# FullStack Lab 1 Report

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This lab felt like an extension of Lab 2 from the frontend course due to how the frontend part of this lab works. But in addition to that this time we obviously also had the backend part where we use MondoDB to store data.

## Challenges:

For this task I would say my biggest challenge was to get the Update functionality to work. The Add, Read and Delete functionality were fairly simple compared to the update functionality because in those we were just storing, displaying or deleting information, but in update we had to extract the data from the database, make changes into the data, send it back to the database where it'd update the stored data. To address this issue I took help from various online sources like YouTube, GeeksforGeeks, ChatGPT, and I ended up with a short and simple code for it. Below I have attached a screenshot of my part of code which contains the update route.

```javascript
// Update a recipe
router.put('/recipes/:id', async (req, res, next) => {
  try {
    const recipe = await Recipe.findByIdAndUpdate(req.params.id, req.body, { new: true });
    if (!recipe) {
      return res.status(404).send('Recipe not found');
    }
    res.send(recipe);
  } catch (err) {
    next(err);
  }
});
```

Here, I used router.put() which defined a new 'PUT' route for the specified path (/recipe/:id). The :id part here  is a route parameter that represents the ID of

the recipe to be updated.

```javascript
async function editRecipe(id) {
  const response = await fetch(`/api/recipes/${id}`);
  const recipe = await response.json();
  document.getElementById('recipeId').value = recipe._id;
  document.getElementById('title').value = recipe.title;
  document.getElementById('ingredients').value = recipe.ingredients.join(', ');
  document.getElementById('instructions').value = recipe.instructions;
  document.getElementById('cookingTime').value = recipe.cookingTime;
}
```

And this is the javascript code for the frontend part of the update functionality. This code retrieves data and fills them in the form for us which we can then edit and the changes made will be saved to the database.

This is the GitHub link to my code:

https://github.com/Kavish1202/Recipe-App