## A TASK 1:

Implement a very basic application with a web-frontend and backend service..

1.1)   Create Micro-Service for Validation of Mobile Number: ✅

  Create a micro service in which you need to pass any mobile number then that will give you the details of mobile number like: country code and operator name,

What you need to do:

Check that number is valid or not, if its not valid your API should give invalid number response

If number is valid then you need to get details of the number,  details contains only country code, country name and operator name

Here is the sample request and response

Request: mobile number

Response:

{

countryCode:””,

countryName:””,

operatorName:””

}

Note: You can use any third party API to Get details of number but make sure it can support all country numbers, and make this API as micro-service

1.2) Develop ADD Item API: ✅

Item info like, name, description, and mobile Number (optional)

Note: in order to validate mobile number you need to consume your micro-service that you created 1.1

1.3) Develop Update Item API: update by id ✅

1.4) Develop Delete Item API:  delete by id ✅

1.5) Develop Get All Item API:  get all information✅

1.6) Develop web page:

 Make web page and integrate API from 1.2 to 1.5 in your web page.

Technology:

* For API integration, in front-end you need to use REACT ✅
* For backend, use Node.js, MongoDB ✅
* Please don’t focus on web design , you need to just focus on functionality ✅
* Push the code to GIT

Deliverable:

1. Micro-Service. For Validation of Mobile Number (Only 1 API) ✅
2. Add, Update, Delete and Get Item Rest API’s (only 4 API’s) ✅
3. Web Page from which you can perform Add, Update, Delete and Get Customer. ✅

## TASK 2:

Please write some automated testing scenarios to cover the core functionality of your application.

## TASK 3:

Create very basic documentation for your code. API documentation also instructions to run your code if someone does not know the specific language you are using. Please also point out parts of your code that are highly efficient and parts that should be improved with more time investment. Imagine like you would hand over your work to a newbie software developer colleague.

## TASK 4 (BONUS):

This task is a bonus task if time is left. Add category (Id, name )

And make the items belong to this category

## TASK 5 (BONUS):

This task is a bonus task if time is left. Pack your solution into a Docker image including instructions to run/deploy the container.

For any questions related to task

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