"Marketplace Technical Foundation - [Car-Rental Website]"

Day 3: API Data Migration to Sanity & Integration with Next.js:

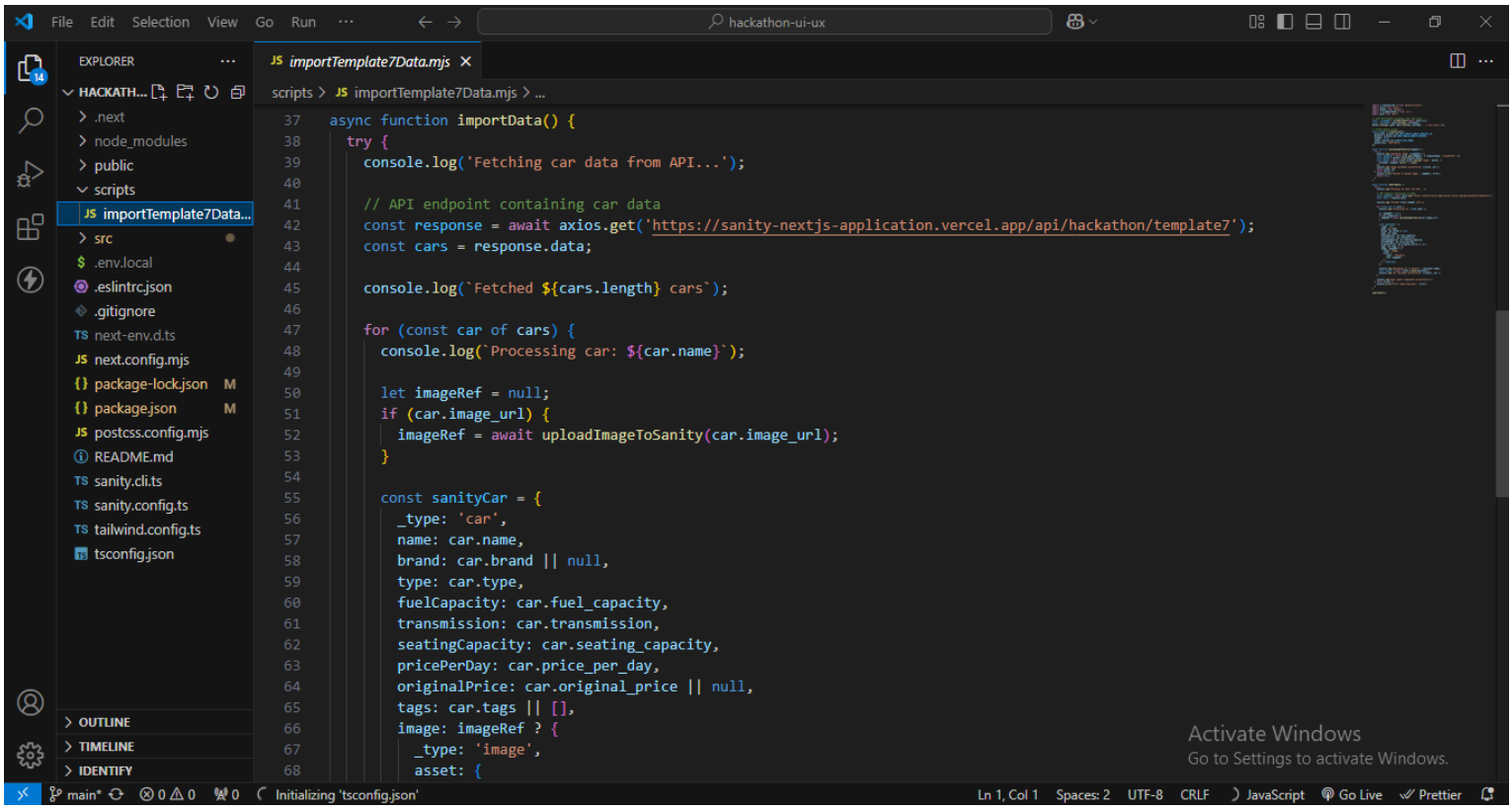
Integrating API with Sanity in a Next.js Project

Step-by-Step Guide:

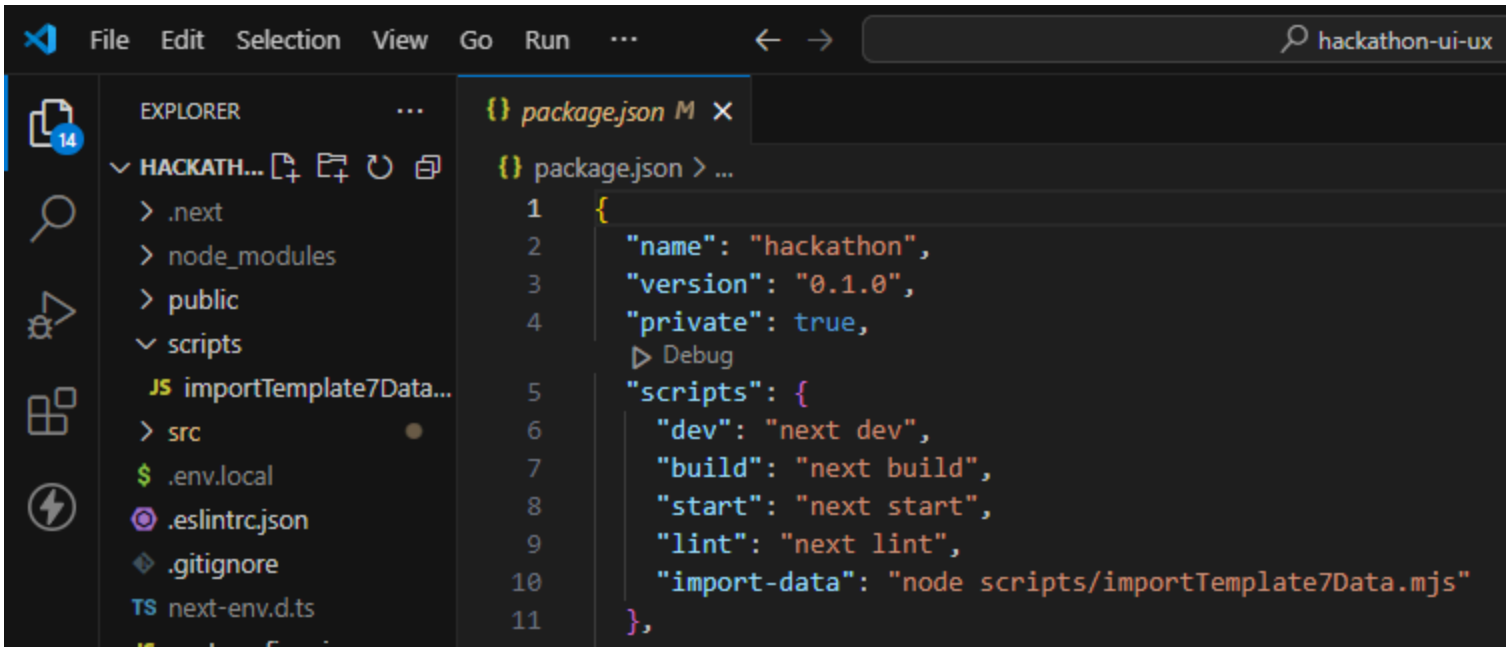
1. **Creating a Sanity Project:**
    - Visit sanity.io and create a new project.
    - Note down the `projectId`, `dataset`, and generate an API token for accessing the project.
2. **Installing Sanity in the Hackathon Project:**
    - Add Sanity to your existing project using the terminal:
      npm install @sanity/client
3. **Setting Up Environment Variables:**
    - Create a `.env.local` file in the root of your project.

- Add the following variables:
  SANITY_PROJECT_ID=your_project_id
- SANITY_DATASET=your_dataset
    - SANITY_API_TOKEN=your_api_token

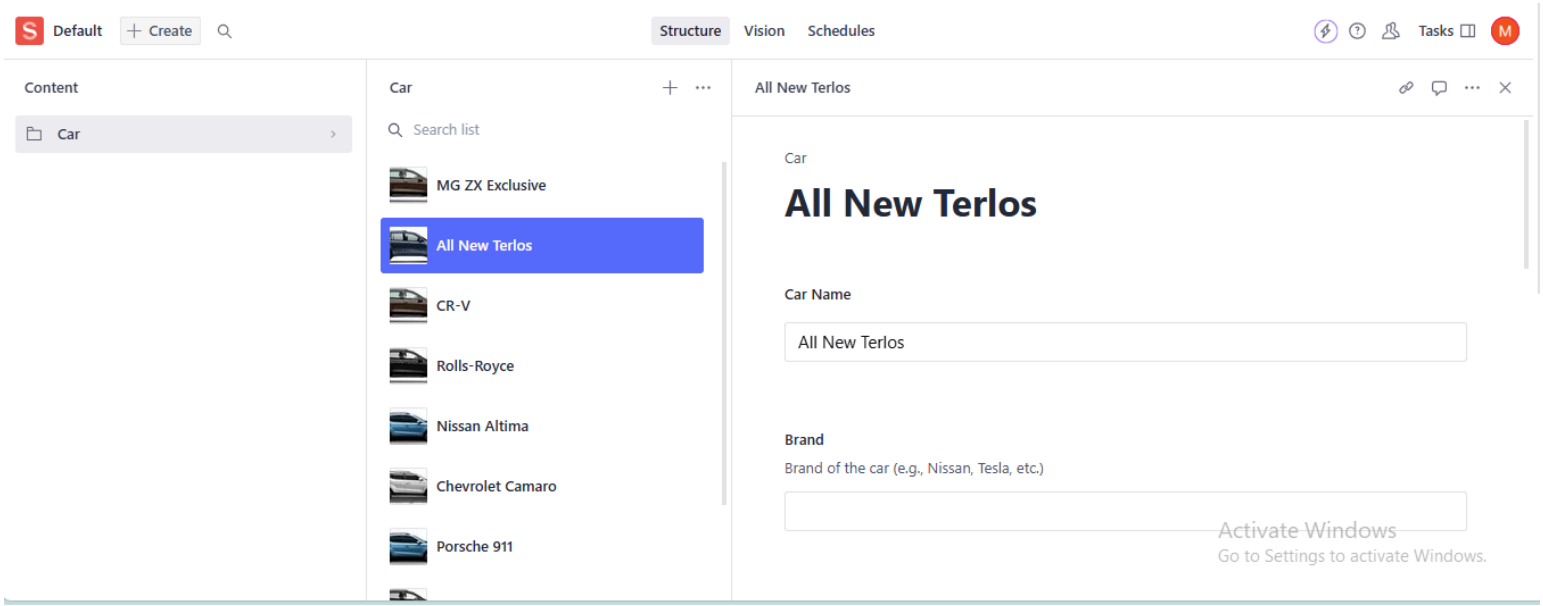
4. **Adding the Provided API to the Project:**
    - In the root directory of your project, create a `scripts` folder.
    - Inside the `scripts` folder, create a file named `importTemplateData7.mjs`.
    - Copy and paste the provided API logic into this file.

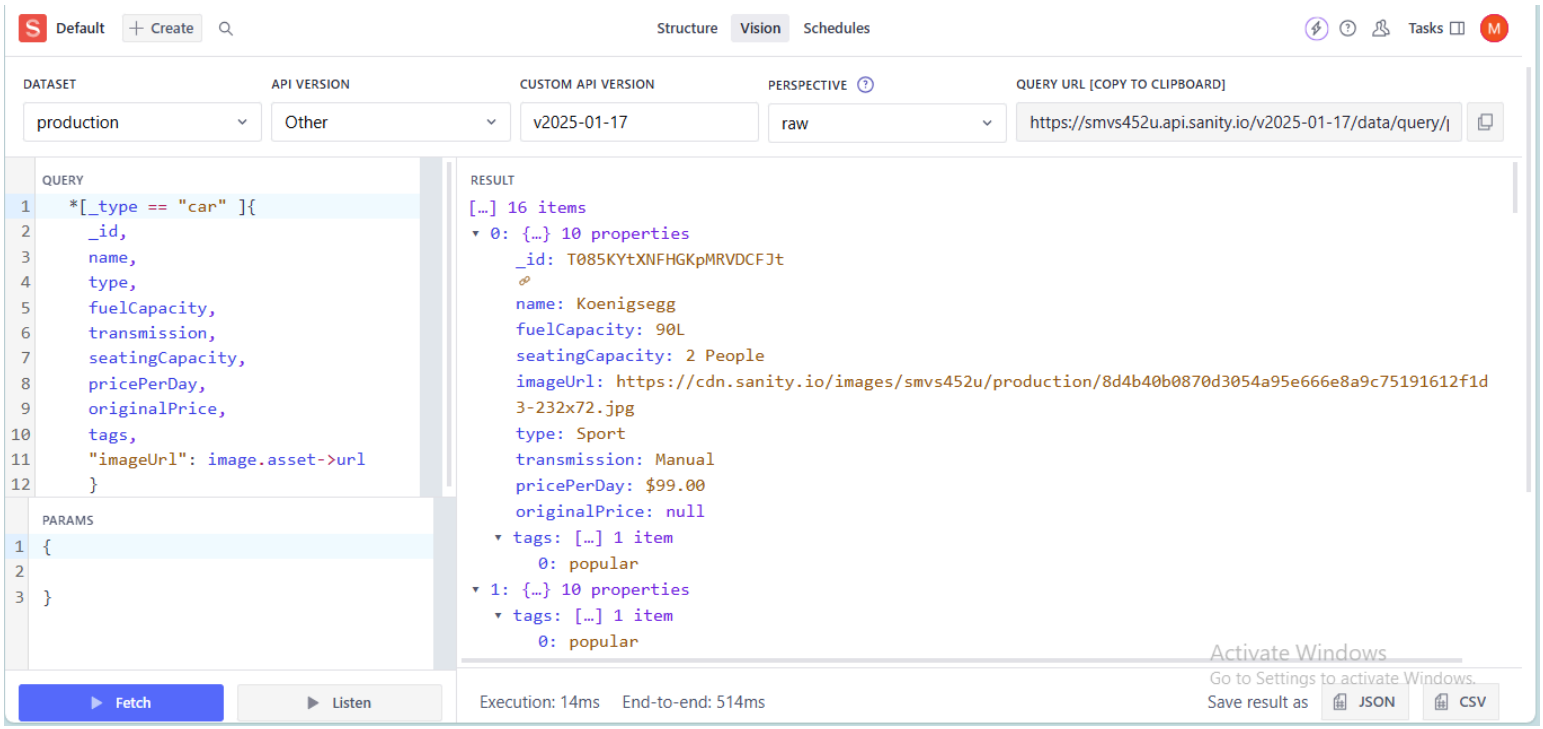


5. **Updating `package.json`:**
   - Open `package.json` and add the following script:
     "import-data": "node scripts/importTemplateData7.mjs"



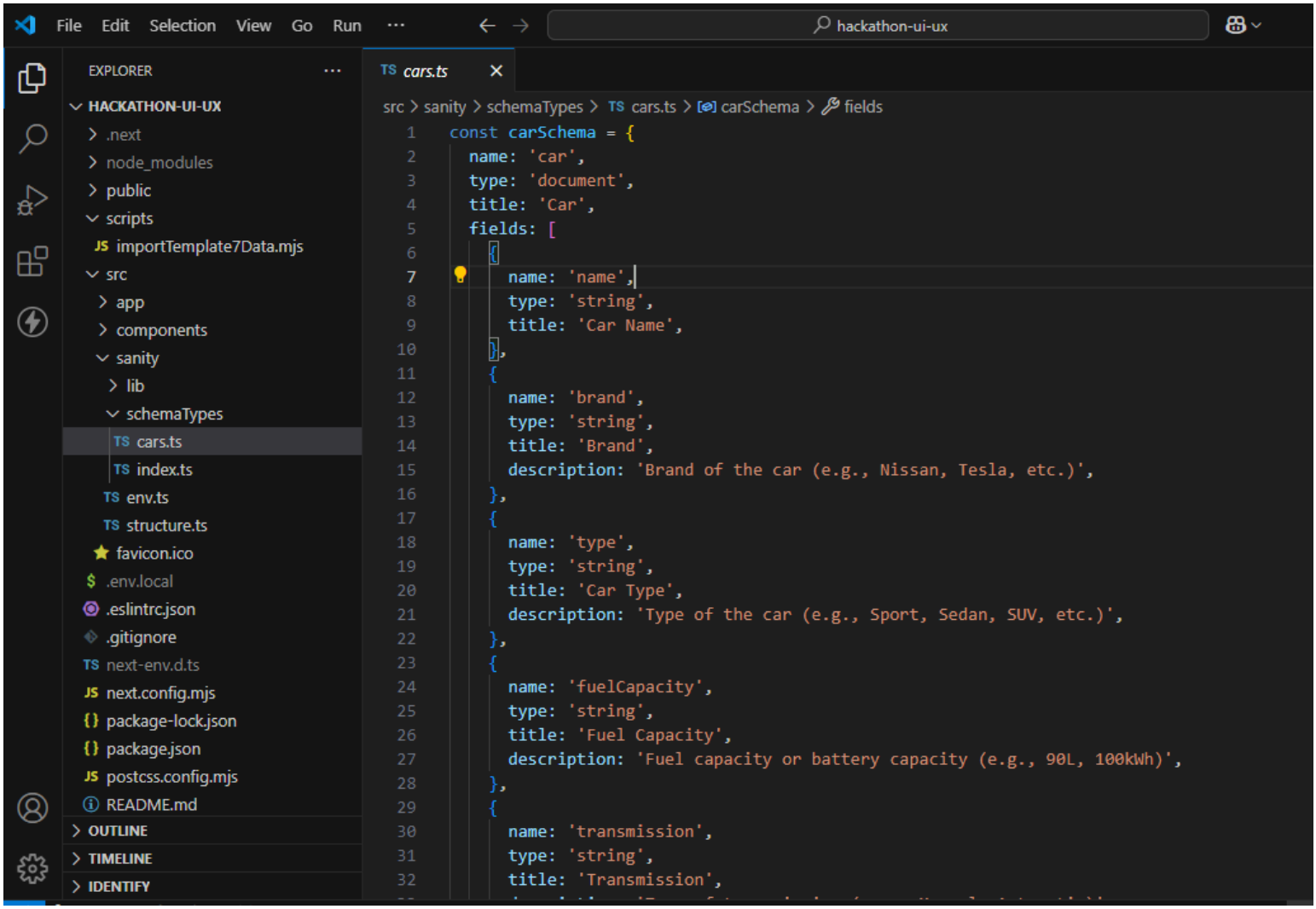
6. **Running the Import Script:**
    - Use the terminal to run the script:
      npm run import-data
    - This command imports the data into Sanity.





7. **Creating the Car Schema in Sanity:**

- Navigate to the `sanity` folder in your project.
- Inside the `schemas` folder, create a new file named `car.ts`.



8. **Registering the Schema:**

- Import the schema into the `index.ts` file in the `schemas` folder:

TS index.ts

src > sanity > schemaTypes > TS index.ts > ...

```ts
import { type SchemaTypeDefinition } from 'sanity';
import cars from './cars';

export const schema: { types: SchemaTypeDefinition[] } = {
  types: [cars],
}

```

Final Notes:

- Ensure you run the Sanity Studio locally to verify the schema and data.
- Test the integration by fetching the car data in your Next.js application using `@sanity/client`.

TS client.ts

src > sanity > lib > TS client.ts > ...

```ts
import { createClient } from 'next-sanity'

import { apiVersion, dataset, projectId } from '../env'

export const client = createClient({
  projectId,
  dataset,
  apiVersion,
  useCdn: true, // Set to false if statically generating pages, using ISR or tag-based revalidation
})

```