ICT285 Database

Assessment 2

Jervin Alejandro 32940204

2025

Contents

**No table of contents entries found.**

# Revised ERD and Schema

A diagram of a company

AI-generated content may be incorrect.

The revised Entity-Relationship Diagram includes key updates to the original design, which were made to address new business requirements and incorporate the feedback from Assignment 1. A central SUBURB entity was created to manage the service's expansion into multiple areas, ensuring all location data is handled consistently throughout the database. This central SUBURB entity connects to the CUSTOMER, RESTAURANT, and DRIVER\_SUBURB tables, creating a single, reliable source for all location data. This structure is essential for enforcing the same suburb ordering rule for customers, while also providing the flexibility to assign drivers to multiple service areas.

In response to feedback, the method for storing dietary information was also normalised. This change creates a more consistent and reliable structure for handling dietary attributes like "vegan" or "gluten-free”. The new NUTRITION and DISH\_NUTRITION tables were created to properly link dishes to their various nutritional labels. This structure handles the scenario where one dish can have multiple labels, and a label can apply to many different dishes. This normalised design resolves issues with data redundancy. Ultimately, these changes create a more robust and scalable database that is fully aligned with the application's functional requirements.