Dev Task

**NodeJS Backed**

# Create a nodeJS Express server Install mysql for nodejs and connect.

**Create modular routes for ‘/students’ & ‘/parents’**

**‘/students' route create**

//add new student (name, grade, parentID)

## -post-

‘/add’

//search student and delete

## -delete- ’/:id/remove’

//search student and update

## -put- ’/:id/update’

//get student info including parent info and sibling (include array of their data e.g. name, grade)

## -get- ‘/:id/info’

**‘/parents' route create**

//add parent (name, occupation)

## -post-

‘/add’

//search parent and remove parent and remove his children

## -delete- ’/:id/remove

//get info including array of children (include children info name, grade)

## -get- ‘/:id/info’

**Create mysql tables accordingly**

Student (ID, Name, Grade,ParentID)

sample data : 1 ,Hassan Ahmed, 4A, 1

## Parent (ID, Name ,Occupation)

sample data: 1, Ahmed Ali, Developer

# ReactJS Frontend

## Install axios to communicate with NodeJS Backed Create Frontend in ReactJS

Using Material UI is a bonus but not required.

You can use either Functional or Class Components.