

CS2102 Database Systems

Project Report

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# Introduction

Our project is a Job Offers web application that contains a catalogue of job offers and job applicants. We have 2 separate portal where users can choose to sign up or login as an employer or as a job applicants. An employer can submit job offers and view applications to the job offers. While a job applicant can browse job offers submitted by employers and apply for the job.

We used both HTTP and PHP for our sever page language which is hosted on SoC Zone sever. The database management system is handled by Oracle SQL Developer

# ER Diagram

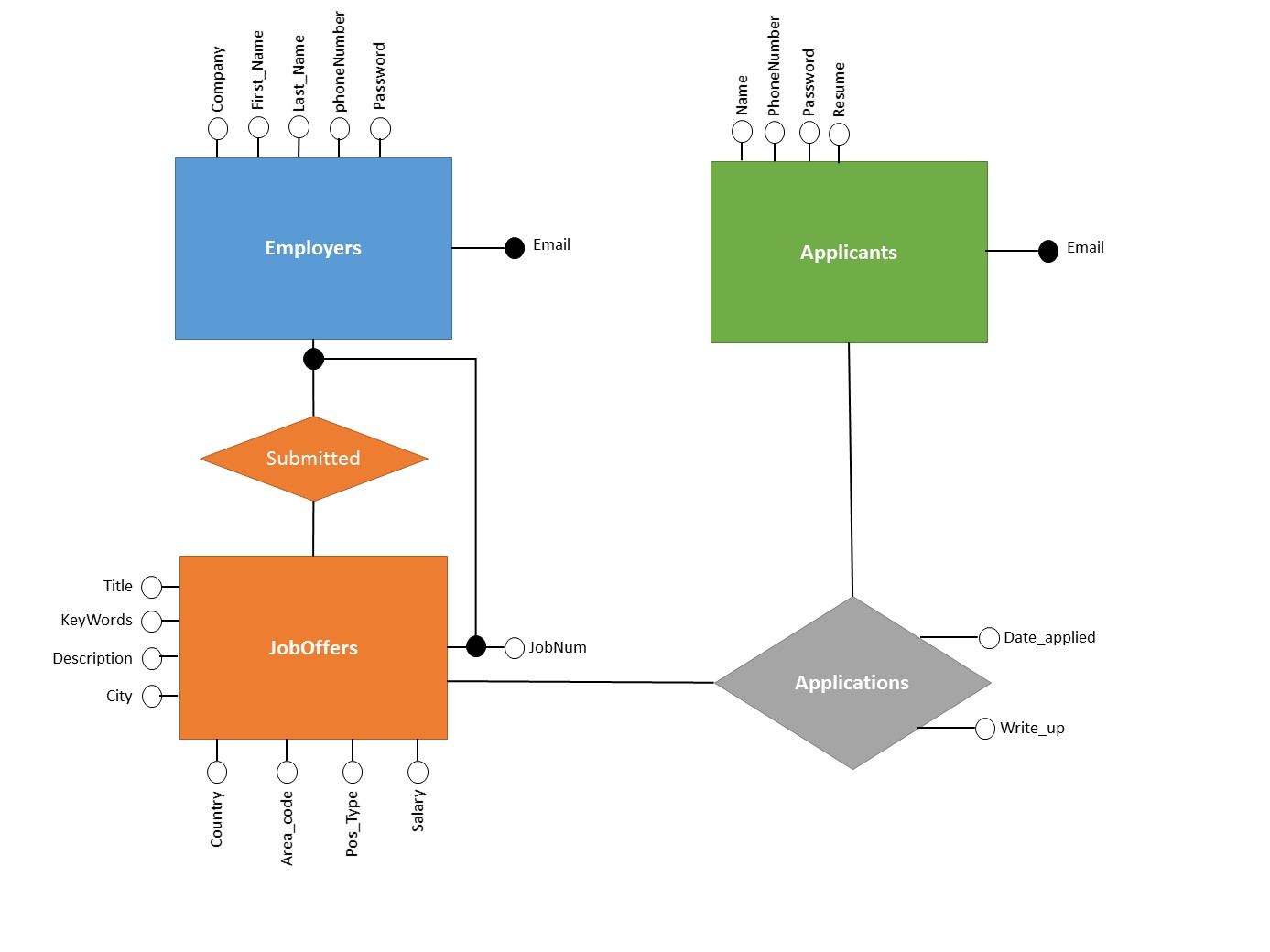


Figure 1. Entity Relation (ER) Diagram for the application

# Relational Schema

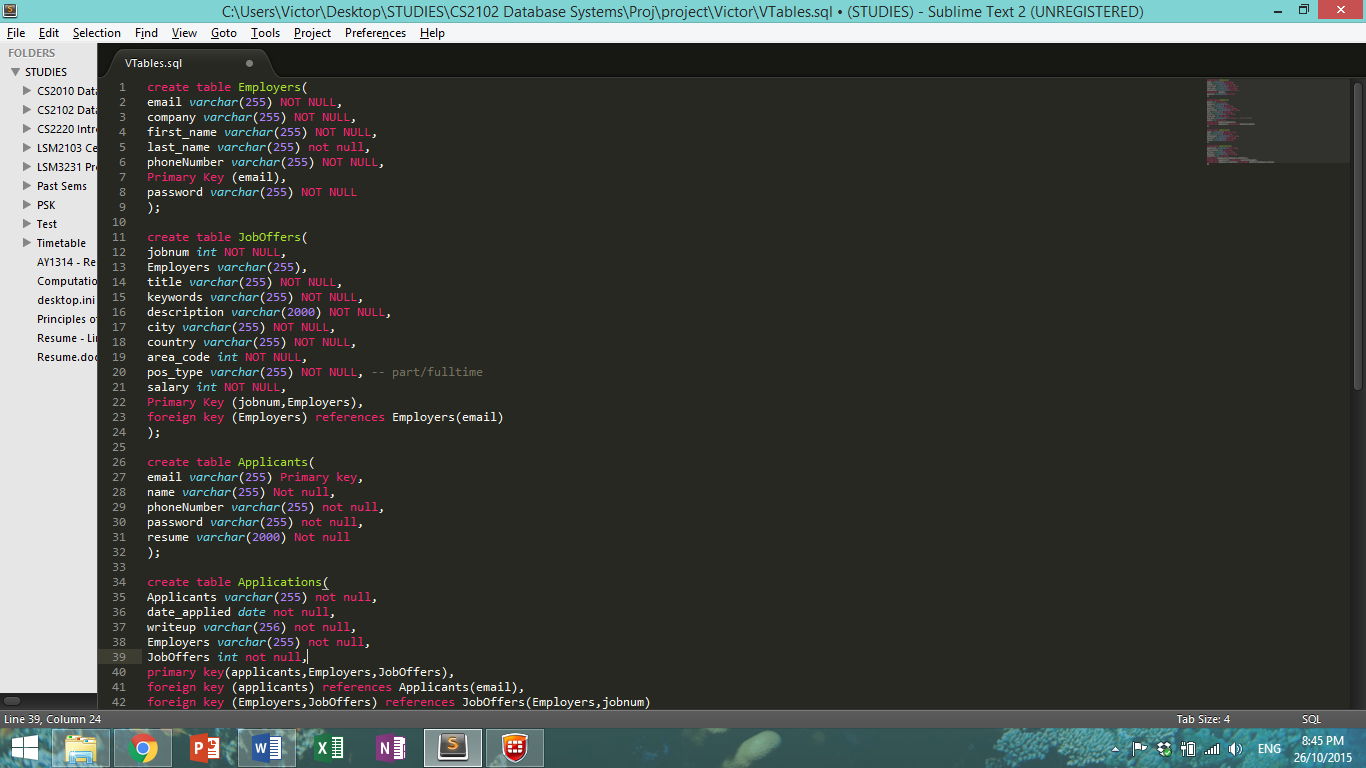


Figure 2. Relational Schema for Employers in SQL DDL

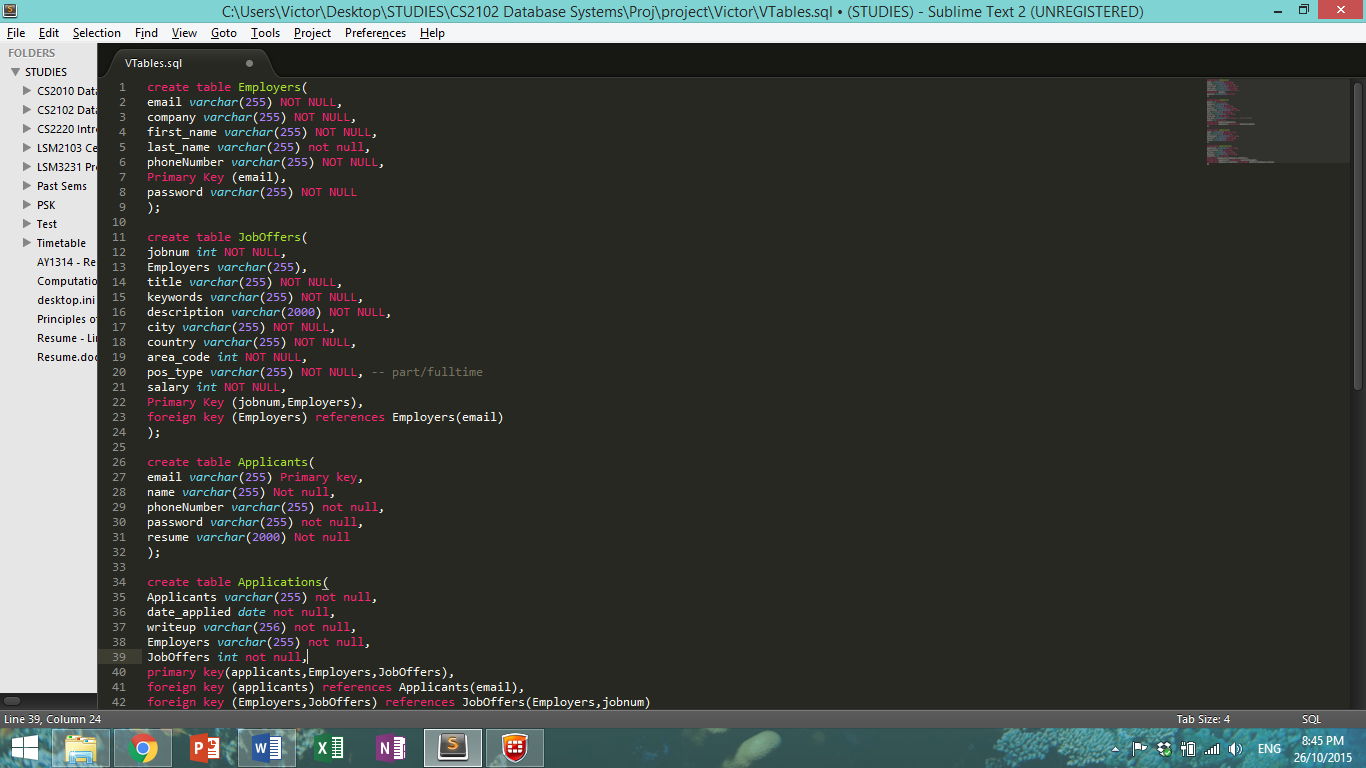


Figure 3. Relational Schema for Job Offers in SQL DDL

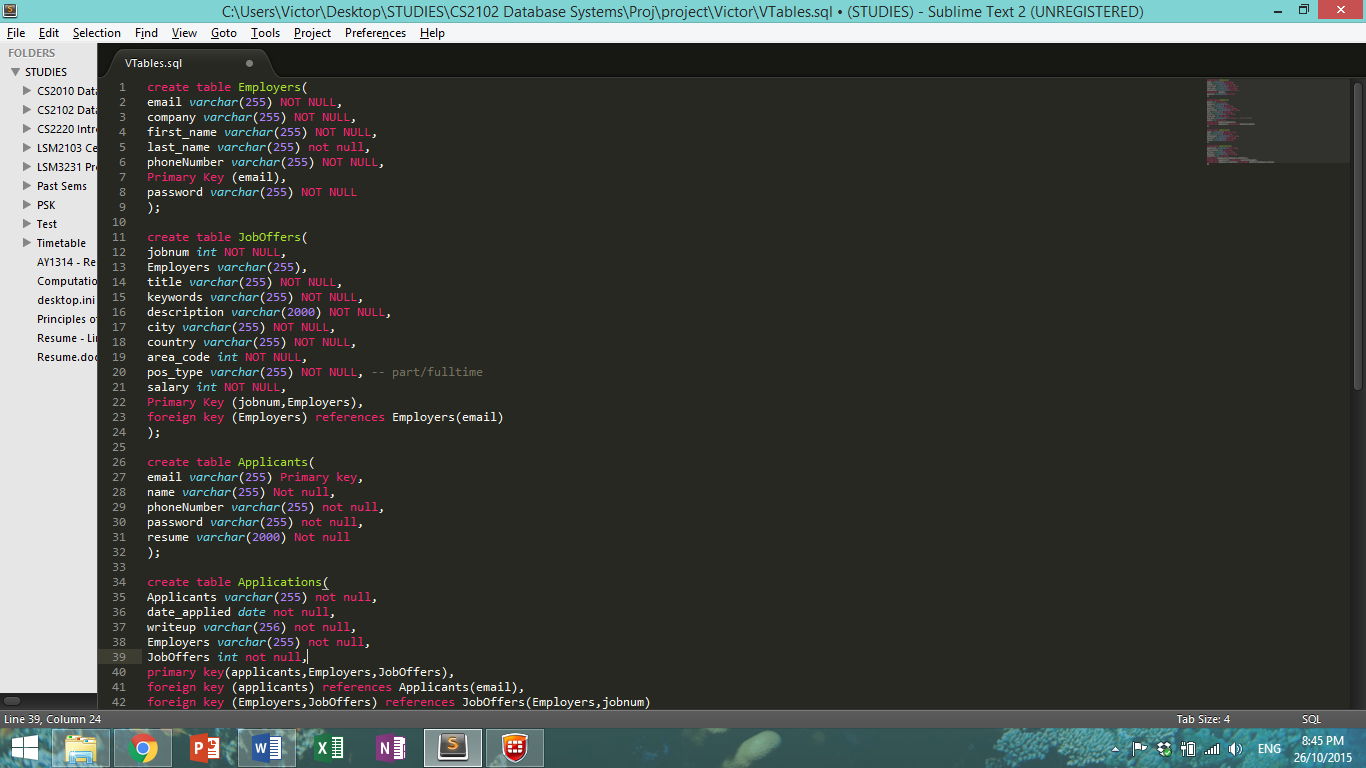


Figure 4. Relational Schema for Applicants in SQL DDL

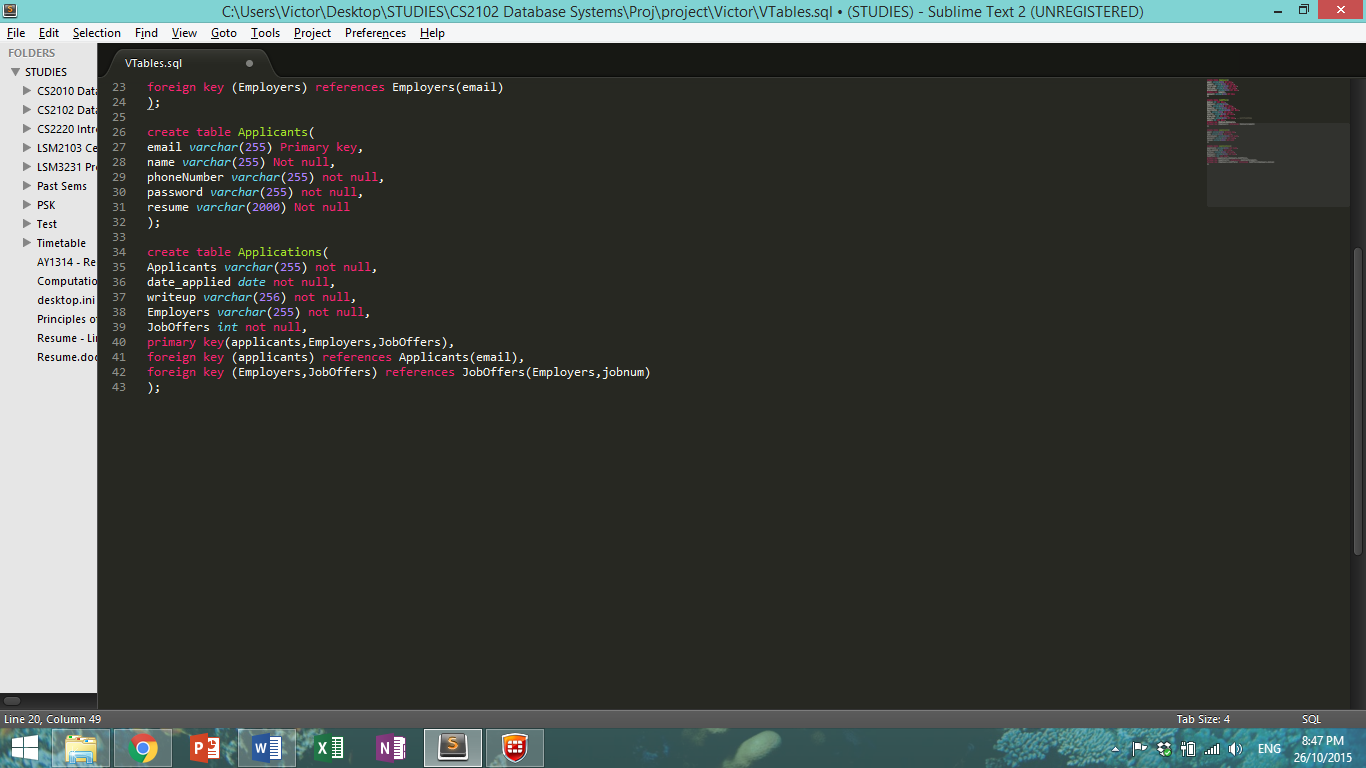


Figure 5. Relational Schema for Job application in SQL DDL

# Sample and Representative SQL code and function

# Screen shots of Web Interface