University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: _____1_____

Date: _____02/08 2024_____

Group Number: _____53_____

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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 the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

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

2. A brief project description answering these questions:
a. What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like

healthcare/patient management/logistics (it would depend on what the application is trying to do).

b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

This program is aimed to form a database that is used for food searching and health problems. The domain of the project lies in the study of food science specifically focusing on food health and food safety related to humans. The program here can identify what kind of nutritions this food has and what food services can provide this food. In that case this database can be used to justify the nutritional value of food on the menu and give suggestions on some specific requirements for what is going to be eaten, like suggestions of restaurants or grocery stores.

3. Database specifications: (3-5 sentences)
a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do
The database will provide users with the function of searching and retrieving all kinds of food information, including its nutritional content and potential health benefits or concerns. Users will also be able to find food service organizations such as restaurants and grocery stores, and filter according to the types of dishes and the standards of food and accommodation. In addition, the database can provide recommendation functions according to users' preferences, dietary restrictions or health goals, so as to help users make wise choices about their food consumption and obtain appropriate food services.

4. Description of the application platform: (2-3 sentences)
a. What database will your project use (department provided Oracle, MySQL, etc.)? See the "Project Platforms" section of this document for more information.
b. What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the "Project Platforms" section of this document for more information.
i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

We will use the department provided Oracle for our database. For our technology stack, we will use PHP to implement the application.

- name
- treatment
- health effect to human
- type(natural hazard, chemical, virus, etc.)
- Agricultural Disease
- recipe
- name
- description
- Food Product
- Issue Name
- effect
- symtop
- Health Issue
- cause
- severeness
- affect
- dates
- place of origin
- name
- Ingredient(Produce)
- expiration date
- contain
- sell
- name
- dose
- treat
- expiration date
- Medicine
- name
- purchase
- Food Services
- amount
- include
- order number
- address
- hours
- Drug Identification Number
- manufactruer
- ISA
- Overlap Constraints: Disallowed
- Covering Constraints: Yes
- from
- Nutrition Facts
- Grocery Store
- Restaurant
- Country
- continent
- population
- chemical name
- benefits
- number of departments
- Grocery Store License#
- Restaurant License#
- number of tables
- Name