

Name: Swaraj Kaondal

Unity ID: skaonda

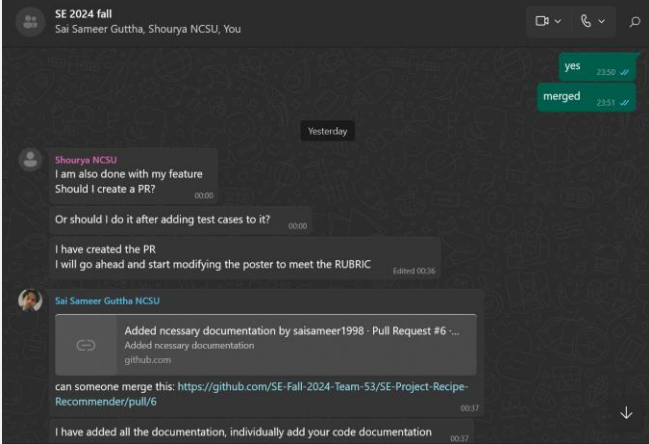
Email: [skaonda@ncsu.edu](mailto:skaonda@ncsu.edu)

Group: 52

Repo link: <https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender>

Notes	Self Assesment (Total = 103/105)	evidence
Workload is spread over the whole team (one team member is often Xtimes more productive than the others...	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/</a>
but nevertheless, here is a track record that everyone is contributing a lot)	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/</a>
Number of commits	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/</a>
Number of commits: by different people	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/commits/master/</a>
Issues reports: there are <b>many</b>	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues?q=is%3Aissue+is%3Aclosed">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues?q=is%3Aissue+is%3Aclosed</a>
Issues are being closed	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues?q=is%3Aissue+is%3Aclosed">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues?q=is%3Aissue+is%3Aclosed</a>
Docs: doco generated, format not ugly	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/Application_Guide.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/Application_Guide.md</a>
Docs: what: point descriptions of each class/function (in isolation)	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/backend/controllers/recipe.js#L68">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/backend/controllers/recipe.js#L68</a>

Notes	Self Assesment (Total = 103/105)	evidence
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	<a href="https://www.youtube.com/watch?v=0IJG0-tvfvI">https://www.youtube.com/watch?v=0IJG0-tvfvI</a> <a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/Application_Guide.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/Application_Guide.md</a>
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master?tab=readme-ov-file#motivation">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master?tab=readme-ov-file#motivation</a>
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	<a href="https://www.youtube.com/watch?v=0IJG0-tvfvI">https://www.youtube.com/watch?v=0IJG0-tvfvI</a>
Use of version control tools	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master</a>
Test cases exist	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master/tests">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/tree/master/tests</a>
Test cases are routinely executed	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/actions/runs/11637231935">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/actions/runs/11637231935</a>
Issues are discussed before they are closed	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues/7">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/issues/7</a>

Notes	Self Assesment (Total = 103/105)	evidence
Chat channel: exists	3	
Test cases: a large proportion of the issues related to handling failing cases.	1	
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	Everyone is using VSCode for development and we have a DB hosted on Mongoose that everyone is connecting to from local.
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/backend/package.json">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/backend/package.json</a> <a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/frontend/package.json">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/frontend/package.json</a>
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	3	Everyone is using VSCode for development and we have a DB hosted on Mongoose that everyone is connecting to from local.

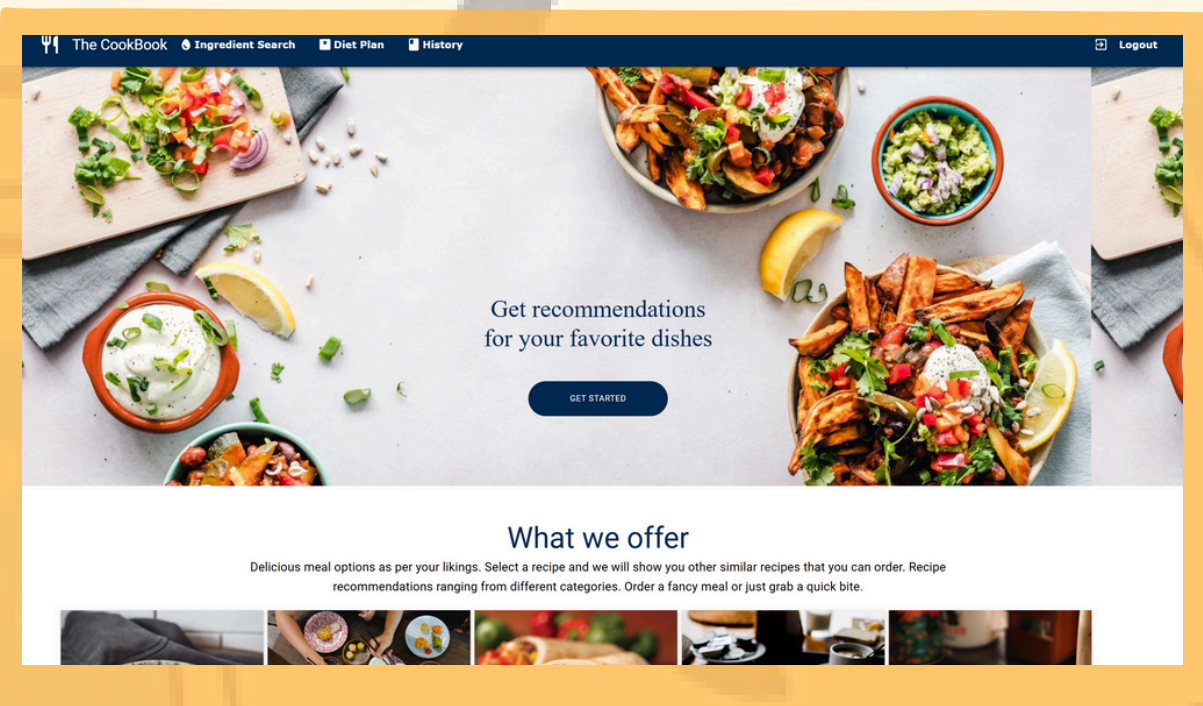
Notes	Self Assesment (Total = 103/105)	evidence
Evidence that the members of the team are working across multiple places in the code base	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/commits/master/">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/commits/master/</a>
Short release cycles	3	<a href="https://tender-vision-production.up.railway.app/recipeByIngredient">https://tender-vision-production.up.railway.app/recipeByIngredient</a> Every time something is pushed or merged into master the railway service builds the application and deploys it.
The file .gitignore lists what files should not be saved to the repo. See [examples]( <a href="https://github.com/github/gitignore">https://github.com/github/gitignore</a> )	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/.gitignore">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/.gitignore</a>
The file INSTALL.md lists how to install the code	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/INSTALL.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/INSTALL.md</a>
The file LICENSE.md lists rules of usage for this repo	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/LICENSE.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/LICENSE.md</a>
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see <a href="#">example</a>	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/CODE-OF-CONDUCT.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/CODE-OF-CONDUCT.md</a>
The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see <a href="#">example</a>	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/CONTRIBUTING.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/CONTRIBUTING.md</a>
The file README.md contains all the following	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommendender/blob/master/README.md</a>

Notes	Self Assesment (Total = 103/105)	evidence
Video	3	<a href="https://www.youtube.com/watch?v=0IJG0-tvfvI">https://www.youtube.com/watch?v=0IJG0-tvfvI</a>
DOI badge: exists. To get a Digital Object Identifier, register the project at <a href="https://zenodo.org/">Zenodo</a> . DOI badges look like this:	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>
Badges showing your style checkers	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>
Badges showing your code formatters.	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>
Badges showing your syntax checkers.	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>
Badges showing your code coverage tools	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>
Badges showing any other Other automated analysis tools	3	<a href="https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md">https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender/blob/master/README.md</a>



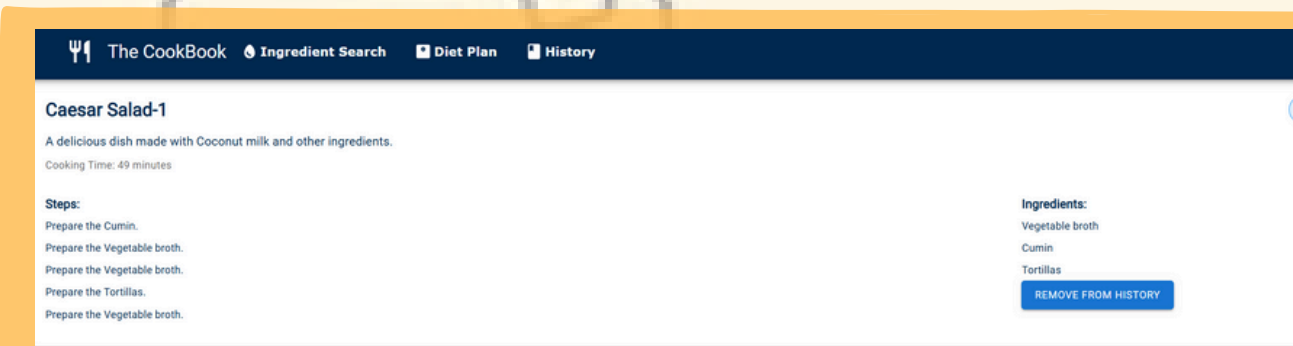
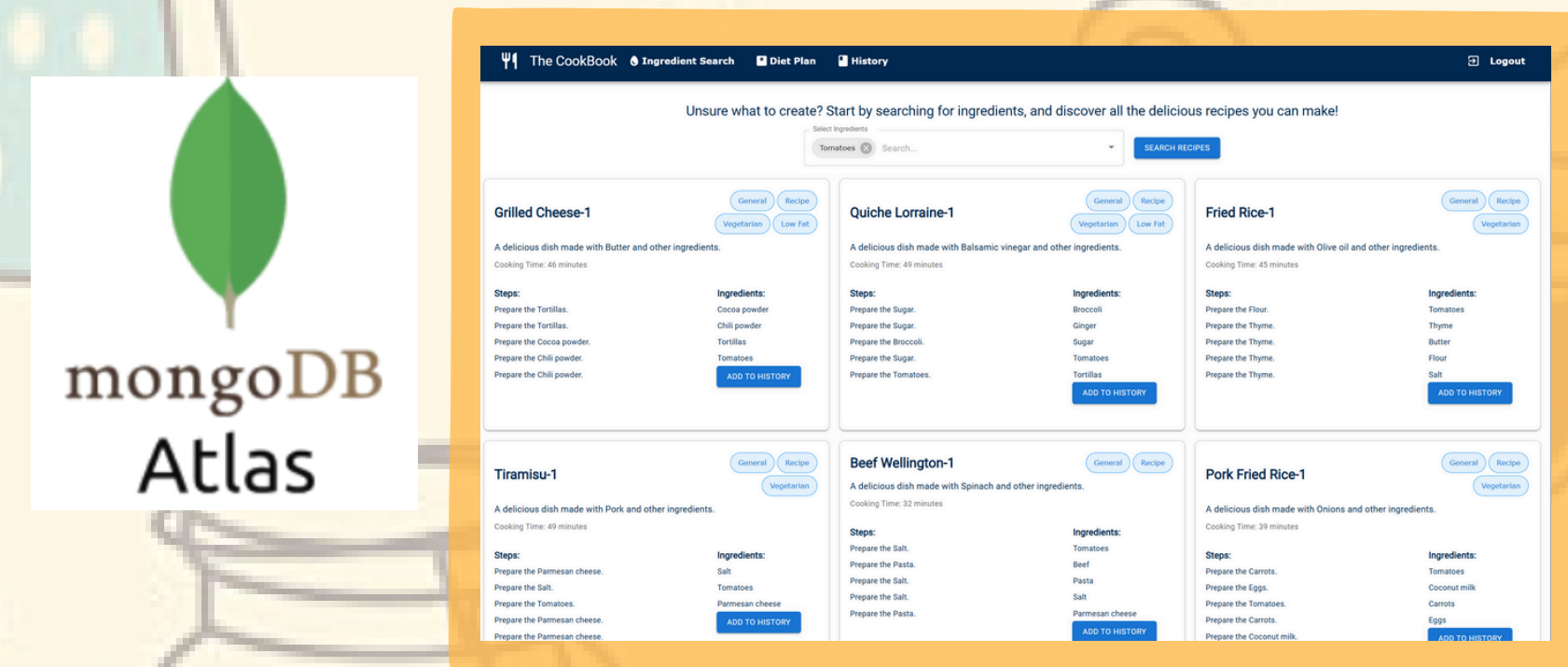
# THE COOKBOOK

A one stop website for all your cooking assistance with the grocery in your fridge  
Become the masterchef you have always dreamt of



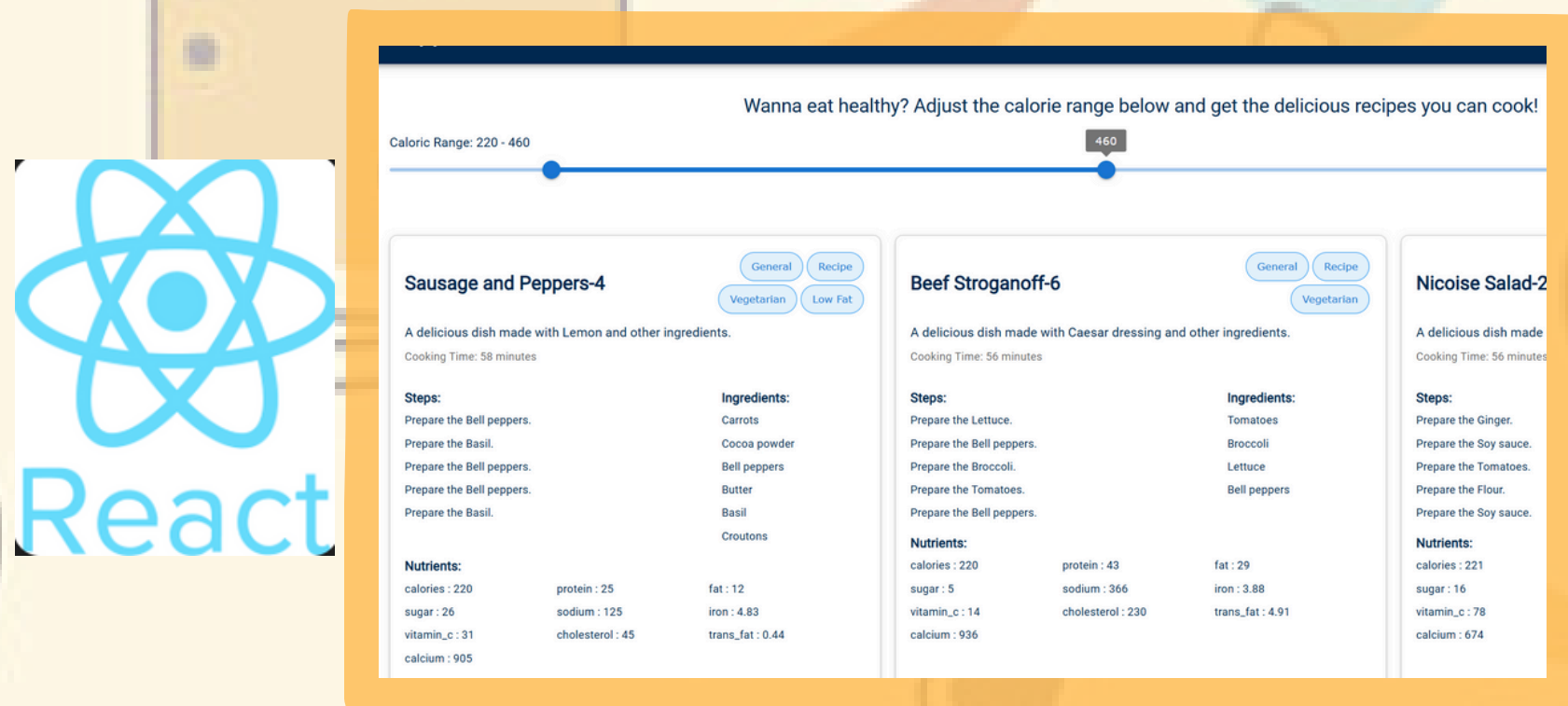
## IMPROVEMENT MADE

1. Diet Planner Integration: A diet planner was developed that provided personalized meal plans based on users' nutritional needs and preferences. This involved ensuring that all recipes in the database included comprehensive nutritional information and creating an interface for users to log their meals and assess their alignment with their nutritional goals.
2. Historical Meal Tracking: A feature was implemented that enabled users to save their past meals, providing valuable insights into their eating patterns.
3. Ingredient-Based Recommendations: A system was developed that suggested recipes based on users' available ingredients, allowing them to identify what they could cook. Users were able to list their available ingredients, which were mapped to recipes in the database, with the system prioritizing recipes that utilized the greatest number of those ingredients



## FUTURE SCOPE

1. Ordering Functionality: Introduce options for users to place meal and ingredient orders directly through the app. A catalog of meals will be available for users, and orders can be managed and viewed by an administrator.
2. Nutritional Information: Expand the ingredient database by adding additional international and varied items as well as nutritional data for both ingredients and recipes.
3. Recipe scaling and conversion: Adding unit conversion for users from other countries and implementing a feature that allows recipes to be scaled according to serving sizes
4. Audio Tutorial: Audio Tutorial: Since it is simpler to hear and follow directions than to read them, provide audio reading access so that the recipe can be read aloud to the cook. Make it interactive so that the software will determine the next step for you.



## TEST CASES

Frontend Tests: The frontend tests focus on component rendering and user interactions. They use Jest and React Testing Library to verify the correct display of UI elements, handle user inputs, and test component behavior like searching for recipes and adding/removing from history.

Backend Tests: While not directly visible in the provided files, backend tests likely cover API endpoints, database operations, and the recipe recommendation algorithm. These tests would ensure proper data handling, user authentication, and accurate recipe retrieval based on ingredients.

Integration Tests: The test files include some integration testing, particularly in the NavBar component tests. These verify that certain UI elements appear or disappear based on the application state, such as the presence of a user token.



SCAN ME FOR DEMO!

## TEAM MEMBERS:

Swaraj Kaondal  
Sai Sameer Guttha  
Shourya Nanda Kumar

<https://github.com/SE-Fall-2024-Team-52/SE-Project-Recipe-Recommender>  
<https://tender-vision-production.up.railway.app/>