

CONCORDIA UNIVERSITY

COMP 5531 FILES AND DATABASES

Main Project Report

Web Career Portal Database

Team ID:
cxc55311

Team Members:
Craig Boucher
ID: 21295721
Osman Momoh ID:
Md Tanveer Alamgir ID:
Fan Zou ID:

Contents

1	Introduction	2
2	Database Design	2
2.1	Entity-Relation Diagram	2
2.2	E/R to Relation Conversions	2
2.3	Functional Dependencies	2
2.3.1	Normalization	2
3	Web Portal Functionalities	2
3.1	Front-End Development	2
3.1.1	Landing Page	2
3.1.2	Dashboard	2
3.2	MySQL Database Implementation	2
3.2.1	Generating Data	2
3.2.2	Creating Tables & Inserting Data	2
3.2.3	SQL Queries	2
3.3	Back-End Development	2
3.3.1	Software Design & Architecture	2

1 Introduction

2 Database Design

2.1 Entity-Relation Diagram

2.2 E/R to Relation Conversions

2.3 Functional Dependencies

2.3.1 Normalization

3 Web Portal Functionalities

3.1 Front-End Development

3.1.1 Landing Page

3.1.2 Dashboard

3.2 MySQL Database Implementation

3.2.1 Generating Data

3.2.2 Creating Tables & Inserting Data

3.2.3 SQL Queries

3.3 Back-End Development

3.3.1 Software Design & Architecture