

Instructions:

- This exercise carries 50 points.
- The exercise contains Description of the problem, requirement, hint and expected output.
- Read the instruction clearly before practicing the exercises.
- The answers must be named after the naming convention mentioned in each exercise.
- Each exercise done by student is expected to meet the learning outcome mentioned in each exercise.
- All the exercises must be completed on time.
- You may discuss about the problem conceptually with the trainer or fellow students or from internet **however getting direct answers or copying code from others or from internet is strictly prohibited.**
- All the exercise files must be submitted to google classroom.
- All the exercises will be evaluated and points will be updated by the end of the bootcamp.
- Based on the points obtained by each student the overall ranking will be prepared.
- **All the documents (including this document) used in this bootcamp are sole properties of KIT and for internal purposes only. Must not be shared to anyone outside of this bootcamp.**

EXERCISE 01:**Description:****Setting up the front-end:**

- Work with the same project you have created before to work with the server side. Create a new folder and name that client.
- Install Vue-cli and run the Vue front end server at the default port.
- Connect with the express. Read the task list and display in the Vue front end via the API you have created with express – On page load.
- Create a form with a text input and a button insert. Clicking the button must insert the new task in the database via the API you have created with express.
- Double clicking on any task should delete the task from the front end and also from the MongoDB via the API you have created with express.
- Create an account in Heroku and create a new project.
- Optimize the project you have created in VSCode to host in Heroku(Separating static assets, creating public folder in the server folder that is created for backend. **Note client folder won't be identified by Heroku server**)
- Host your application in Heroku.

Requirements:

- The entire project must be uploaded to Git Hub and the URL of the project must be submitted in the Google classroom.
- The URL of the live app to be submitted in the google classroom.

Expected Outcome:

To be able to connect Vue with Backend express.

To be able to configure the project for Heroku deployment.

To be able to host the app in Heroku.

ALERT

Make sure that you follow all instructions properly. Be aware that each character is important. Upload your solutions for all the exercises on the google classroom created and shared with you.