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Functional Requirements:
1. The user shall be able to find all recipes containing specific ingredients.
2. Recipes will having the following additional properties: preparation time, difficulty, and type of dish.
3. The system will have a database of preloaded recipes.
4. The system will accept boolean inputs in the search; for example, avocado NOT pear will only return recipes with avocado and no pears.
5. The system will have an advanced search option to specify a range preparation time, difficult, and type of dish to return.
6. The system should display available pictures for recipe steps and the final product.
7. The system must allow users to upload recipes.
8. The system should allow users to report recipes based on the following criteria: Contains nudity and/or profanity, contains vulgar and/or harassing subject matter, contains irrelevant content, or other.
9. Reports have a list of reasons of which users must select one option when reporting.
10. The user will have the ability to favourite recipes.
11. Favourite recipes shall be saved locally onto the user's app.
12. The system shall display the ingredients needed for a recipe, and the steps needed to create the dish on one recipe page.
13. The system shall notify the user once a recipe has been successfully uploaded.
14. The system shall alert the user when a starred recipe gets changed.
15. Recipes uploaded by a user shall be added to the database in less than 2 hours.
16. The system must allow users to rate recipes.
17. The system will have a section for top rated recipes.
18. The system must allow users to login using an email address and password.
19. The system must allow users to sign up using email.
20. The system shall allow users to filter out recipes by specific ingredients.

Non-functional Requirements:
1. The system must be able to handle at least 20 clients at the same time.
2. The system must fail less than 0.0001% of the time.
3. The system must be able to run on android versions 5.0 lollipop and above.
4. The system must display the uploaded recipes within 12 hours.
5. The system must remove recipes within 6 hours.

Use Cases:

The user logs in:
1) The user opens the app.
2) The user inputs their email in the username section.
3) The user inputs their password in the password section.
4) The user presses log in.
5) The app opens onto the main page.

The user creates an account:
1) The user opens the app.
2) The user presses "Create new account".
3) The user inputs their email into the email section.
4) The user inputs their password into the password section. The password uses hidden characters.
5) The user inputs their password into the confirm password section. The password uses hidden characters.
6) The user presses "Confirm.
7) The app sends the user back to the login page.

The user searches for a recipe and saves it:
1) The user opens the app.
2) The user presses the search icon (magnifying glass).
3) The user writes down the ingredients they want the recipes to include in a search box.
4) The user must select at least one of the following criteria to specify their search:
    a) The user selects what kind of meal they want to make (main dish, starter, dessert, appetizer, drink, sauce).
    b) The user picks what nationality meal they would like to make from a given list of available nationalities. Categories for international and unknown nationalities will also be given.
5) The user presses "Confirm".
6) The app outputs a list, sorted by default on the amount of ingredients the user has that a recipe would require.
7) The user scrolls through to a desired recipe.
8) The user presses on the recipe box.
9) The app opens the page dedicated to the recipe.
10) The user presses the star logo.
11) The app downloads the recipe into the local storage.
12) The user can find this recipe from the "My favorite recipes" tab.