

# DUCK INFO TRACKER

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## Approach to the Problem:

- **Here is my step-by-step approach to the Problem:**
  - Understand the problem
  - Identify the technologies (framework, code editor, version control) needed to solve the problem
  - Install and link all these technologies and make sure they are up-to-date
  - Break down the application into smaller components for organization and easy debugging
  - Test each component before proceeding to the next component to make sure it works
  - Commit and push the working changes to Git for tracking
  - Assemble all components into one and test it as a whole
  - Build the application and merge the development branch to main branch

## Technologies Used:

- **Front-end:**
  - **React** - I have used React before for single page application framework and it is easy to use because of its reusable components and documentation
- **Back-end:**
  - **JSON Server** - I found a dummy REST API in GitHub used for creating back-end in simple web applications (<https://github.com/typicode/json-server>)
- **Code Editor:**
  - **VS Code** - I have been using VSCode during school until now at my work because of the features and extensions that can be used for code organization

## Hours Spent:

- I would say roughly **6-7 hours** to create this web application including the planning, coding, testing and documentation.