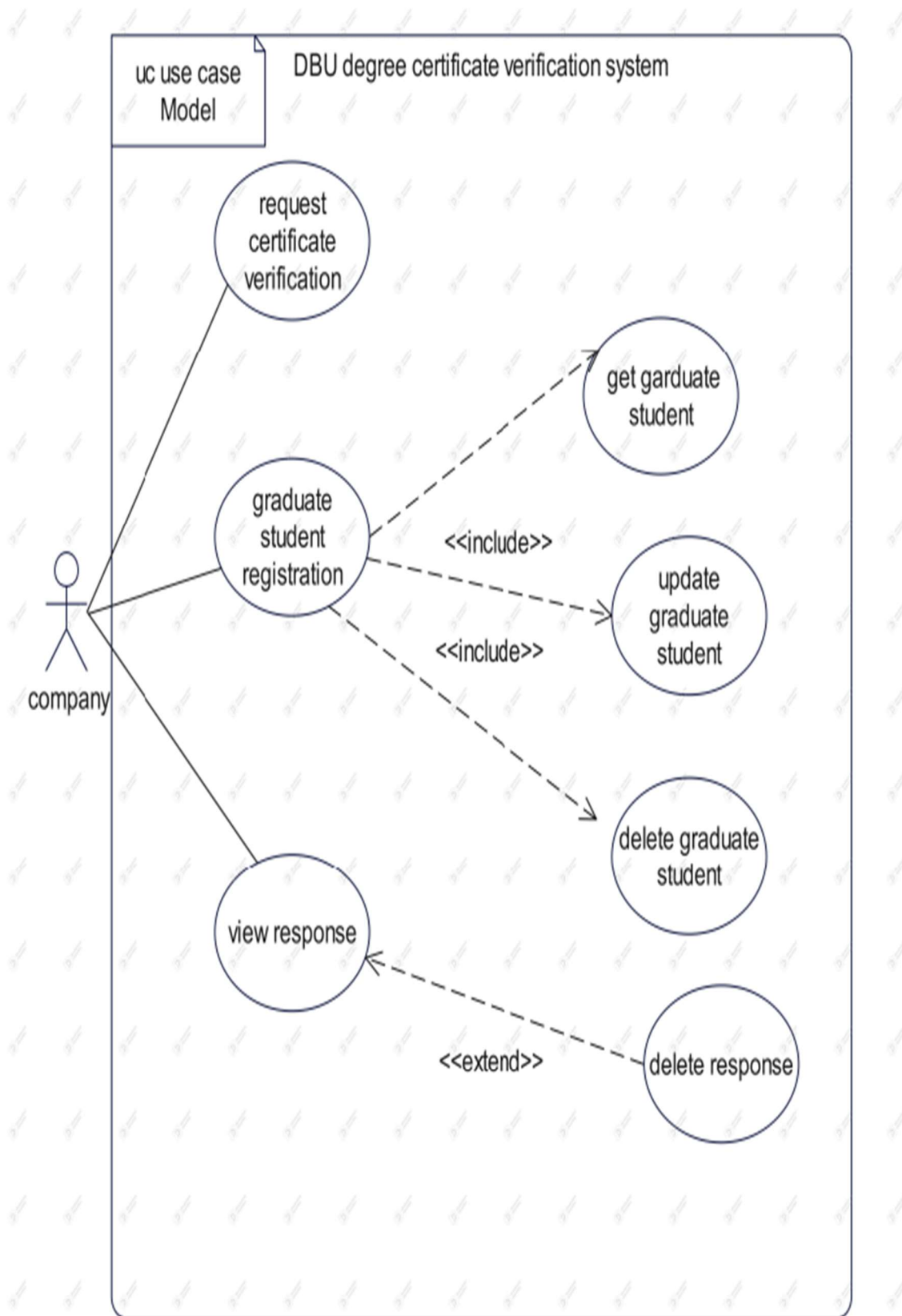
- The new system maintains graduate student information and request certificate verification information details.
- The new system makes:-
 - ✓ To reduce cost, save time and resource needed.

- ✓ Avoiding mistakes-human error will avoid because the system correctly store and return needed information.
- ✓ Increasing the speed of access or faster certificate verifications.
- ✓ Increasing accuracy and availability.
- ✓ Increasing quality of education.
- ✓ Minimize corruption.
- ✓ Greater convenience.
- ✓ Allows accessing database easily.
- ✓ Avoiding data loss because of improper data storage.

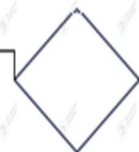
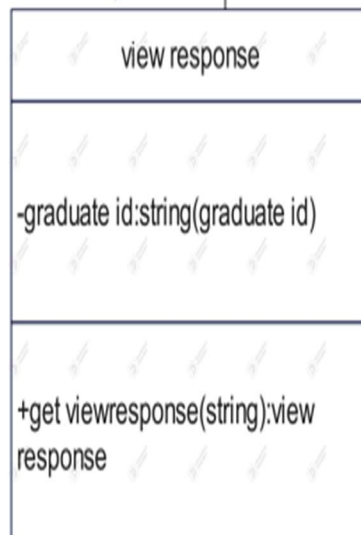
4.2 Functional Requirements

The functional requirements of the proposed system are:

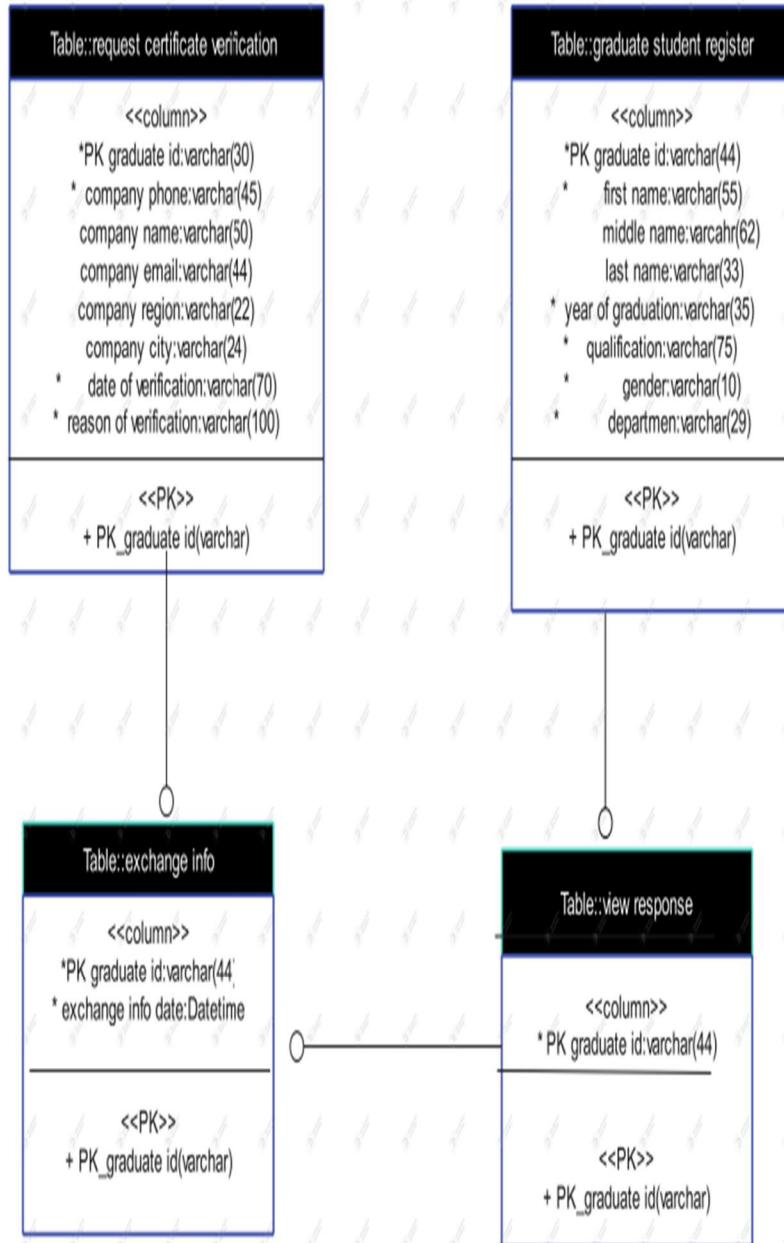
- ✓ Register company.
- ✓ The system should allow the registrar and company to search information from database.
- ✓ The administrator should manage account for all system users.
- ✓ The system should allow the company to request verification and view request results.
- ✓ The system should allow the administrator to manage graduate information.
- ✓ The system should allow the administrator to post message.
- ✓ Manage account: Checks the username and password of the administrator or manager to login.
- ✓ The system should allow the admin to manage activities like update, delete and delete user account.



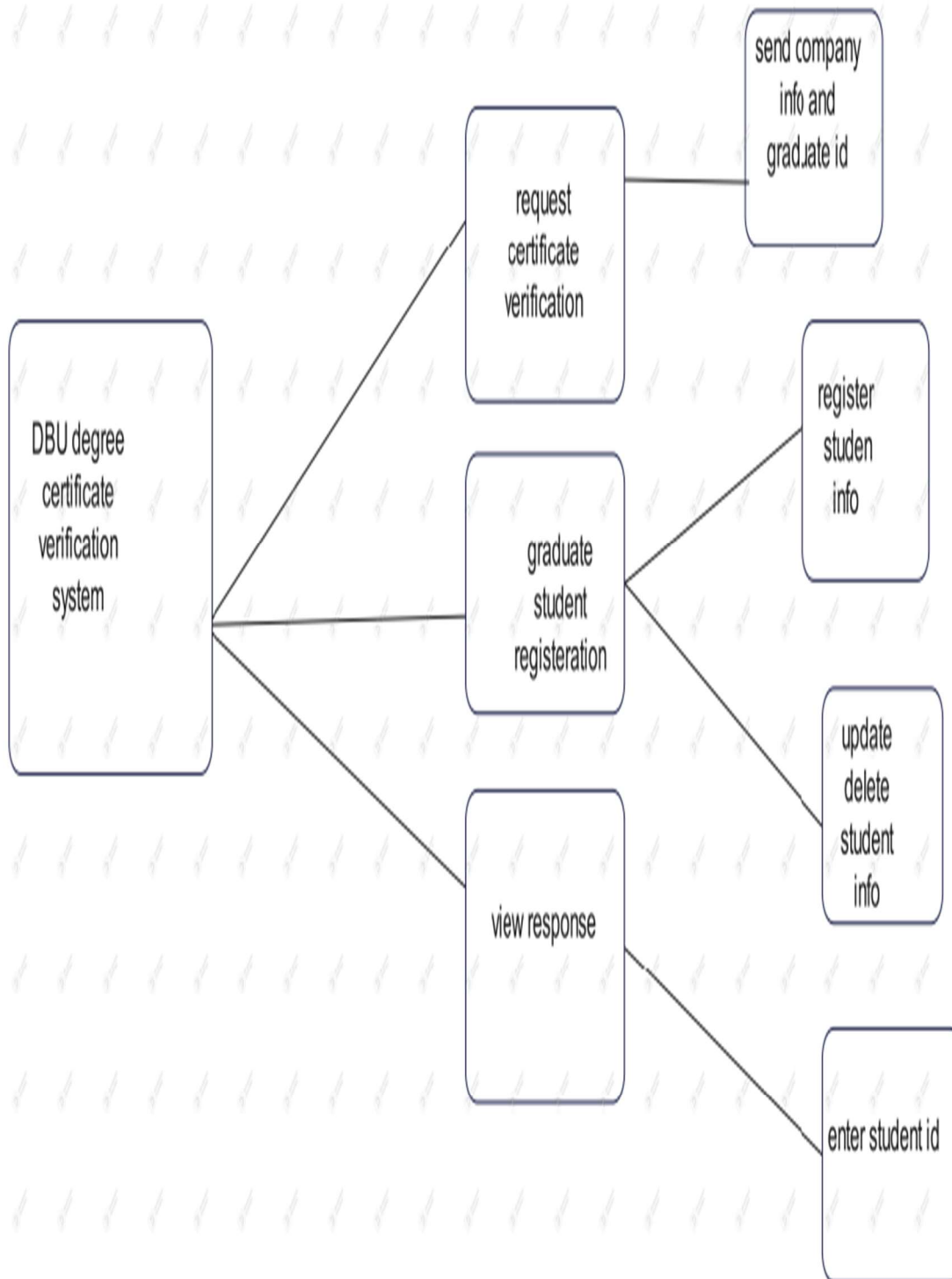
class class model



dm data model



DBU DEGREE CERTEFICATE VERFICATION USER INTERFACE MOCK UP



REQUEST CERTIFICATE VERIFICATION

GRADUATE ID:

COMPANY PHONE:

COMPANY NAME:

COMPANY EMAIL:

COMPANY REGION:

COMPANY CITY:

DATE:



REASON OF VERIFICATION:

REGISTER

CLEAR

GRADUATE STUDENT REGISTRATION

GRADUATE ID:

FIRST NAME:

MIDDLE NAME:

LAST NAME:

YEAR OF GRADUATION:

QUALIFICATION:

GENDER:

SELECT YOUR SEX ▼

DEPARTMENT:

REGISTER

CANCEL

UPDATE

DELETE

VIEW RESPONSE

GRADUATE ID:

DBUR/1722/11

VIEW RESULT

CLEAR