DEBRE BIRHAN UNIVERSITY

COLLEGE OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE

TITLE: - WEB BASED *TRADE LICENSE MANAGEMENT* SYSTEM FOR DEBRE BIRHAN TRADE AND MARKET DEVELOPMENT OFFICE

Participant group members (group 5)

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1. INTRODUCTION

Trade registration system allows traders to register their Trade. Many traders are legally required to register in order to operate their business. The first important stage is registering their trade to the government for running their business legally. It is important to include certifications and professional references, as well as a detailed outline of the structure of the organization.

2. Objective

The general objective of this project is to develop a web-based trade license and registration management system for Debre Birhan city trade license and market development office.

3. Existing System

3.1. Overview

Debre Birhan city trade and market development office use manual system. Due to this reason the officers are not able to perform its activities effectively and efficiently. Besides, to this, in the existing system customer cannot get services on time as they need. When the customers need trade license they must move to the trade registration office, which may be far from their location so that it takes much time, money and require other costs.

Generally, the problems of the existing system are the following:

- Takes much time to retrieve data
- Difficult to update and search data.
- Consumes more resources like paper, pen.
- It needs more space to store documents.
- Data security is also not protected so vulnerable to any officer.
- Require more employee and tedious to perform entire activities.

3.2. Users/Actors of the system:

- Clerk(employee)
  - Responsible for
    - Registering customers information
    - Give license for customers
    - Update license
    - Search

4. Proposed System

4.1. Overview

Our proposed system will overcome the problems faced in the manual management system and develops the new proposed web-based system. The proposed system is intended to perform all activities through accessing the website of the organization. The Customer applies the registration by filling all personal information and a clearance from the kebele administrator to and the Tax identification number (TIN) taken from the revenue's authority. While doing this the customer has to submit the selected trade code, he/she wants to have the license over it.

The system performs registering Customers who wants to participate in the trade for:

- Gives the license
- Update license
- Update the license,
- cancel license

4.2. Functional requirement

The functional requirement is the services that are provided by the system. It also describes the interactions between the system and the user, and any other external system. It describe user tasks that the system needs to support.

- Registering Customers for trade license,
- Give license
- Update the license,
- Search customer information

4.3 Use Case Model

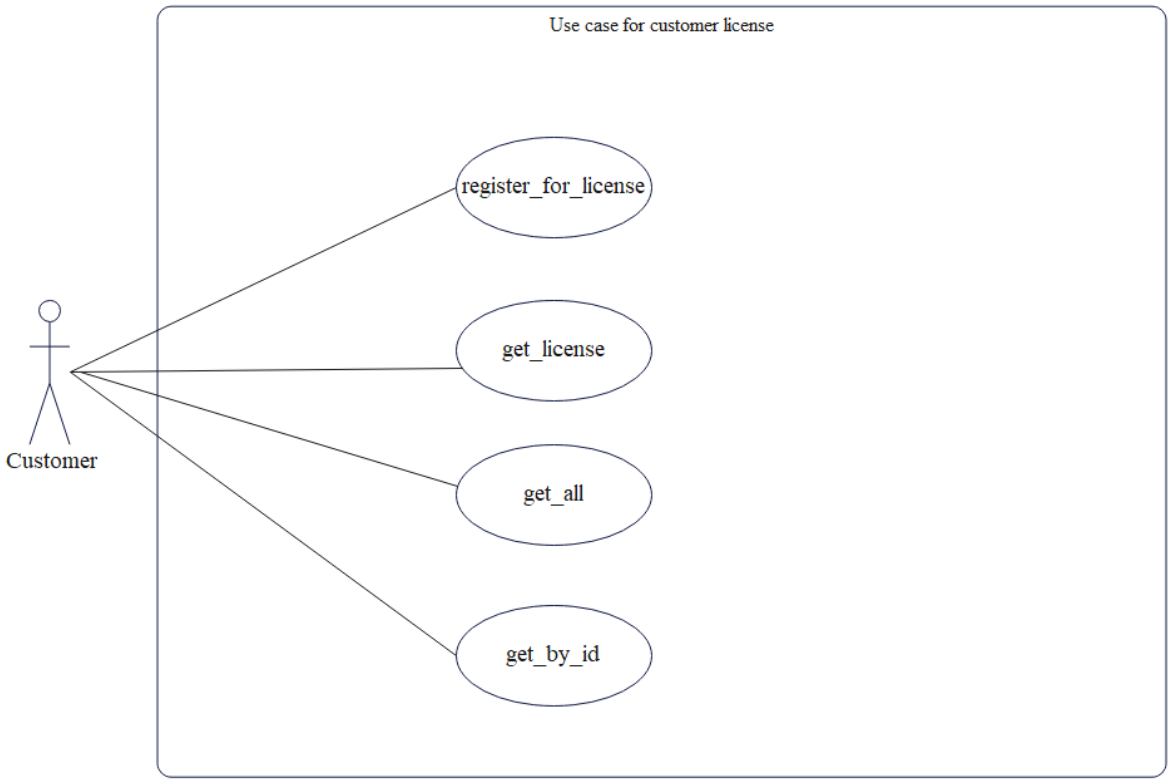

Fig 1: Use case diagram for customer

4.4 Class Diagram

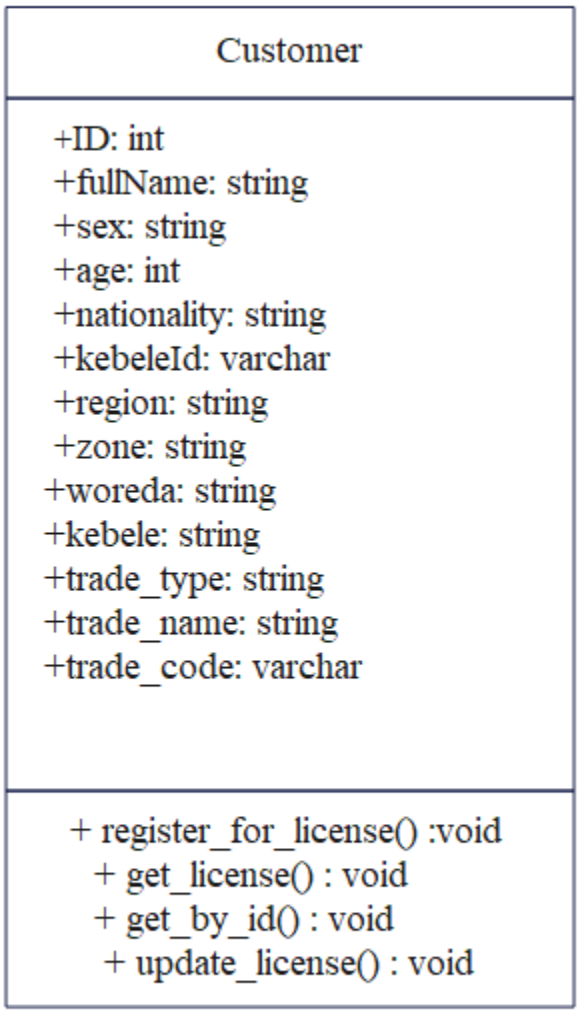

Fig 2: Class diagram

4.5 Database design

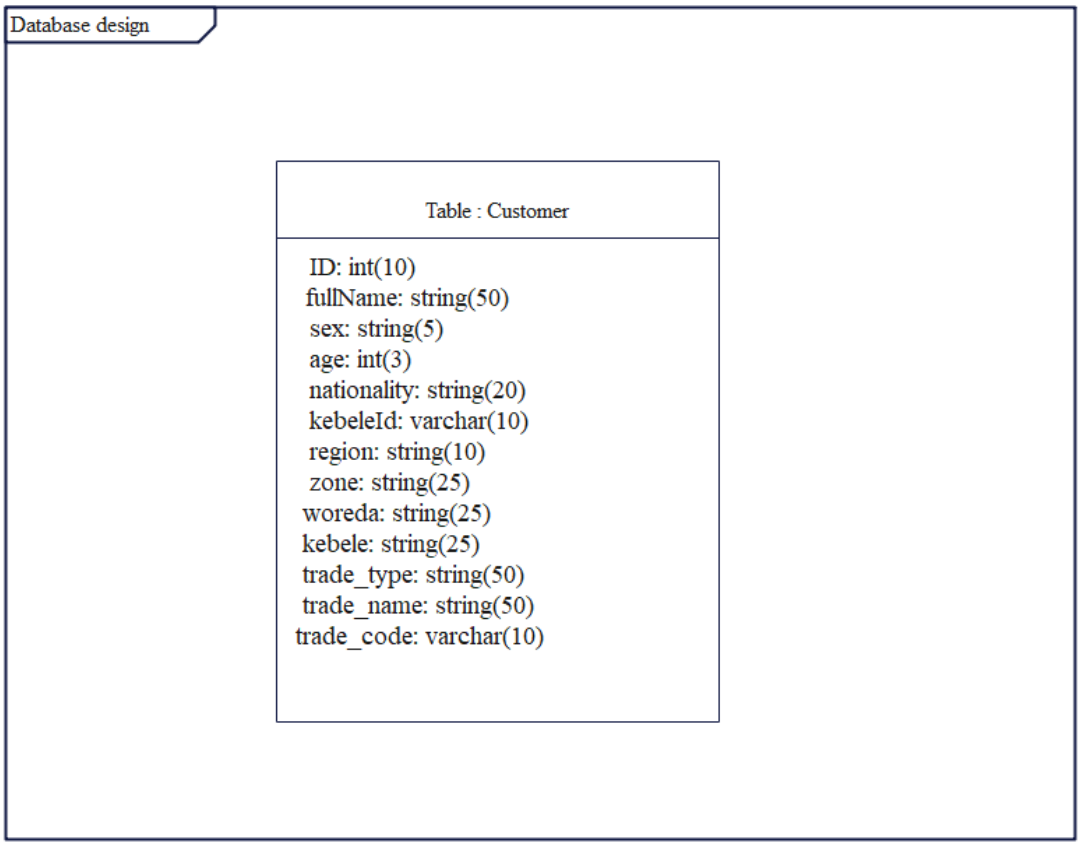

Fig 3: Database design

4. 6. User interface designing

In the proposed system user Interface design is the process that focuses on how information is provided to and accepts from users. Thus the user interface design is a technique which is designed in our new system for defining the manner in which users and system exchange information easily. A good user friendly interface provides a user to perform the activities of the system easily and effectively. User Interface of the system is designed to specify how the user will navigate through developed software application to perform useful task in the system in effective way with in limited time

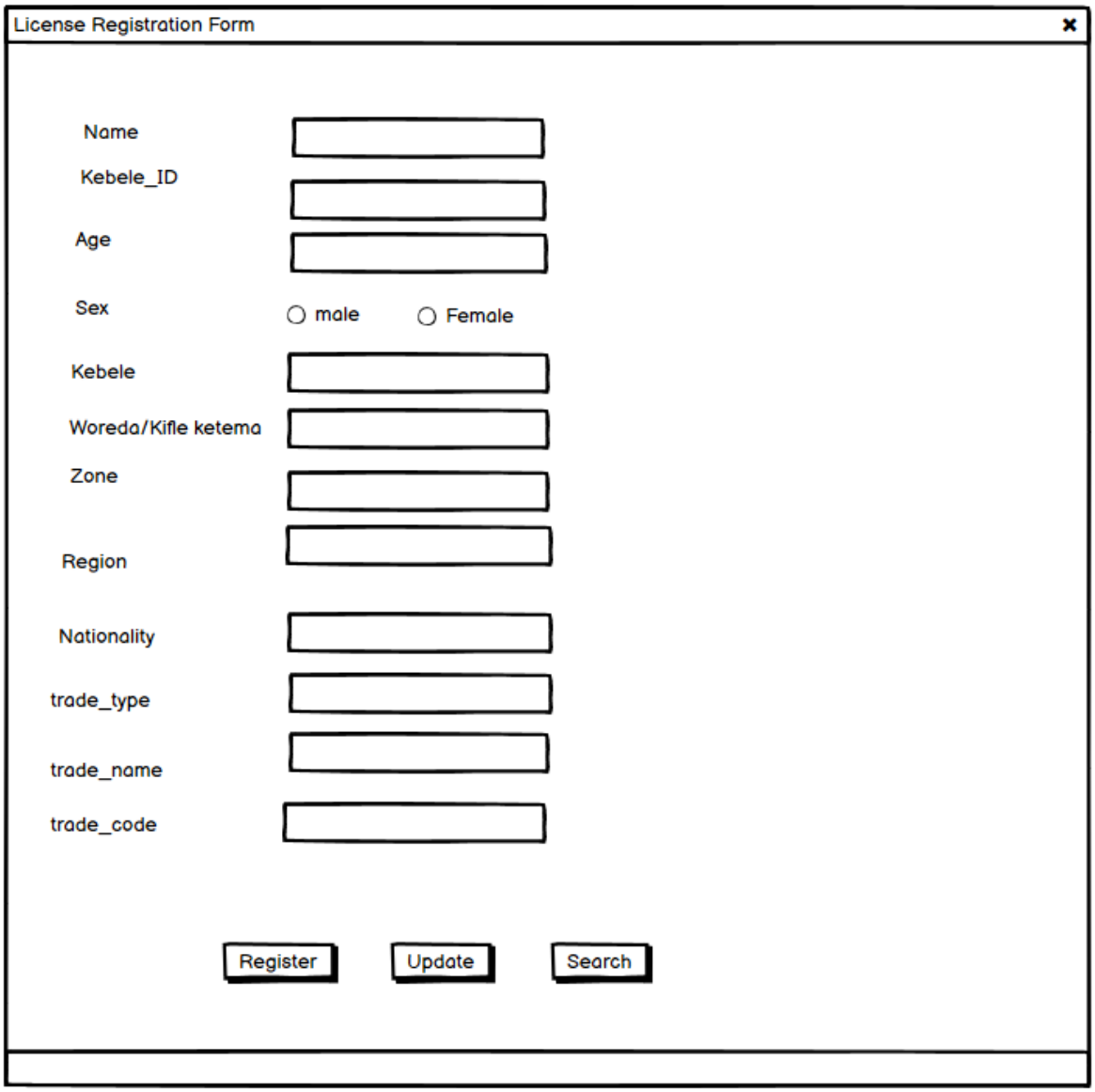

Fig 4: User interface for registration page.