

Day # 3

API INTEGRATION AND

DATA MIGRATION



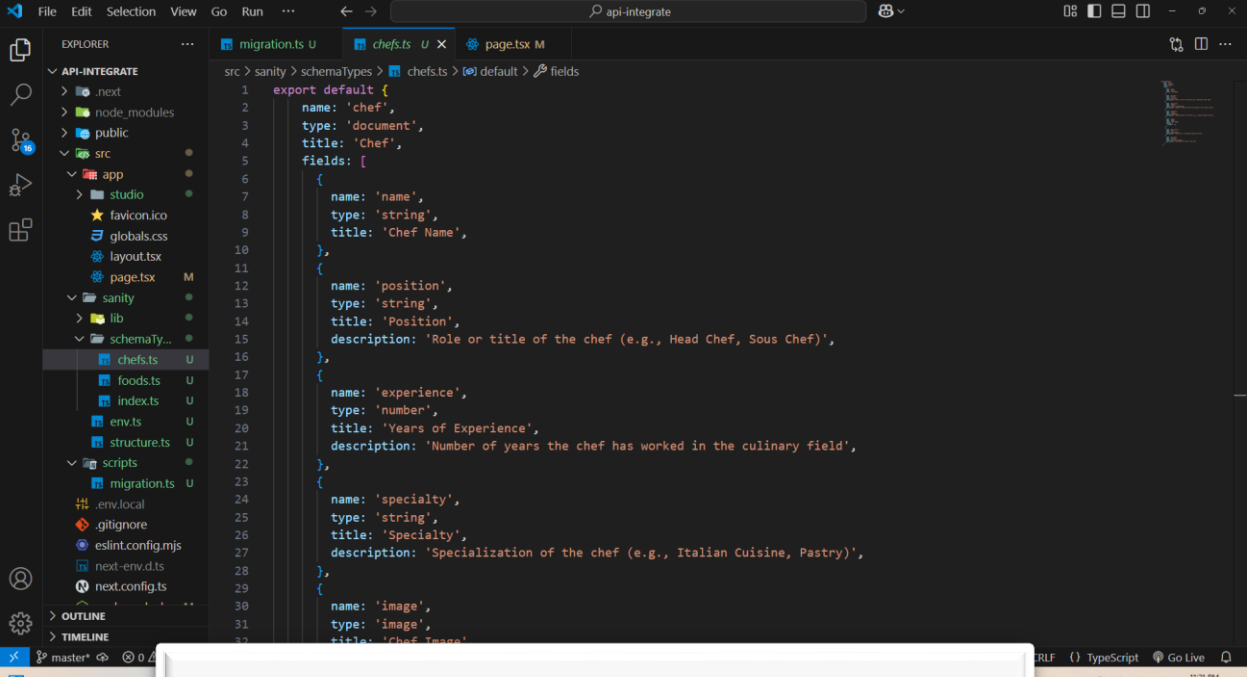
MIGRATION.TS FILE

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  src
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    studio
  sanity
    lib
    schema
    sanity.d.ts
    sanity.config.js
    tailwind.config.js
    tsconfig.json
  scripts
    migrations.ts
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src > scripts > migrations.ts > fetchFoodData
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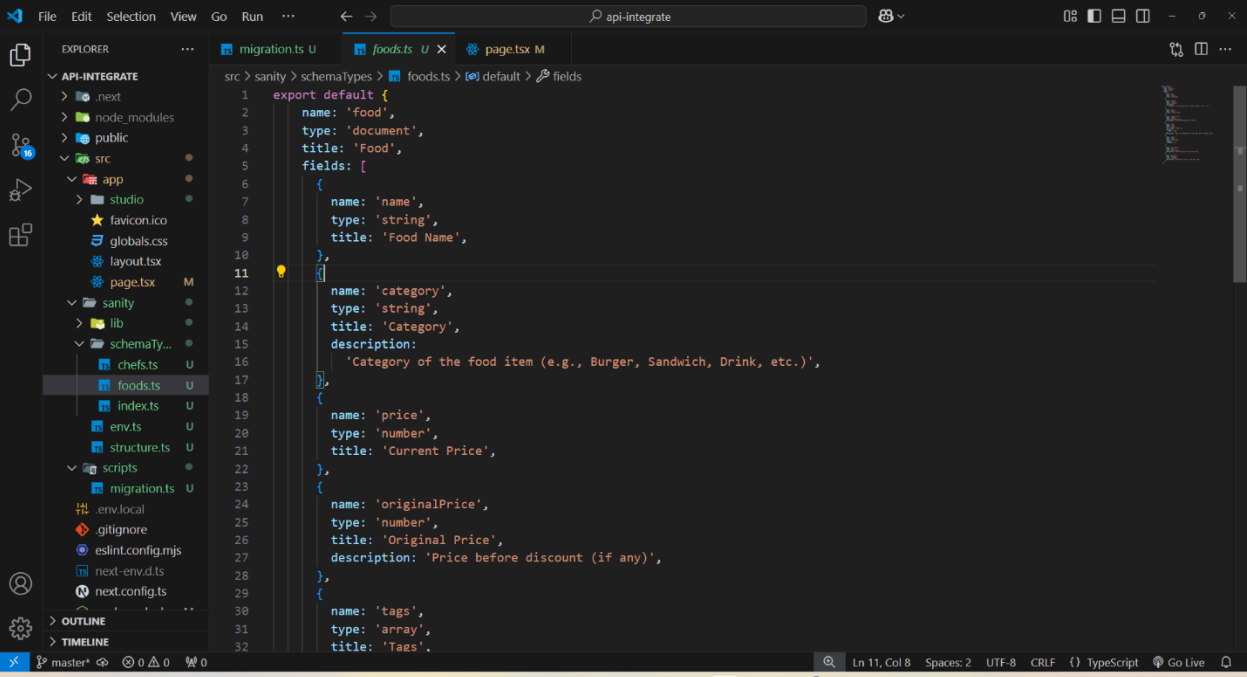
Chef.ts Schema FILE



The screenshot shows a VS Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with folders like 'API-INTEGRATE', 'node_modules', 'public', 'src', 'app', 'studio', 'sanity', and 'lib'. The 'src' folder is expanded, showing files like 'chef.ts', 'foods.ts', 'index.ts', 'env.ts', 'structure.ts', 'scripts', 'migration.ts', and 'env.local'. The 'chef.ts' file is selected and its content is displayed in the main editor. The code defines a schema type for 'chef' with fields: 'name' (string), 'position' (string), 'experience' (number), 'specialty' (string), and 'image' (image). The code is as follows:

```
1 export default {
2   name: 'chef',
3   type: 'document',
4   title: 'Chef',
5   fields: [
6     {
7       name: 'name',
8       type: 'string',
9       title: 'Chef Name',
10    },
11    {
12      name: 'position',
13      type: 'string',
14      title: 'Position',
15      description: 'Role or title of the chef (e.g., Head Chef, Sous Chef)',
16    },
17    {
18      name: 'experience',
19      type: 'number',
20      title: 'Years of Experience',
21      description: 'Number of years the chef has worked in the culinary field',
22    },
23    {
24      name: 'specialty',
25      type: 'string',
26      title: 'Specialty',
27      description: 'Specialization of the chef (e.g., Italian Cuisine, Pastry)',
28    },
29    {
30      name: 'image',
31      type: 'image',
32      title: 'Chef Image'
33    }
34  ]
35 }
```

FOOD.TS SCHEMA FILE



The screenshot shows a VS Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with folders like 'API-INTEGRATE', 'node_modules', 'public', 'src', 'app', 'studio', 'sanity', and 'lib'. The 'src' folder is expanded, showing files like 'chef.ts', 'foods.ts', 'index.ts', 'env.ts', 'structure.ts', 'scripts', 'migration.ts', and 'env.local'. The 'foods.ts' file is selected and its content is displayed in the main editor. The code defines a schema type for 'food' with fields: 'name' (string), 'category' (string), 'price' (number), 'originalPrice' (number), and 'tags' (array). The code is as follows:

```
1 export default {
2   name: 'food',
3   type: 'document',
4   title: 'Food',
5   fields: [
6     {
7       name: 'name',
8       type: 'string',
9       title: 'Food Name',
10    },
11    {
12      name: 'category',
13      type: 'string',
14      title: 'Category',
15      description: 'Category of the food item (e.g., Burger, Sandwich, Drink, etc.)',
16    },
17    {
18      name: 'price',
19      type: 'number',
20      title: 'Current Price',
21    },
22    {
23      name: 'originalPrice',
24      type: 'number',
25      title: 'Original Price',
26      description: 'Price before discount (if any)',
27    },
28    {
29      name: 'tags',
30      type: 'array',
31      title: 'Tags',
32    }
33  ]
34 }
```

GROQ query

```
export default async function FoodCategory() {  
  
  const res = await client.fetch(  
    `*[_type == 'landingpage'][0].section[1]{'orangeFoodHeading': orangeFoodHeading,  
    'foodHeading': foodHeading, 'foodSubhead': foodSubhead, 'foodCategoryCards': foodCategoryCards  
    []{'foodCardimg': foodCardimg.asset->url, 'foodDis': foodDis, 'foodTitle': foodTitle}}`  
  );  
  
  const foodItems = [  
    {  
      image: "/fastfood.png",  
      title: "Fast Food Dish",  
      discount: "Save 30%",  
      alt: "Fresh salad with mushrooms",  
    },  
    {  
      image: "/Gourmet.png",  
      alt: "Sesame seed burger with fresh vegetables",  
    },  
    {  
      image: "/Salad.png",  
      alt: "Fresh salad with nuts and pomegranate",  
    },  
    {  
      image: "/Sweet.png",  
      alt: "Stack of decorated donuts".  
    }  
  ]  
}
```

CHECK LIST FOR DAY #3

- ✓ **API – Understanding**
- ✓ **Schema Validation**
- ✓ **Data Migration**
- ✓ **API Integration in next Js**
- ✓ **Submission Preparation**