

TECHNOKART CONSULTANCY SERVICES

MERN STACK Task

- **Description** – Create an API which would accept 3 parameters.

1. InvoiceDate.
2. Invoice Number.
3. Invoice Amount.

Based on the Invoice date, it should be Categorized into respective financial year. For a financial year, only 1 type of invoice number can be created. For e.g.

- Invoice number 1 can be created for FY-2022 – 23 only once, but I can also create Invoice number 1 for another financial year.
- You have to store these details in the db (Mongodb Atlas). The logic to store the data would be as follows -
- The Invoice date should not be greater than the invoice date of previous or next invoice number. E.g.
 - Invoice number 1 has invoice date 3rd July 2022.
 - Invoice number 3 has invoice date 5th July 2022.
 - So, when I put invoice number 2, it's date should lie between 3rd July and 5th July, such validation should be there at the backend.
- Also, a clean code, commented code is a plus, along with Readme.md for documentation.

- Create an React application which would perform these operations from the frontend. Create an intuitive UI (can use Material UI or any other UI if required).
- On the Invoice Dashboard, filters required
 - Based on financial year
 - Search based on invoice number
 - Filter between dates

(Note: All these filters can be used with each other, so create the API accordingly)

- You have to create the end points such as
 1. Enter new invoice details.
 2. Update a specific invoice based on invoice number
 3. Delete a specific invoice based on invoice number
 4. Get all invoices stored in the db
 5. Filter API

Upload your code to your github profile, make sure the repository is private and access to be granted when and to whom accordingly.