

## Dokumentasi Test Fullstack Developer untuk Back End Developer

Andre Laurent

### Requirements:

1. Sebuah script create table product, (Mandatory)

```
1 CREATE TABLE products (  
2     ProductCode    VARCHAR(255),  
3     ProductName    VARCHAR(255),  
4     SubCategory    VARCHAR(255),  
5     Brand          VARCHAR(255),  
6     RetailPrice    INT,  
7     ProductStatus  VARCHAR(255)  
8 );
```

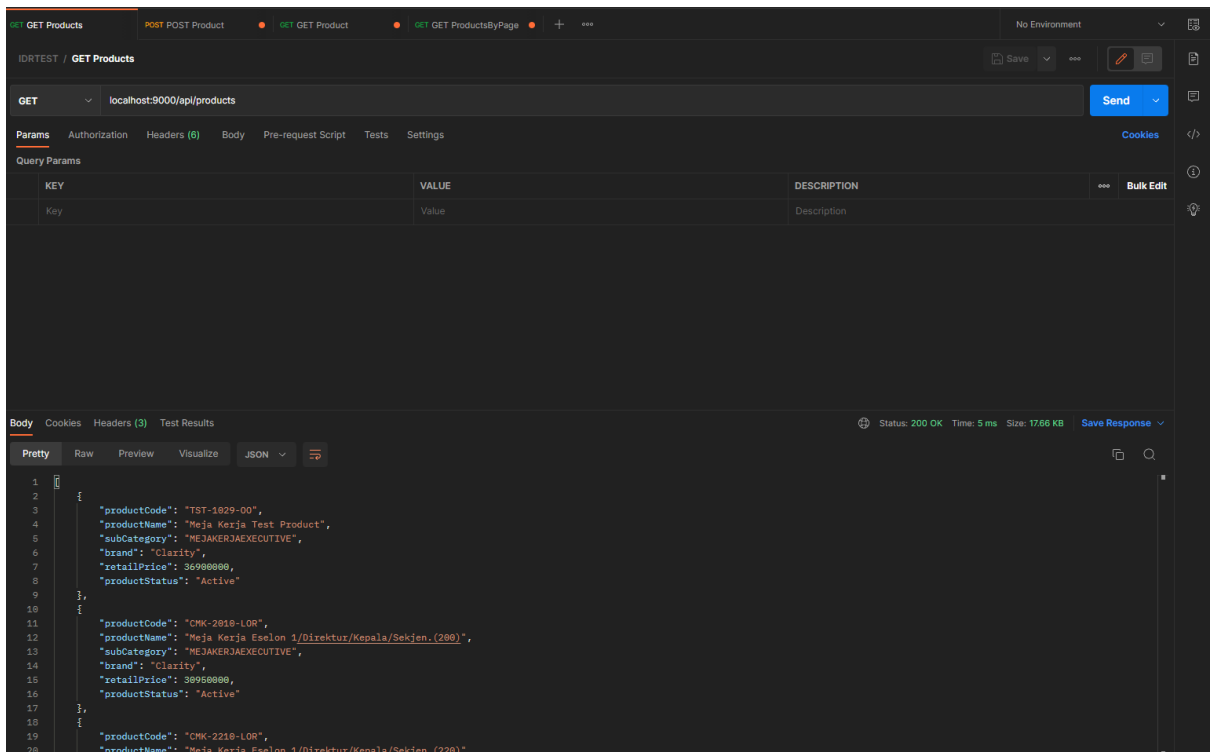
2. Sebuah script/stored procedure untuk populate table dengan data random secara otomatis (Mandatory)

```
1 DELIMITER //  
2  
3 CREATE PROCEDURE insertProducts(IN pproductcode VARCHAR(255), IN pproductname VARCHAR(255), IN psubcategory VARCHAR(255), IN pbrand  
4     VARCHAR(255), IN RetailPrice INT, IN pproductstatus VARCHAR(255))  
5 BEGIN  
6     INSERT INTO products(ProductCode, ProductName, SubCategory, Brand, RetailPrice, ProductStatus)  
7     VALUES(pproductcode, pproductname, psubcategory, pbrand, pretailprice, pproductstatus);  
8 END //  
9  
10 DELIMITER ;
```

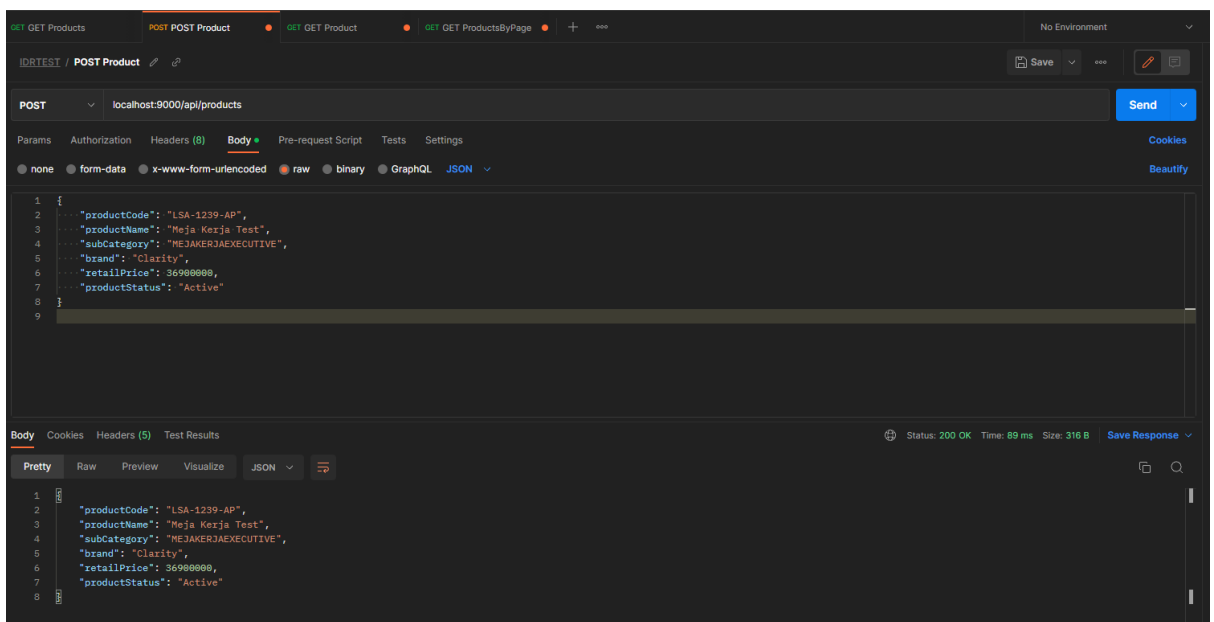
3. Service backend untuk load data dari table dengan fitur pagination (Mandatory)

File project lampiran golang

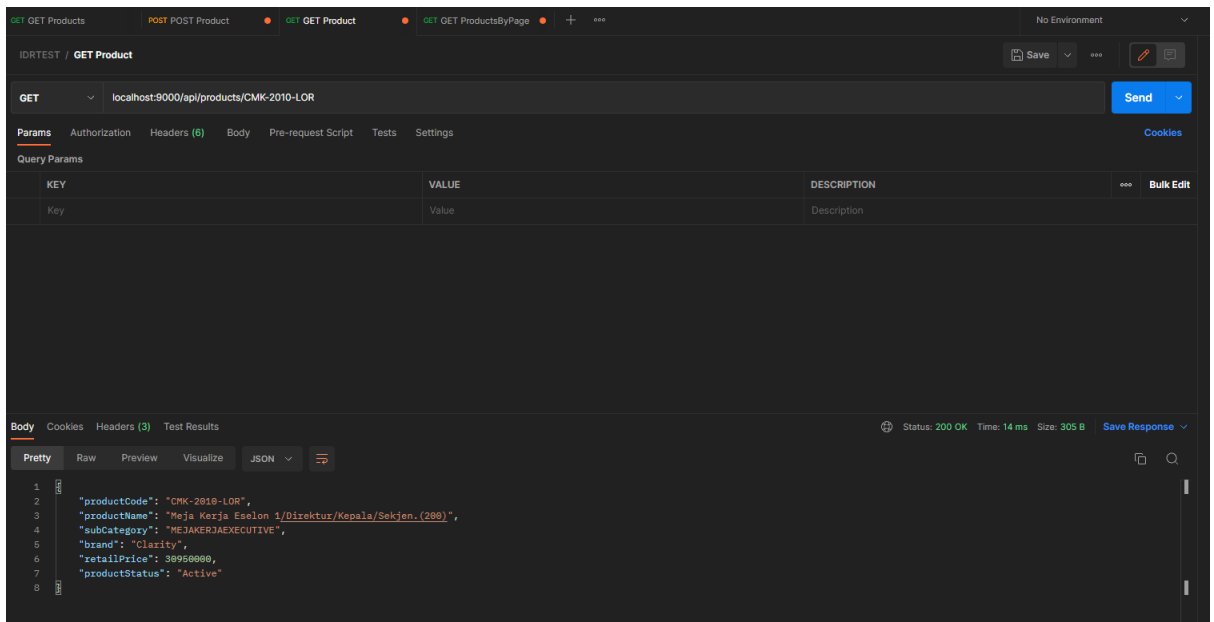
4. Dokumentasi endpoint dengan contoh body request dan responsenya (Mandatory)



Endpoint GET All Products  
Untuk menampilkan semua data dalam database

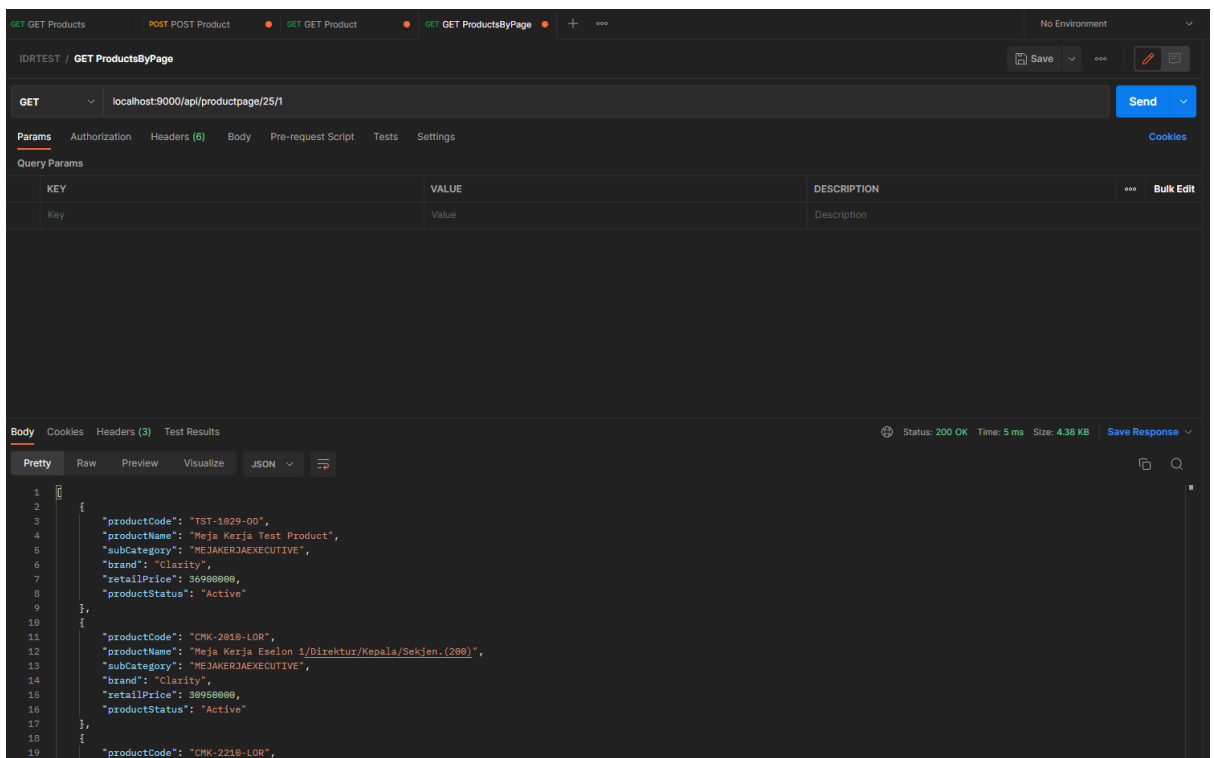


Endpoint POST Product  
Untuk post sebuah data ke dalam database



## Endpoint GET Product By Code

Untuk mendapatkan sebuah produk yang difilter dengan Product Code



Endpoint GET Produk Pagination dengan parameter.

(localhost:9000/api/productpage/'jumlah data per halaman'/'index halaman')

5. Front end UI listing data dengan fitur pagination sesuai mockup (Optional)

Home

Product Master

Product

## Products

PRODUCT CODE	PRODUCT NAME	SUB CATEGORY	BRAND	RETAIL PRICE	PRODUCT STATUS
TST-1029-OO	Meja Kerja Test Product	MEJAKERJAEEXECUTIVE	Clarity	36900000	Active
CMK-2010-LOR	Meja Kerja Eselon 1/Direktur/Kepala/Sekjen.(200)	MEJAKERJAEEXECUTIVE	Clarity	30950000	Active
CMK-2210-LOR	Meja Kerja Eselon 1/Direktur/Kepala/Sekjen.(220)	MEJAKERJAEEXECUTIVE	Clarity	34770000	Active
FWM-6408-OGS	Meja Kerja	MEJAKERJAEEXECUTIVE	Ebert Group	31273487	Nonactive
MZF-2971-BLX	Meja Gaming	MEJAGAMINGEXECUTIVE	Donnelly-Abernathy	32759155	Nonactive
KKF-1929-KZW	Meja Gaming	MEJAGAMINGEXECUTIVE	Turcotte and Sons	29240334	Active
STU-3002-NDD	Meja Gaming	MEJAGAMINGEXECUTIVE	Hartmann and Sons	32121886	Nonactive
ICK-4423-ICH	Kursi Gaming	KURSIGAMINGEXECUTIVE	Larkin-Macejkovic	37501368	Nonactive
EKT-2574-LMI	Kursi Gaming	KURSIGAMINGEXECUTIVE	Abbott, Kilback and Lebsack	28978235	Nonactive
AFJ-2745-IXT	Meja Gaming	MEJAGAMINGEXECUTIVE	Auer-Spencer	21792653	Nonactive

< 1 2 3 4 5 6 7 8 9 10 11 >

## 6. Menampilkan data secara efisien pada UI sesuai mockup (Optional)

### Products

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ICK-4423-ICH	Kursi Gaming	KURSIGAMINGEXECUTIVE	Larkin-Macejkovic	37501368	Nonactive
EKT-2574-LMI	Kursi Gaming	KURSIGAMINGEXECUTIVE	Abbott, Kilback and Lebsack	28978235	Nonactive
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< 1 2 3 4 5 6 7 8 9 10 11 >

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### Products

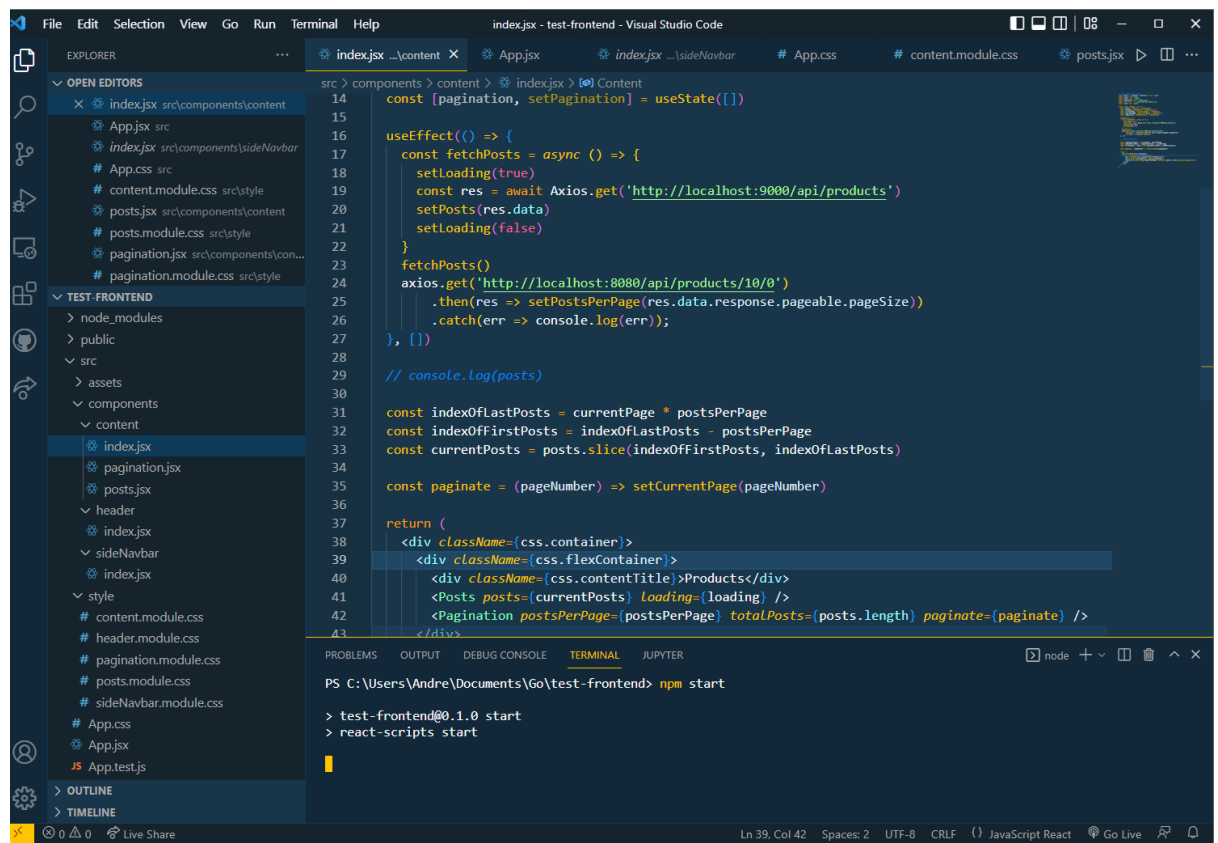
PRODUCT CODE	PRODUCT NAME	SUB CATEGORY	BRAND	RETAIL PRICE	PRODUCT STATUS
WSH-6446-EIZ	Kursi Gaming	KURSIGAMINGEXECUTIVE	Schumm, Green and Gorczany	22712824	Active
SBD-2759-JGT	Meja Gaming	MEJAGAMINGEXECUTIVE	D'Amore-Bins	28894176	Nonactive
GZS-4560-MOS	Meja Gaming	MEJAGAMINGEXECUTIVE	Denesik-Davis	20101934	Nonactive
UPG-9088-TBW	Meja Kerja	MEJAKERJAEEXECUTIVE	Green Inc	28190913	Nonactive
DWS-3395-FAO	Meja Kerja	MEJAKERJAEEXECUTIVE	Murphy, Kautzer and Ernser	25536499	Nonactive
FMC-5967-FXK	Kursi Gaming	KURSIGAMINGEXECUTIVE	Welch, Balistreri and Wuckert	37790317	Active
WBV-1265-IRF	Meja Gaming	MEJAGAMINGEXECUTIVE	Schuppe LLC	39574669	Nonactive
WJM-2781-BGJ	Kursi Kerja	KURSIKERJAEEXECUTIVE	Parisian-Fisher	32911774	Active
ZOF-4211-NLY	Meja Gaming	MEJAGAMINGEXECUTIVE	Torp-Armstrong	30807921	Active
SSX-9010-SZJ	Kursi Kerja	KURSIKERJAEEXECUTIVE	Feil, Nitzsche and Cummerata	25819134	Active

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Dan seterusnya

## 7. Dokumentasi untuk setup dan running semua project diatas. (Optional)



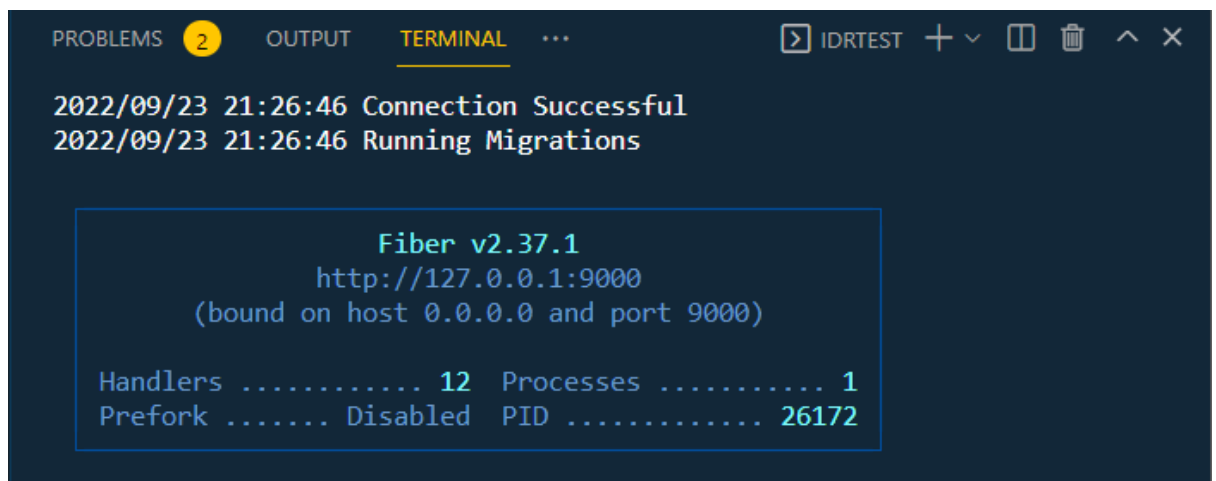
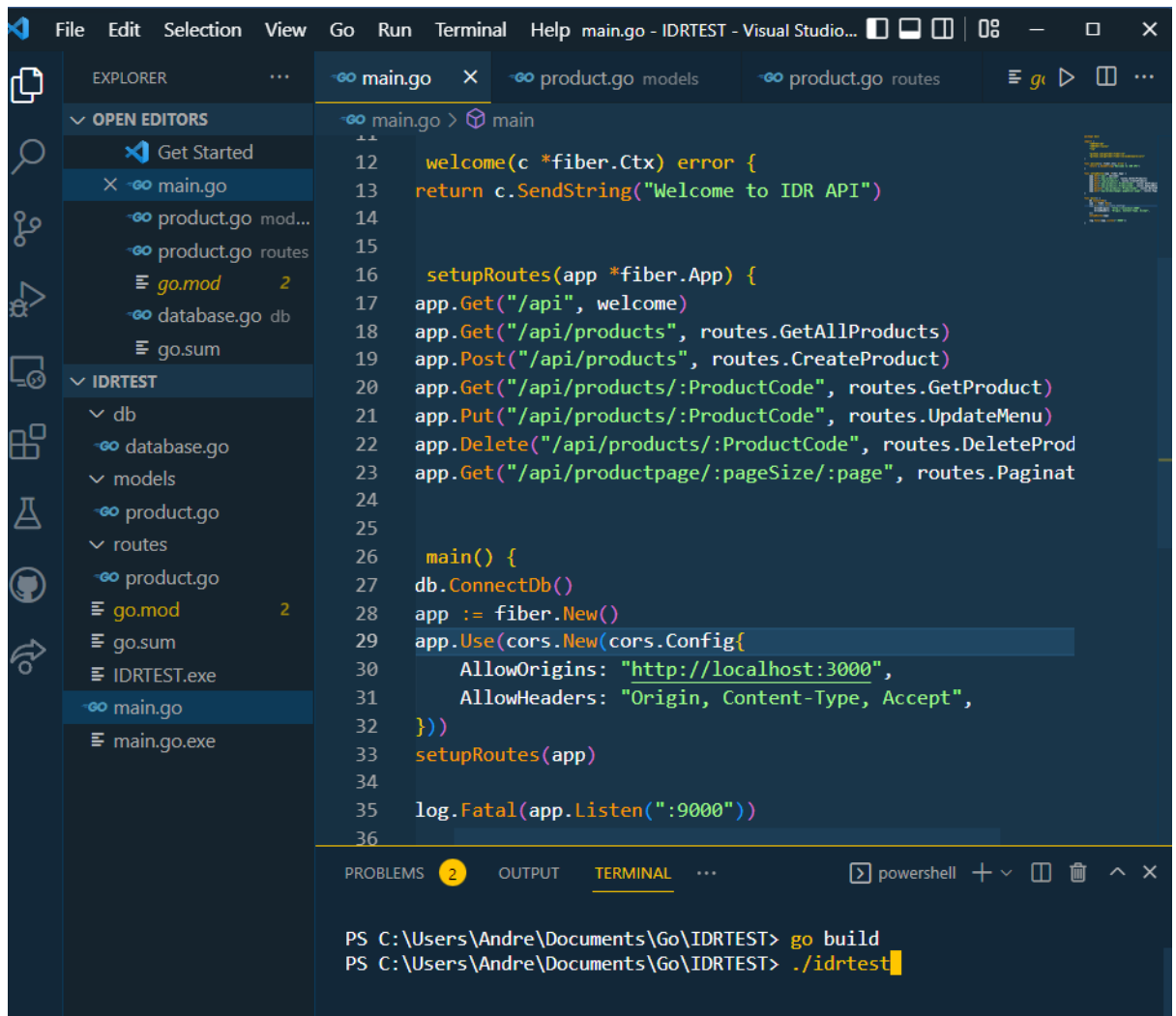
```
File Edit Selection View Go Run Terminal Help
index.jsx - test-frontend - Visual Studio Code

EXPLORER
OPEN EDITORS
  index.jsx src/components/content
  App.jsx src
  index.jsx src/components/sidebar
  App.css src
  content.module.css src/style
  posts.jsx src/components/content
  posts.module.css src/style
  pagination.jsx src/components/con...
  pagination.module.css src/style
TEST-FRONTEND
  node_modules
  public
  src
  assets
  components
    content
      index.jsx
      pagination.jsx
      posts.jsx
    header
      index.jsx
    sidebar
      index.jsx
  style
  content.module.css
  header.module.css
  pagination.module.css
  posts.module.css
  sidebar.module.css
  App.css
  App.jsx
  App.test.js
  OUTLINE
  TIMELINE

src > components > content > index.jsx > Content
14 const [pagination, setPagination] = useState([])
15
16
17 useEffect(() => {
18   const fetchPosts = async () => {
19     setLoading(true)
20     const res = await Axios.get('http://localhost:9000/api/products')
21     setPosts(res.data)
22     setLoading(false)
23   }
24   fetchPosts()
25   axios.get('http://localhost:8080/api/products/10/0')
26     .then(res => setPostsPerPage(res.data.response.pageable.pageSize))
27     .catch(err => console.log(err));
28 }, [])
29
30 // console.log(posts)
31
32 const indexOfLastPosts = currentPage * postsPerPage
33 const indexOfFirstPosts = indexOfLastPosts - postsPerPage
34 const currentPosts = posts.slice(indexOfFirstPosts, indexOfLastPosts)
35
36 const paginate = (pageNumber) => setCurrentPage(pageNumber)
37
38 return (
39   <div className={css.container}>
40     <div className={css.flexContainer}>
41       <div className={css.contentTitle}>Products</div>
42       <Posts posts={currentPosts} Loading={loading} />
43       <Pagination postsPerPage={postsPerPage} totalPosts={posts.length} paginate={paginate} />
44     </div>
45   </div>
46 )
```

```
PS C:\Users\Andre\Documents\Go\test-frontend> npm start
> test-frontend@0.1.0 start
> react-scripts start
```

## Running ReactJS



Running Go Lang Server

Project dibuat dengan:

Backend : Golang, dengan framework fiber dan ORM GORM.

Frontend : dibuat dengan ReactJS