GROUP PERFORMANCE TEST.#1: DEVELOPMENT OF A RESTFUL API

TOPICS INCLUDED:

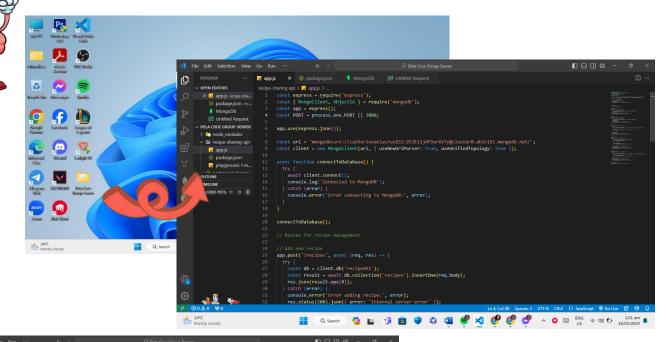
- Setup and HTTP Request
- Handling Input Validation, Post, Put, Delete Requests
- Mongoose, MongoDB, CRUD

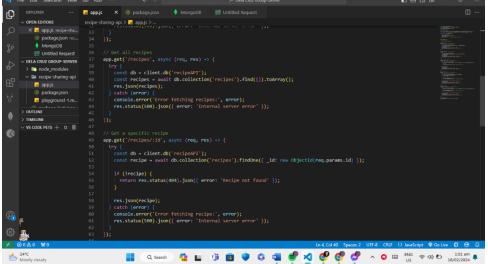
Submitted By:Famille Decena
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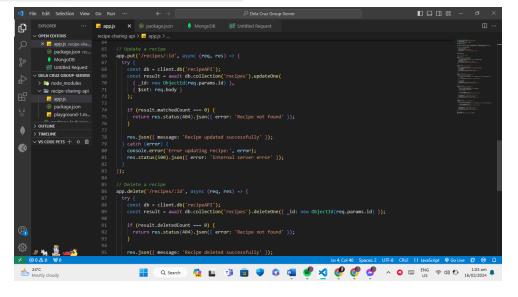


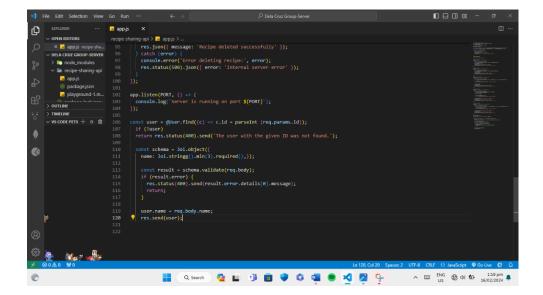
Ensure that your Recipe Sharing API project is completed and thoroughly tested.

Make sure all required functionality is implemented, and your code is welldocumented and organized.

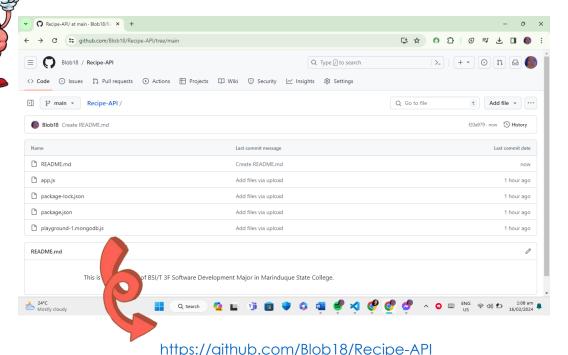








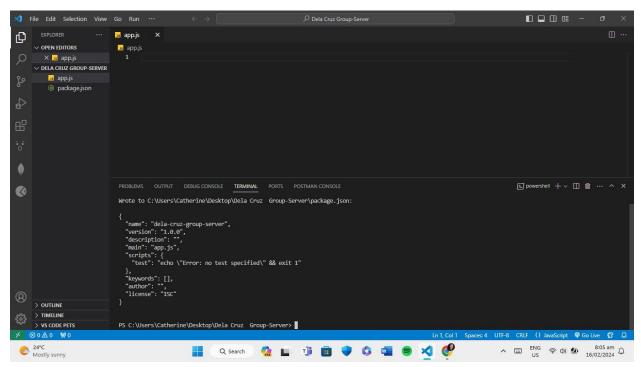
♣ Set up a Git repository (e.g., on GitHub, GitLab, Bitbucket) to host your project code. Initialize the repository with your project files, including the source code, not be documentation, and any additional resources.



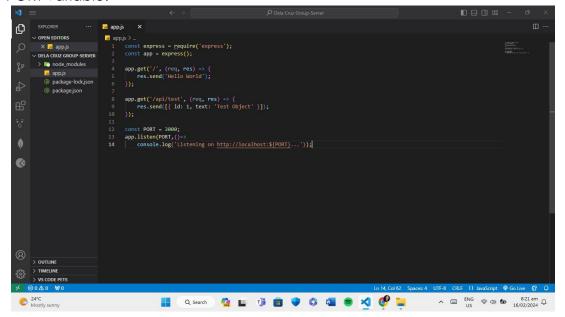


HOW DO WE SET UP THE HTTP REQUEST?

We download first and install the node.js. After downloading we create our own folder in desktop and we named it as "Dela Cruz Group-Server" and inside the folder that we create a new file call app.js, we use visual studio code by the way



We also install the nodemon package using the npm command, the nodemon environment should be capture any changes on our code base. So after we install the nodemon we run the command nodemon app.js and then we update the PORT variable.



THE HTTP GET REQUEST

```
// Get all recipes
app.get('/recipes', async (req, res) => {
    try {
        const db = client.db('recipeAPI');
        const recipes = await db.collection('recipes').find({}).toArray();
        res.json(recipes);
    } catch (error) {
        console.error('Error fetching recipes:', error);
        res.status(500).json({ error: 'Internal server error' });
    }
}
});
// Get a specific recipe
app.get('/recipes/:id', async (req, res) => {
        try {
            const db = client.db('recipeAPI');
            const db = client.db('recipeAPI');
            const recipe = await db.collection('recipes').findOne({ _id: new ObjectId(req.params.id) });
        if (!recipe) {
                  return res.status(404).json({ error: 'Recipe not found' });
        }
        res.json(recipe);
        catch (error) {
              console.error('Error fetching recipe:', error);
              res.json(recipe);
              res.status(500).json({ error: 'Internal server error' });
        }
}
}
}
```



THE HTTP UPDATE REQUEST

```
// Update a recipe
app.put('/recipes/:id', async (req, res) => {
  try {
    const db = client.db('recipeAPI');
    const result = await db.collection('recipes').updateOne(
        { _id: new ObjectId(req.params.id) },
        { $set: req.body }
    );
    if (result.matchedCount === 0) {
        return res.status(404).json({ error: 'Recipe not found' });
    }
    res.json({ message: 'Recipe updated successfully' });
    } catch (error) {
        console.error('Error updating recipe:', error);
        res.status(500).json({ error: 'Internal server error' });
    }
});
```

THE HTTP DELETE REQUEST

```
// Delete a recipe
app.delete('/recipes/:id', async (req, res) => {
    try {
        const db = client.db('recipeAPI');
        const result = await db.collection('recipes').deleteOne({ _id: new ObjectId(req.params.id) });
    if (result.deletedCount === 0) {
            return res.status(404).json({ error: 'Recipe not found' });
        }
        res.json({ message: 'Recipe deleted successfully' });
    } catch (error) {
        console.error('Error deleting recipe:', error);
        res.status(500).json({ error: 'Internal server error' });
    }
});
```



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