Interactive Recipe Application using Node.js and Vue.js/React.js

Objective:
The objective of this assignment is to assess your skills as a full-stack developer with experience in Node.js and either Vue.js or React.js. You will be required to build an interactive recipe application that allows users to search for recipes, view details, and save their favorite recipes. The assignment will focus on creating a responsive user interface, implementing data retrieval from a third-party API, and managing user preferences.

Requirements:

Backend Development
- Create a Node.js server using Adonis.js (preferred) or Express.js MVC.
- Implement RESTful API endpoints to handle recipe search and user preferences.
- Integrate with a third-party API (e.g., Spoonacular API https://spoonacular.com/food-api to fetch recipe data based on user searches.
- Implement user registration and authentication using OAT.
- Store user preferences (e.g., saved recipes) in a database of your choice (e.g., MySQL/Postgres).

Frontend Development
- Choose either Vue.js (preferred) or React.js for the frontend development.
- Design and implement a user interface that allows users to search for recipes using keywords or filters.
- Display search results with relevant recipe information (e.g., title, image, summary).
- Implement a recipe details page that displays additional information such as ingredients, instructions, and nutritional information.
- Allow users to save their favorite recipes and view their saved recipes.
- Implement responsive design and ensure cross-browser compatibility.

Additional Features
- Use Git for version control and maintain a well-structured repository.
- Write clean, maintainable, and documented code, following best practices and industry standards.
- Implement error handling and provide meaningful error messages to the user.
- Implement loading indicators during API calls and other asynchronous operations.
- Implement pagination or infinite scrolling for search results (optional but recommended).
- Enhance the user experience with features like sorting, filtering, and categorization of recipes (optional).

Reorder Saved Recipes
- Allow users to drag and rearrange their saved recipes in their preferred order.
- Ensure changes are persisted in the database, so the order remains the same when the user logs in again.
- Use drag-and-drop functionality for reordering recipes within the UI.

Submission Guidelines:
1. Create a new GitHub repository for your project and commit your code regularly.
2. Include a README.md file with instructions on how to set up and run your application locally.
3. Fill out the submission form at [Google Forms](#) and provide any other relevant information to the evaluator.

Evaluation Criteria:
1. Fulfillment of the assignment requirements.
2. Code quality, including organization, structure, readability, and documentation.
3. User interface design and responsiveness.
4. Implementation of server-side functionality and integration with the third-party API.
5. User authentication and storage of user preferences.
6. Proper use of version control (Git) and project structure.
7. Implementation of the "Reorder Saved Recipes" feature.
8. Deployment and overall user experience.

Note:
- You are free to use any additional libraries or frameworks you deem necessary to accomplish the task.
- Feel free to ask any questions for clarification or guidance.
- Please adhere to best practices and industry standards while working on this assignment.
- Plagiarism or using pre-existing projects will result in disqualification.