Day 3 - API Integration Report - [CLOTHING AND BAG]

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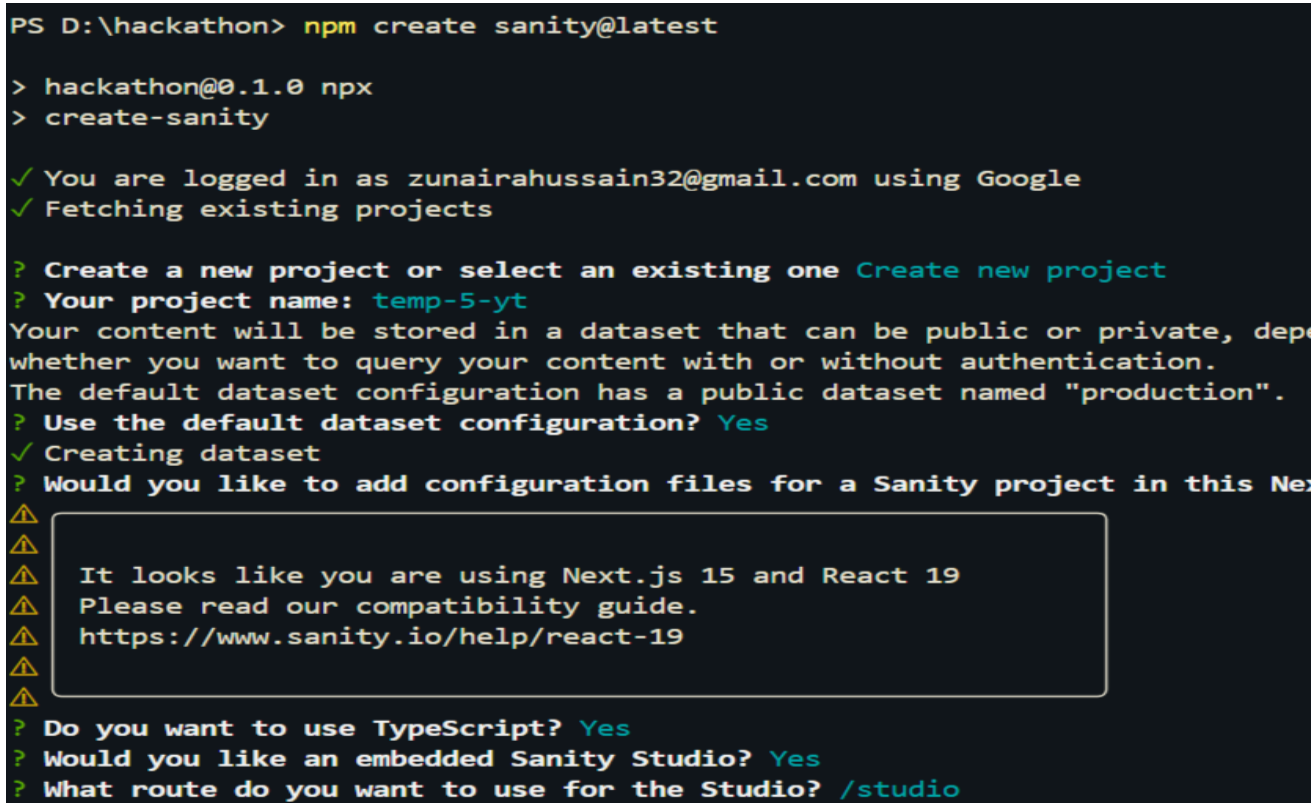
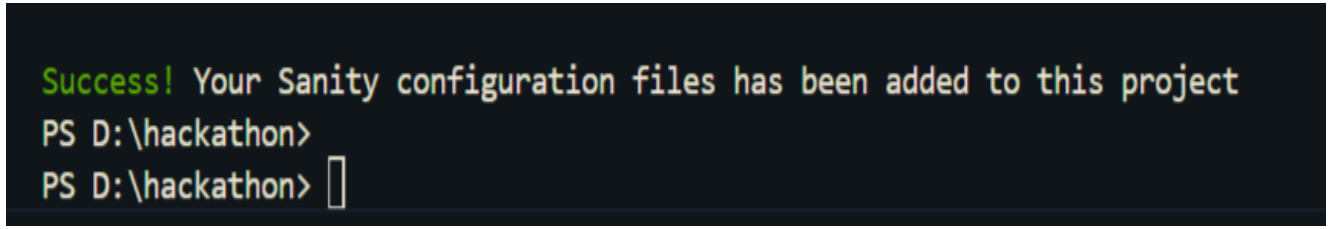
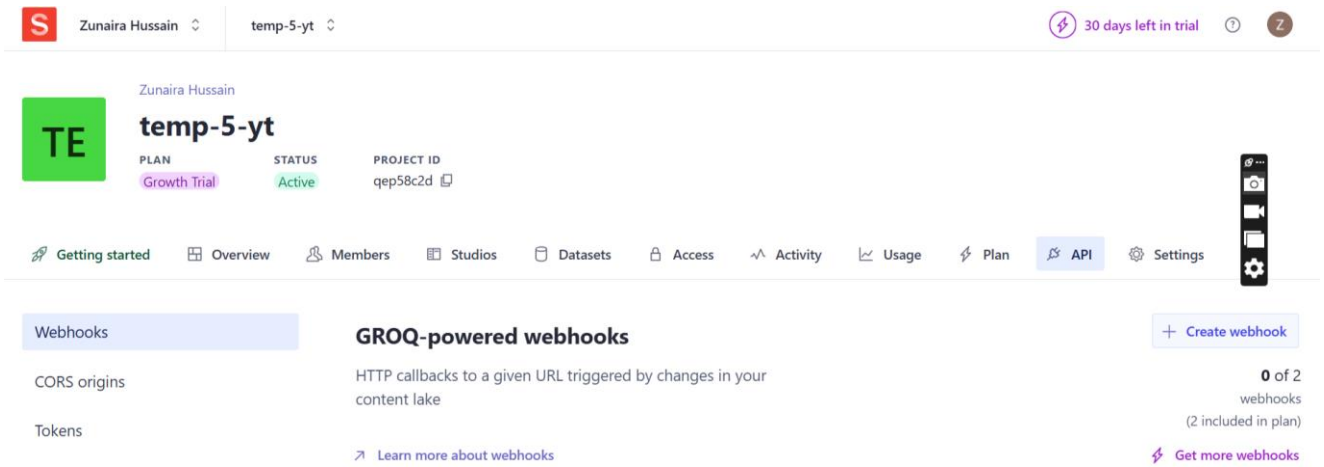
1.API integration process

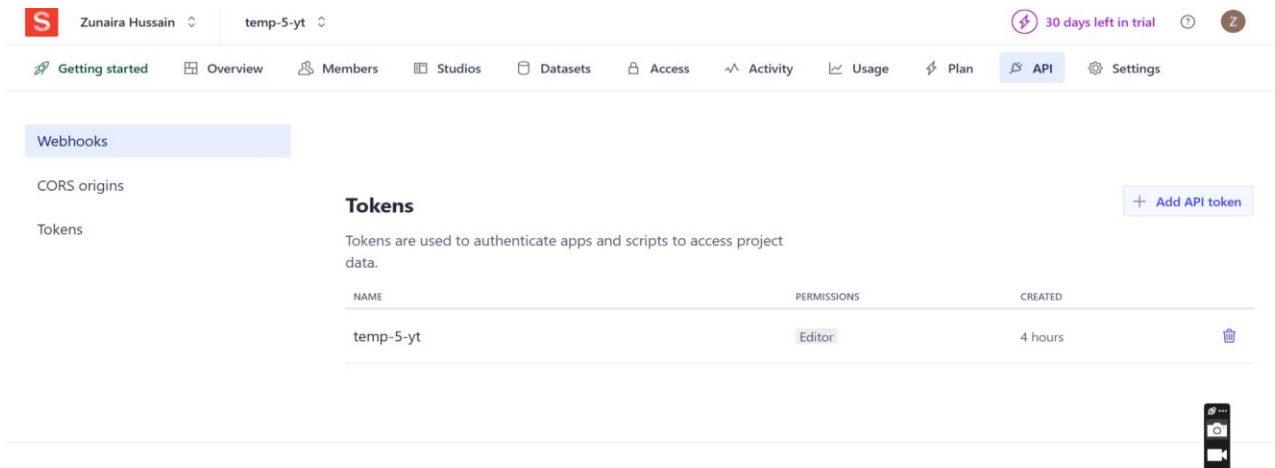
To begin API integration, we first set up Sanity CMS. Sanity allows us to create structured content using customizable schemas. It provides a flexible and scalable backend for managing content, enabling seamless integration with APIs for dynamic applications."





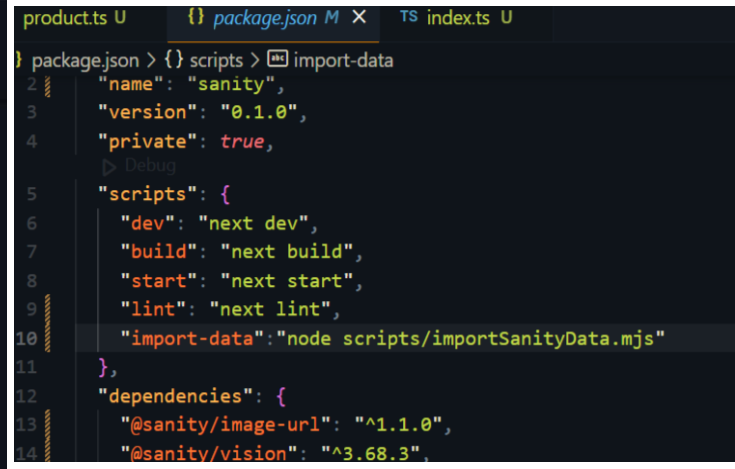
After configuring Sanity CMS, we generate a **secure API token** to authenticate and enable seamless content integration. The images below illustrate the setup and token generation process for efficient API connectivity.





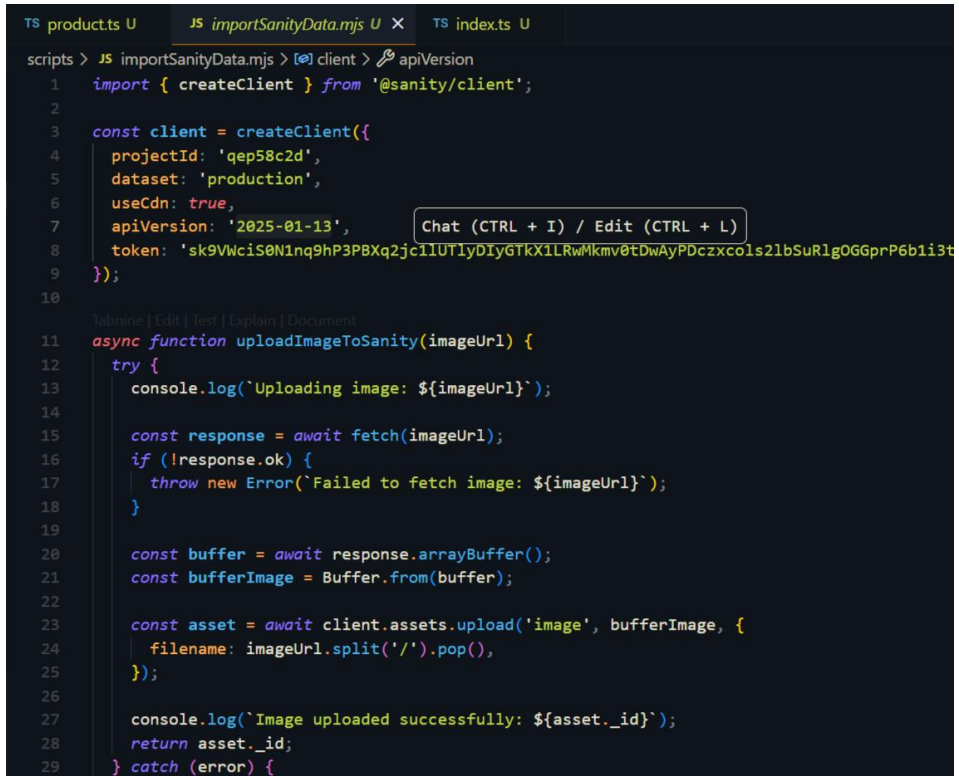
Adjustment made to Schemas

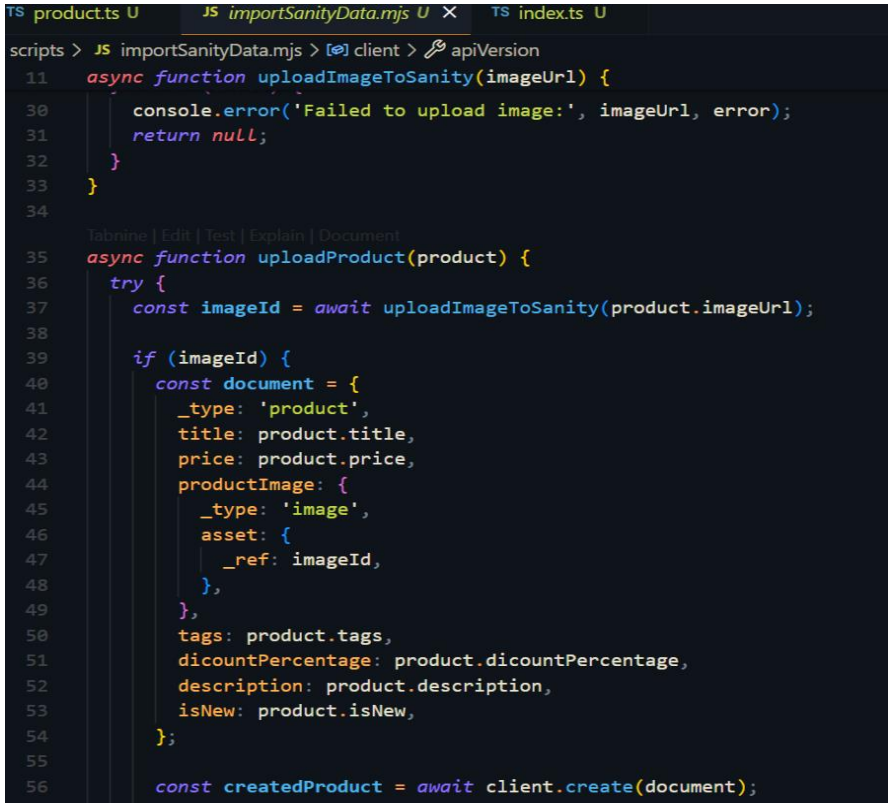
Adjustments were made to the Sanity schemas
to define the structure for products, ensuring they align with the application's requirements
. The **product.js schema** was created, followed by importing **JSON data files** to populate the database efficiently.
This setup ensures a robust and well-organized content structure for seamless API integration."



Migration steps and tools used

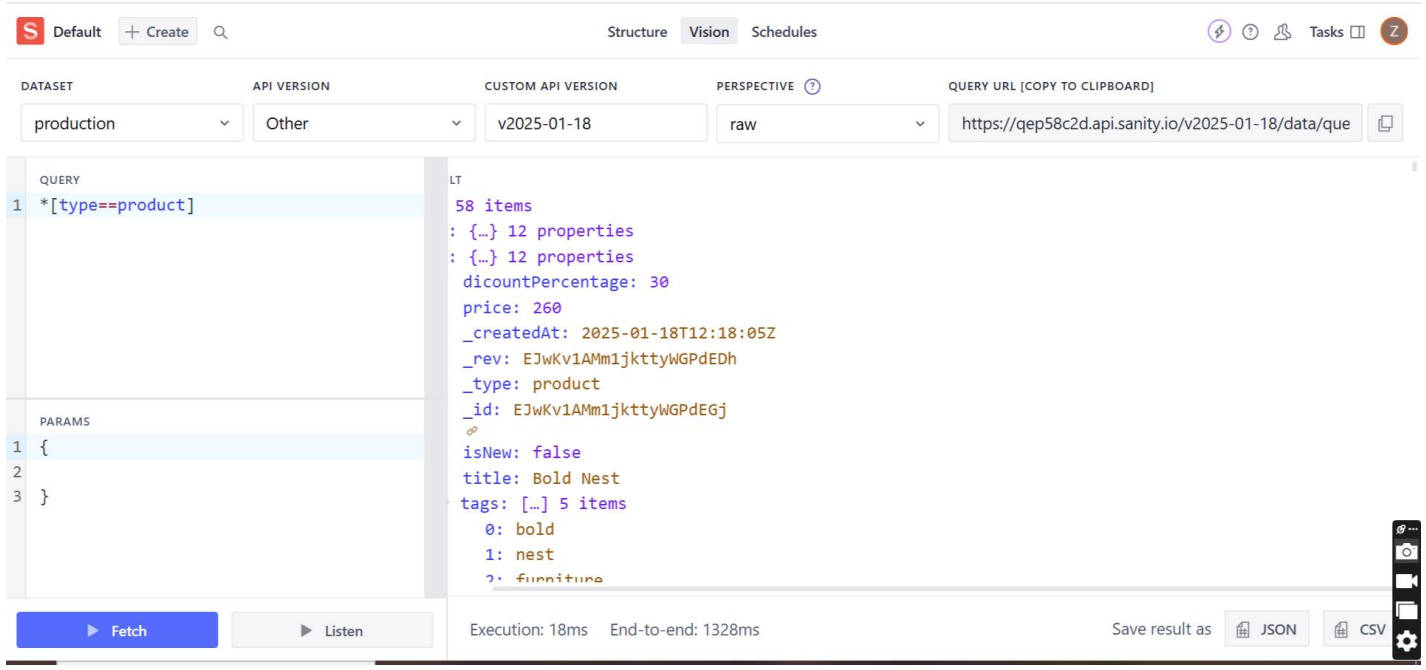
For the migration process, we utilize scripts to automate data import into Sanity CMS.
The scripts/importSanityData tool facilitates seamless integration by reading data files and populating the Sanity dataset . This ensures a smooth and efficient transition of content into the CMS while maintaining data integrity."





API CALL

An API call is made to Sanity CMS using
sanity.fetch() to retrieve product data based on the defined schema
. This call fetches structured content in JSON format, including details like title, price, and images, which are then integrated into the application for dynamic content display



Data successfully displayed in the frontend

The product data is successfully retrieved and dynamically rendered on the frontend. Key details such as title, price, description, and images are seamlessly integrated into the user interface, ensuring an optimized and responsive user experience with real-time content updates