



세종대학교
SEJONG UNIVERSITY

Computer Science and Engineering

LSL Online Application System

(Course Individual Project)

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For Course: Database

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Abstract:

These days in Uzbekistan the number of youth who want to study in private education establishments has tripled since graduates of private education have been proving to have better results in National Tests and becoming students of prominent Universities inside of the country and overseas. This absolutely has created the need for well established, properly managed and up-to-date mobilized Private Education Organizations. This business, without doubt, has to follow modern trends of technology and computerization of management of its database in order to handle its students and its applicants.

LSL(Learning Skills Lab) one the famous private education Center has been offering numerous courses and services related to education purely with hard papers and hard documentation which I really think to be very time consuming and less efficient.

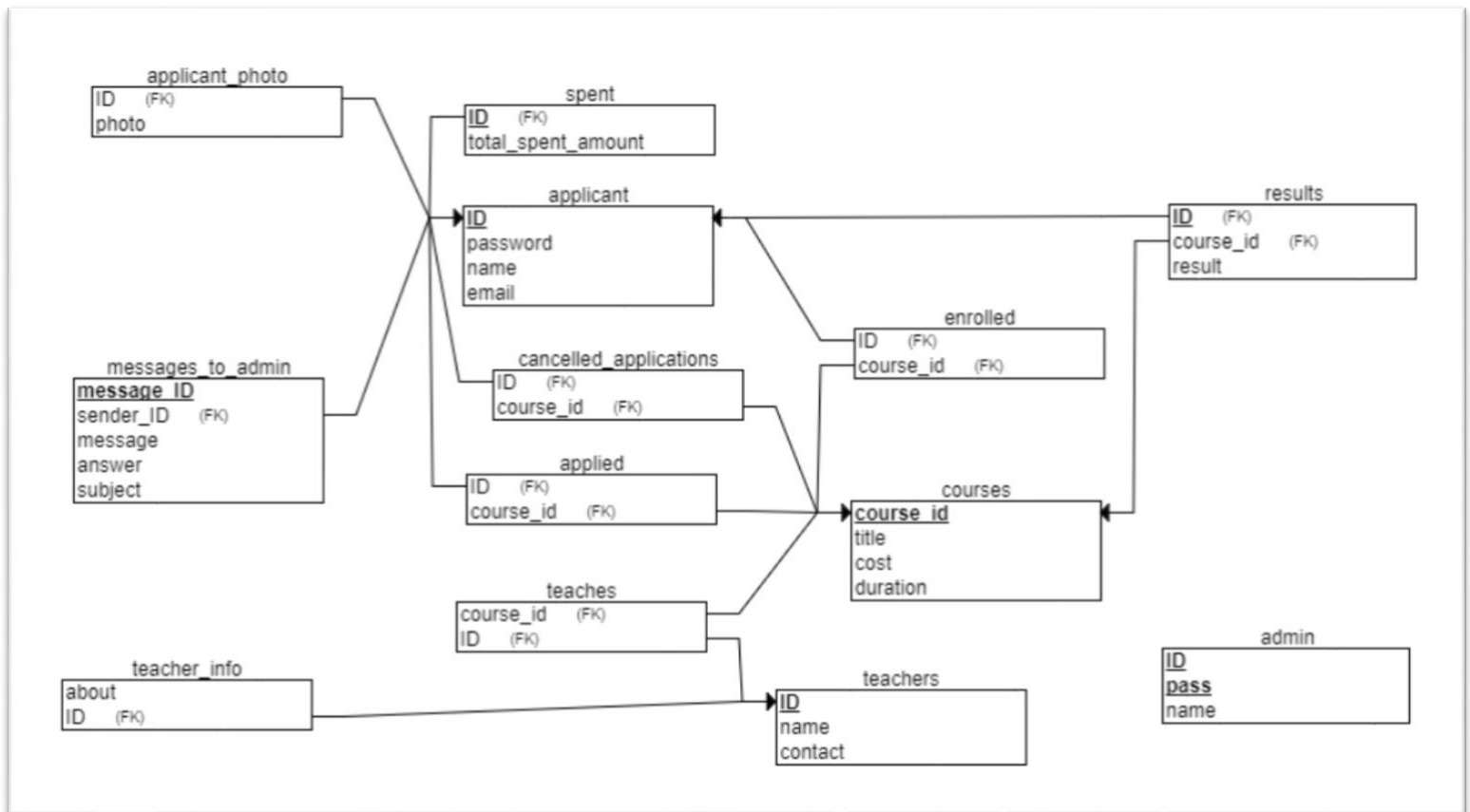
Let me introduce LSL Online Application System(LSLOAS). LSLOAS has been designed to tackle to turn LSL hard paperwork into efficiently fast, easy, user-friendly and interesting software work.

In this Documentation I will put forth my ability to dig deeper into functionality of Front End and operation of Back End of LSLOAS.

Contents:

- I. Architecture Design Documentation
 - 1. Relational Model Diagram Design
 - 2. Use Case Diagram Design
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- II. Technical Documentation
 - 1. Technical Documentation Embedded in Source Code
 - 2. Literature Programing
 - 3. Elucidative Programming
- III. User Documentation
 - 1. Usability Test
 - 2. User Experience
- IV. Marketing Documentation
 - 1. Business Strategy Documentation
- V. Further Development Documentation

Relational Model Diagram Design



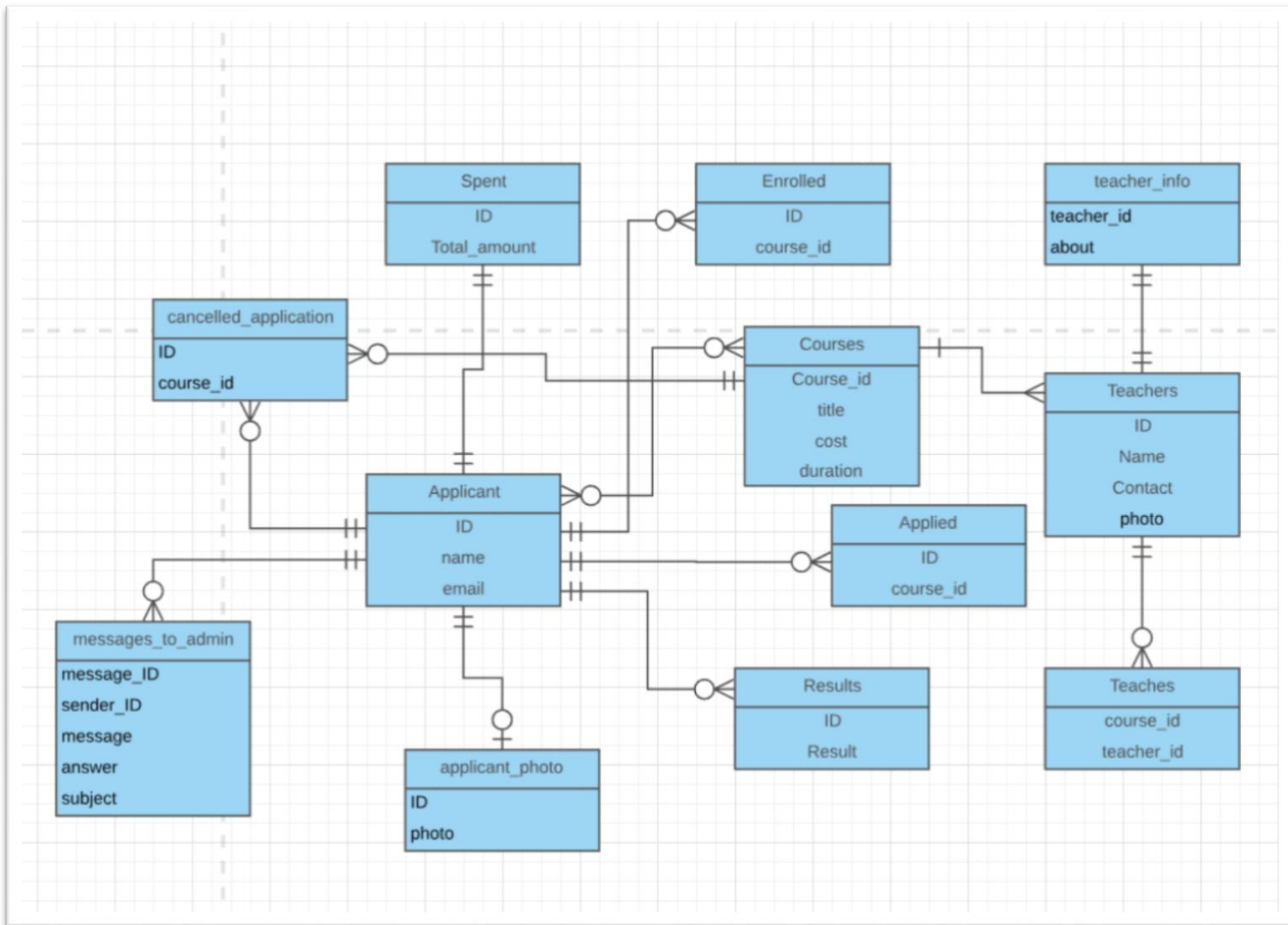
LSL Relational Diagram Consists of 13 tables all of them except admin table connected to each other following the rules of primary key and foreign Key.

Use Case Diagram Design

USE CASE DIAGRAM: Course Application System



Entity Relationship Diagram Design



Technical Documentation Embedded in Source Code

1. Computer Languages:

a. Client Side Scripting:

- HTML
- CSS
- JavaScript
- jQuery



b. Server Side Scripting:

- PHP
- MySQL



2. Tools Supporting Source Codes:

a. Client Side Scripting:

- Sublime Text
- Visual Studio Code



b. Server Side Scripting:

- MAMP



Literature Programming

1. Built-in Client Side Scripts:

- jQuery JavaScript Libraries by Google
- Awesome Fonts & Icons

2. Built-in Server Side Scripts:

- PHPmailer

While using those libraries I have used below online URLs:

<https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js>

<https://use.fontawesome.com/releases/v5.0.13/css/all.css>

<https://github.com/PHPMailer/PHPMailer>

Elucidative Programming