**Recipe Generator Tech (Design) Documentation**

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1. Project Objective

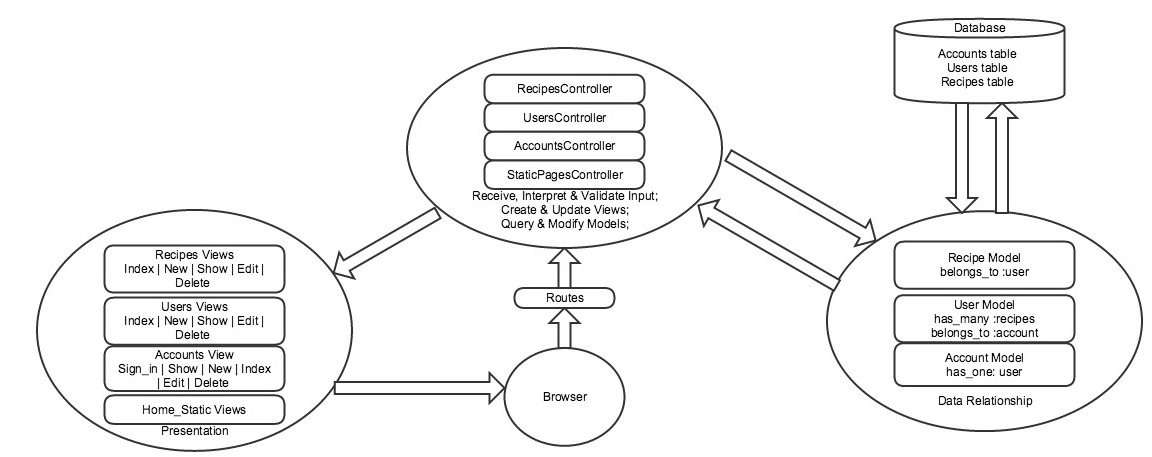
Develop a web application based on MVC architecture using Ruby on Rails with standard CRUD actions.

Recipe Generator is a web application where you can search for recipes using the API provided by yummly.com, create/edit/delete accounts linked to your profiles to add/show/edit/delete your profile information and your own recipes.

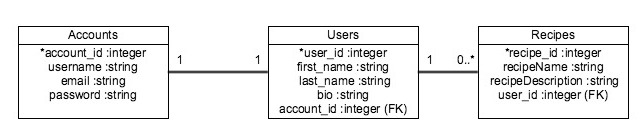
2. Technical Design Diagram

Provide a diagram that illustrates all new and existing technical resources required for the successful completion of this project. The diagram should include the following:

The Recipe Generator developed through Ruby on Rails use the MVC (Model-Views-Controller) architecture; the specific models, views and controllers to support the application are illustrated in this diagram:



There are three tables in the database: accounts table, users table and recipes table. The class relationships is represented in the following diagram:



**3. Technical Specifications**

Provide detailed technical specifications for required infrastructure as outlined below.

3.1 Operating System

The application is developed using Ubuntu 12.04 Linux Operating System.

3.2 RubyGems

Here’s the gem requirements for this application:

source 'https://rubygems.org'

gem 'rails'**,** '4.2.1'

gem 'bootstrap-sass'**,** '3.2.0.0'

gem 'mysql2'

gem 'sass-rails'**,** '~> 5.0'

gem 'uglifier'**,** '>= 1.3.0'

gem 'coffee-rails'**,** '~> 4.1.0'

gem 'jquery-rails'

gem 'turbolinks'

gem 'jbuilder'**,** '~> 2.0'

gem 'sdoc'**,** '~> 0.4.0'**,** group: **:doc**

group **:development, :test do**

gem 'byebug'

gem 'web-console'**,** '~> 2.0'

gem 'spring'

**end**

**3.3 Database**

This application uses MySQL2 as the database management system and will require MySQL client libraries and Ruby MySQL libraries for database development. Configurations of the development database (config/database.yml) is specified as below:

development:

adapter: mysql2

encoding: utf8

database:

pool: 5

username:

password:

socket: /run/mysqld/mysqld.sock

When use the application, update the configurations to your own database name, username and password.