CPSC 304 Project Cover Page

Milestone #: 1

Date: Sept 27, 2024

Group Number: 58

Name	Student Number	CS Alias (userid)	Preferred E-mail Address
Hediyeh Mahmoudian	15990880	g3i2f	hediemahmoudian@gmail.com
Helena Sokolovska	37576162	f3e0f	hesoru@gmail.com
Oreoluwa Akinwunmi	10711489	t8j3b	Oreakinwunmi@yahoo.com

By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above.

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia.

Restaurant Locator

Project Description

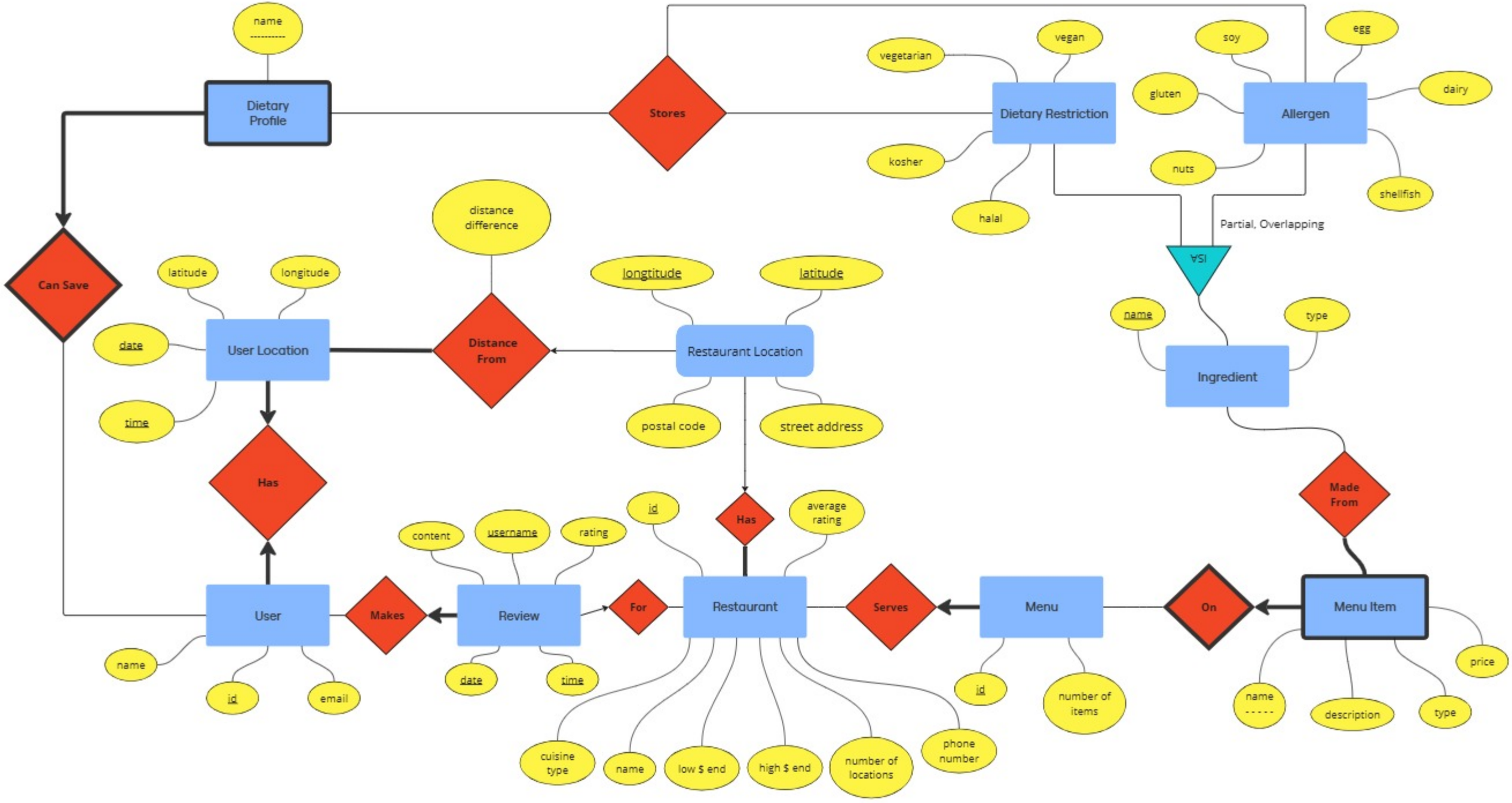
Our database application will help users find nearby restaurants on the UBC campus, with options to filter for food preferences, dietary restrictions, and affordability. This falls under the domain of food/beverages, as well as the service industry. The all-in-one application allows users to easily search through menu items of multiple restaurants and ensure they can avoid ingredients/allergens, without needing to manually search through individual menus. Users will be able to leave reviews for restaurants they visit.

Database Specifications

Our database application will allow users to filter by cuisine, restaurant ratings, dietary restrictions, and price range. It will provide information about relative distance to each restaurant from a user's current position. We will pull ingredient lists for menu items, and log whether they meet certain dietary restrictions or contain any allergens. Users will be able to save their filters as a dietary profile, and leave reviews with a comment and rating.

Application Platform

We will be using the department-provided Oracle database. On the frontend, we expect to use HTML/CSS to structure and style the web application, and JavaScript to allow user-interactive content. We also expect to use JavaScript/Node.js on the backend, with Express.js as the framework. We may use Password.js for user authentication. We will also likely require a Google Places API to show user and restaurant location.


name
Dietary Profile
Stores
vegetarian
vegan
Dietary Restriction
kosher
halal
soy
egg
gluten
Allergen
dairy
nuts
shellfish
Partial, Overlapping
ISA
Can Save
distance difference
latitude
longitude
date
User Location
time
Distance From
longtitude
latitude
Restaurant Location
postal code
street address
name
type
Ingredient
Has
Made From
id
Has
average rating
content
username
rating
User
Makes
Review
For
Restaurant
Serves
Menu
On
Menu Item
name
email
date
time
cuisine type
name
low $ end
high $ end
number of locations
phone number
id
number of items
price
name
description
type