RideCo Interview Activity

Dear Applicant,

We sincerely appreciate your interest in working with us. The following mini-project has been designed by the RideCo team to determine if you would be a good fit for the Full Stack Developer role at the company. We encourage you to spend some time thinking about how you would solve the problem before you start coding a solution. You can take up to one week to complete the challenge; we will not evaluate your solution based on the time it takes you to prepare the response.

Mini-project Requirements

- Write a web application to allow someone to make/edit a grocery list.
- The user will create, edit, and delete grocery items. They may also be marked as purchased.
- The application will be used to manage the groceries of 1 family only.

Scoring

Your submission will be scored against a rubric. A submission needs 12 points (60%) to pass. You are free to achieve this score any way you like.

- **Code quality (5 points)**: Does your code have sensible variable names and comments? Is it well-formatted? Is it tested? Show your best work.
- **Solution quality (5 points)**: How good is the actual app? Is it easy to use? Is the UI responsive? Does it work on a mobile device? Will you include any bonus features?
- **Architectural quality (5 points)**: Will you separate frontend and backend code? Can you deploy the app to AWS/Azure/GCP/Heroku? Do you know Docker? The easier we can see your work, the more points you will get.
- **Discussion document (5 points)**: Can you list the possible improvements that you can implement given more time? What if we want to share our list with family members? How do we scale the project to a million users? The more discussion points, the better.
  - Please discuss at least one possible improvement.

Submission Notes

- The submission must be created by you.
- Your source code needs to be accessible by us. It may be returned in a zip file, a git bundle, or URLs to your **public** git repositories.
- Brief instructions on how to set up the project. Remember, if we can load your project by just running "docker-compose up", you get extra points for Architectural quality.