**Travel UP – Interview Assessment**

**Task 1:**

ASP.NET MVC:

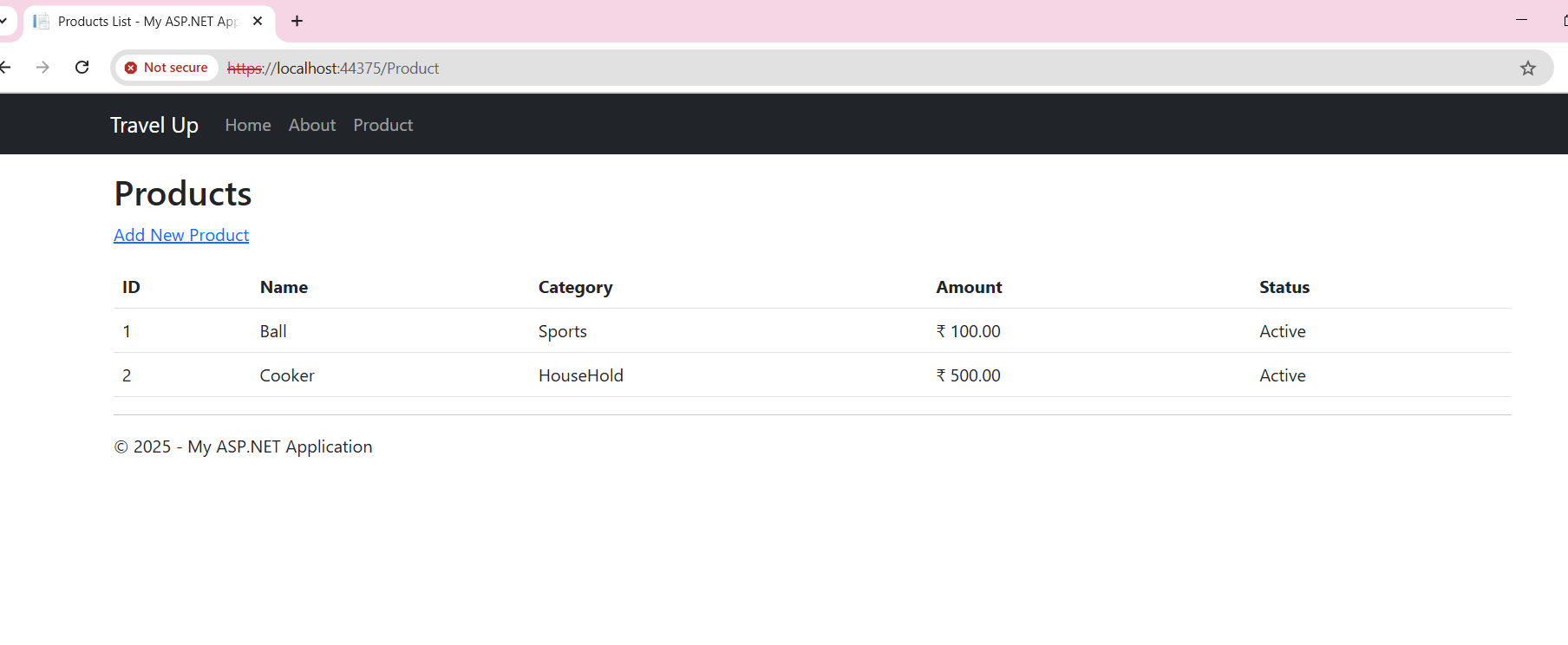
• Create a simple ASP.NET MVC web application with two views: one for displaying a list of

items and another for adding a new item.

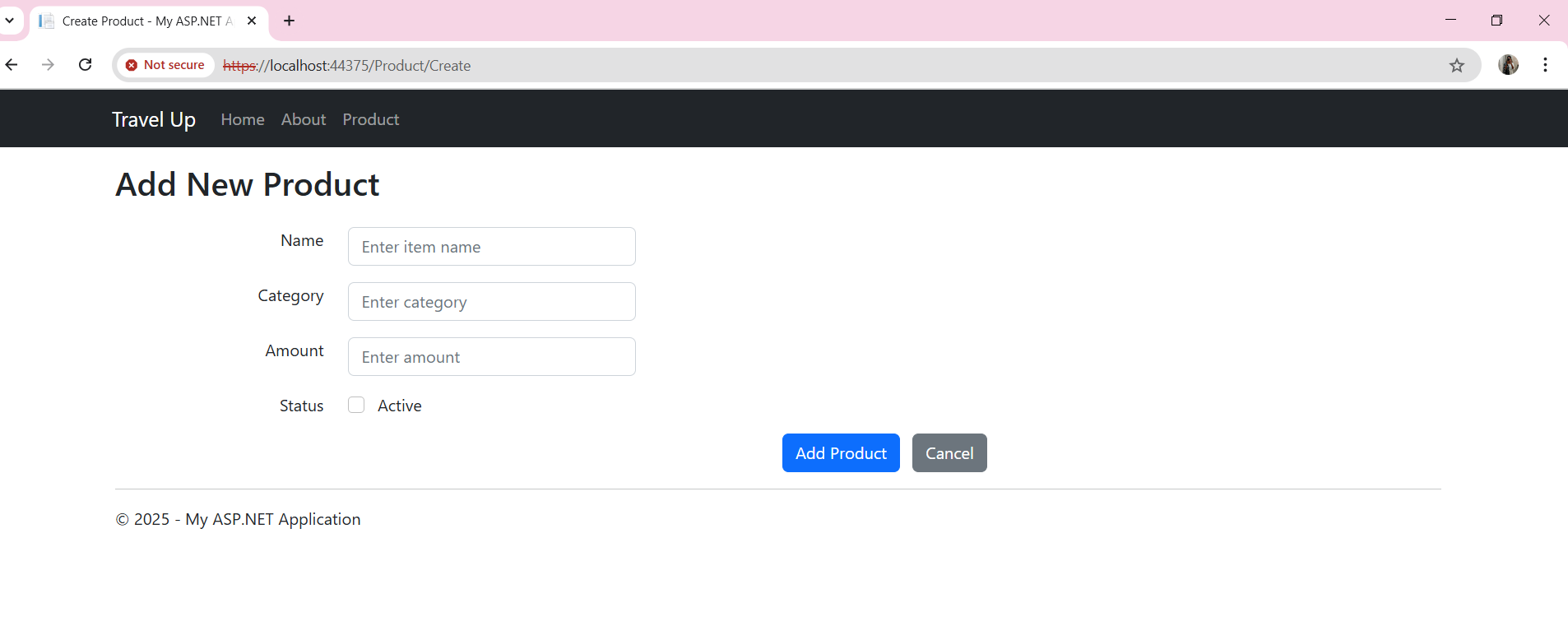
• Use a model to represent the items.

• Implement a controller to handle CRUD operations for the items.

• Use Razor syntax for rendering views.

Listing View

Add New Product View



**Task 2:**

JavaScript and AJAX:

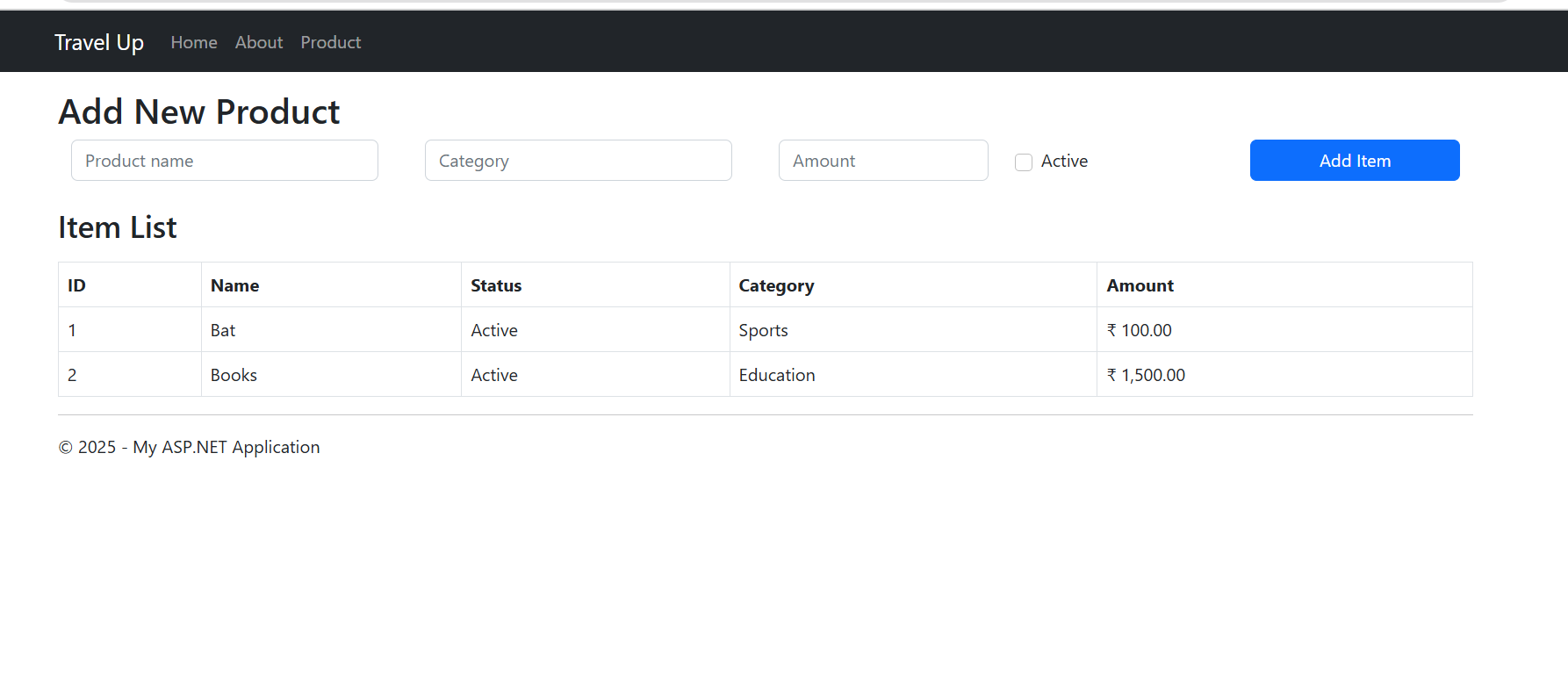
• Enhance the application by adding a JavaScript component that allows users to

asynchronously add items to the list without refreshing the page.

• Use AJAX for the asynchronous communication.

• Include client-side validation for the input fields.

Asynchronous Product addition using AJAX to refresh the list without page refresh.



**Task 3:**

ASP.NET Web API:

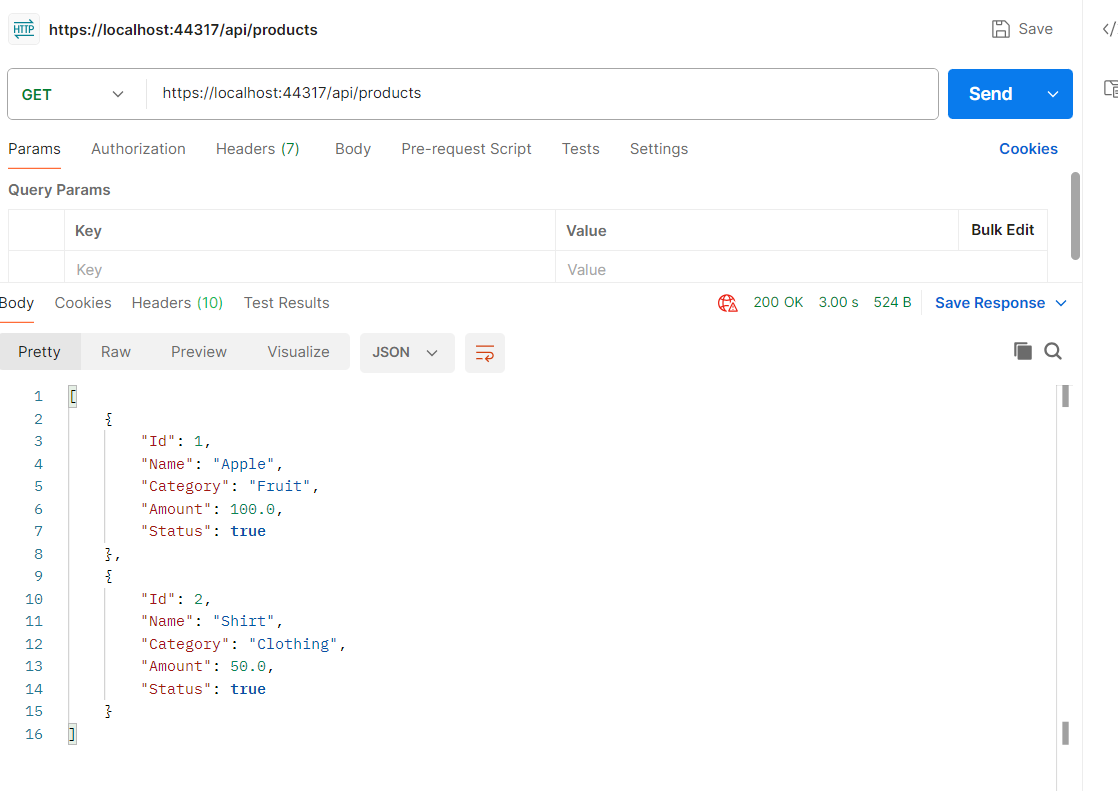
• Extend the existing application by creating a simple RESTful API that exposes CRUD

operations for the items.

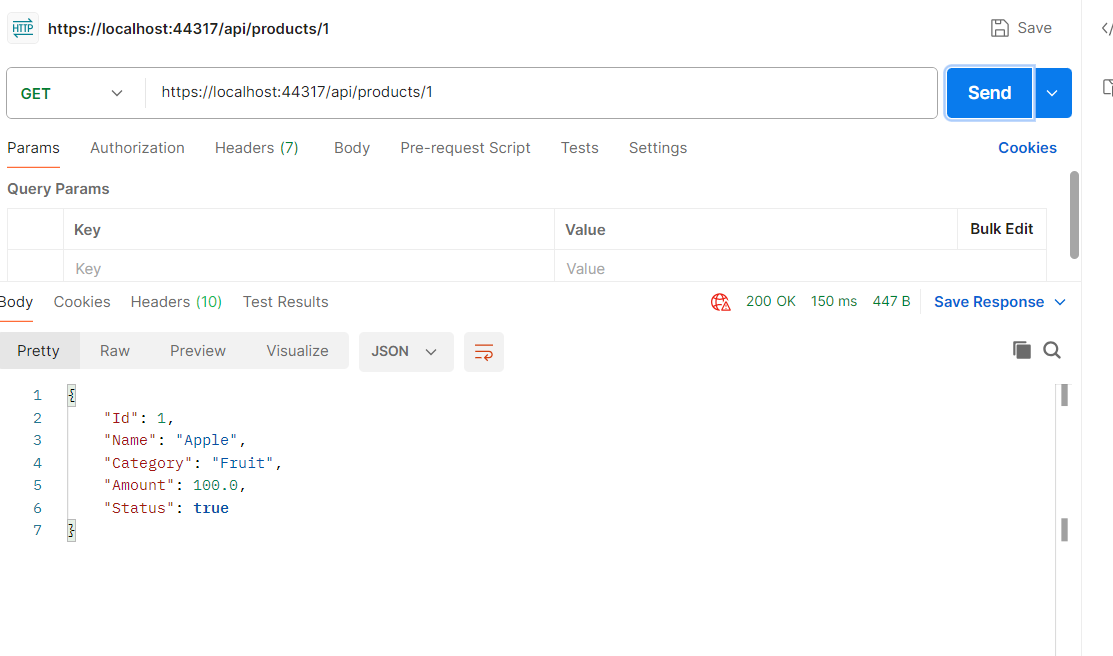
• Implement API endpoints for retrieving a list of items, getting details for a specific item,

adding a new item, updating an existing item, and deleting an item.

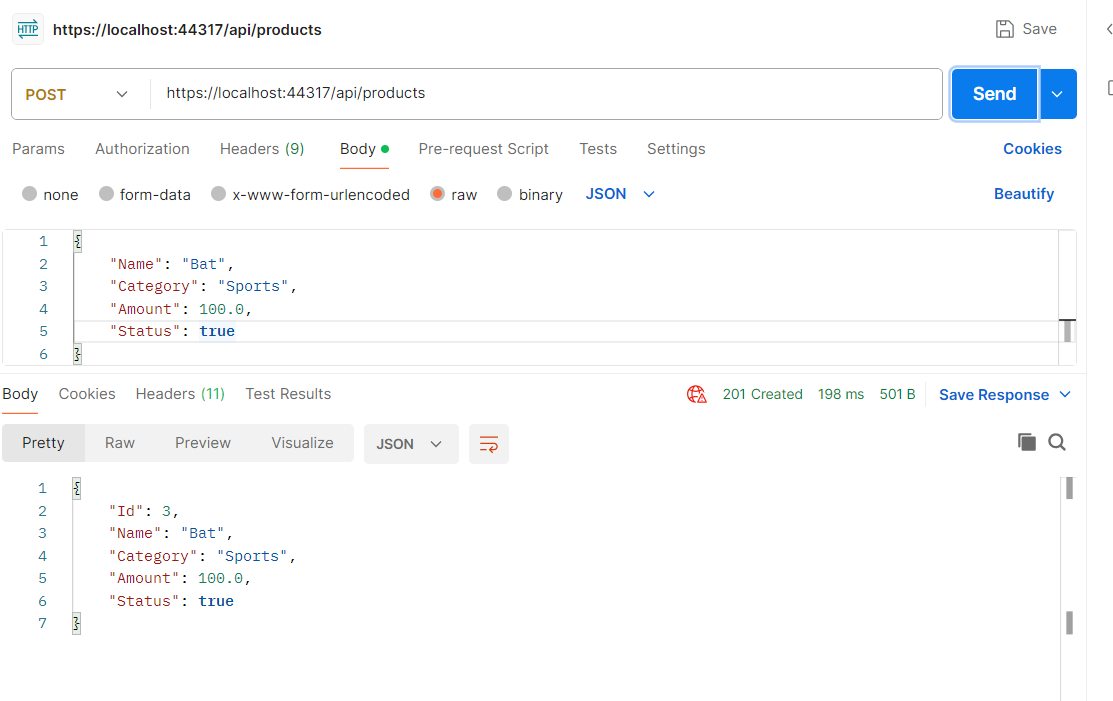
GET API



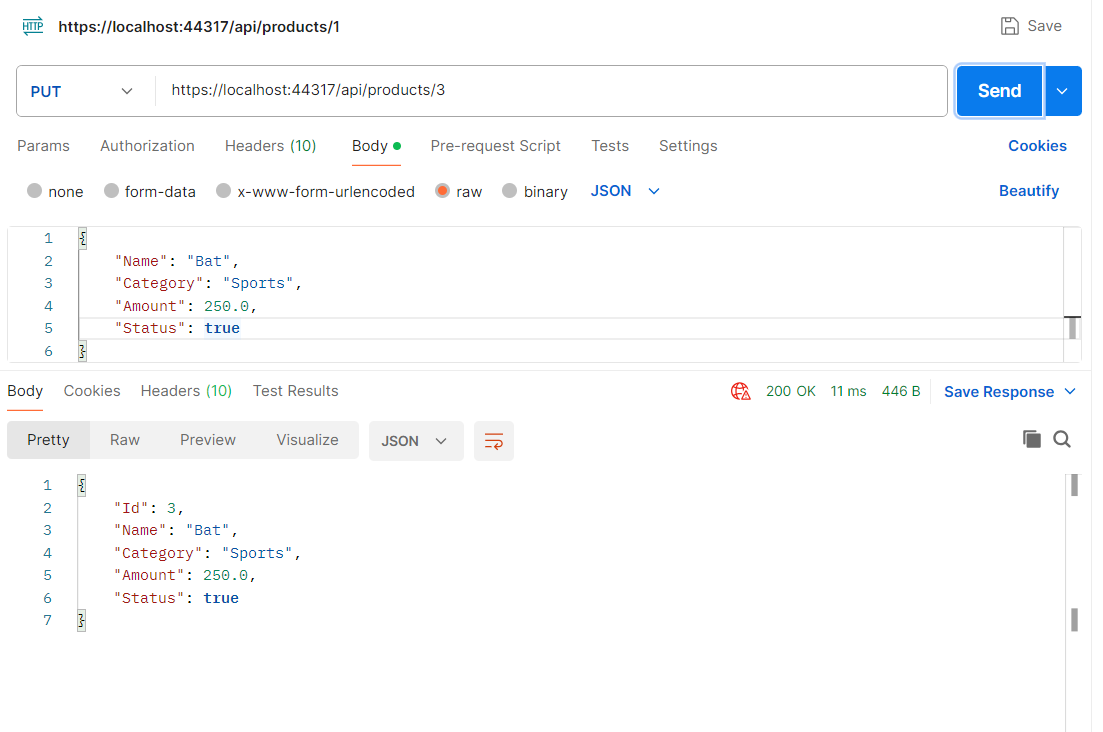
GET By Id API



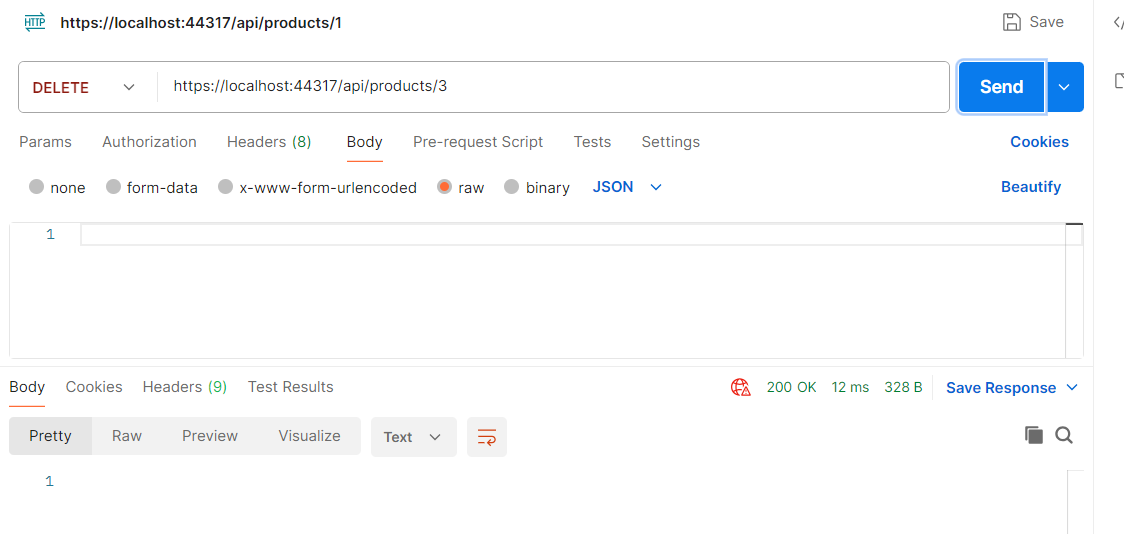
Create API



Put API



Delete API



**Task 4:**

Database Integration:

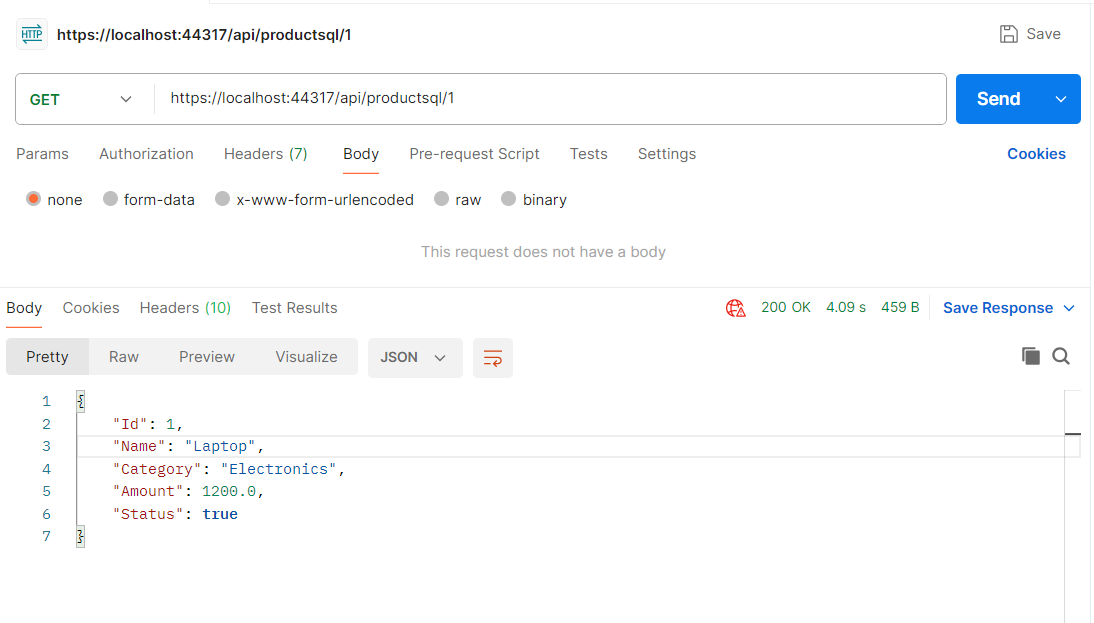
• Integrate Entity Framework for database interaction.

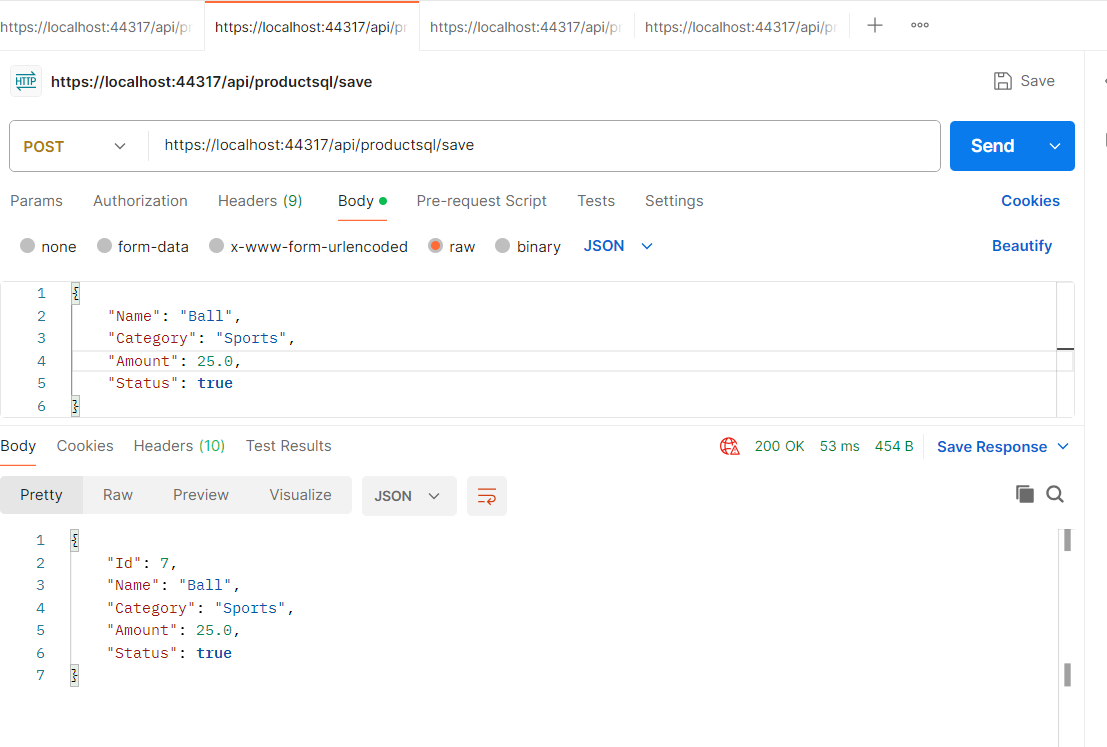
• Configure the application to use a SQL Server database for storing and retrieving item

information.

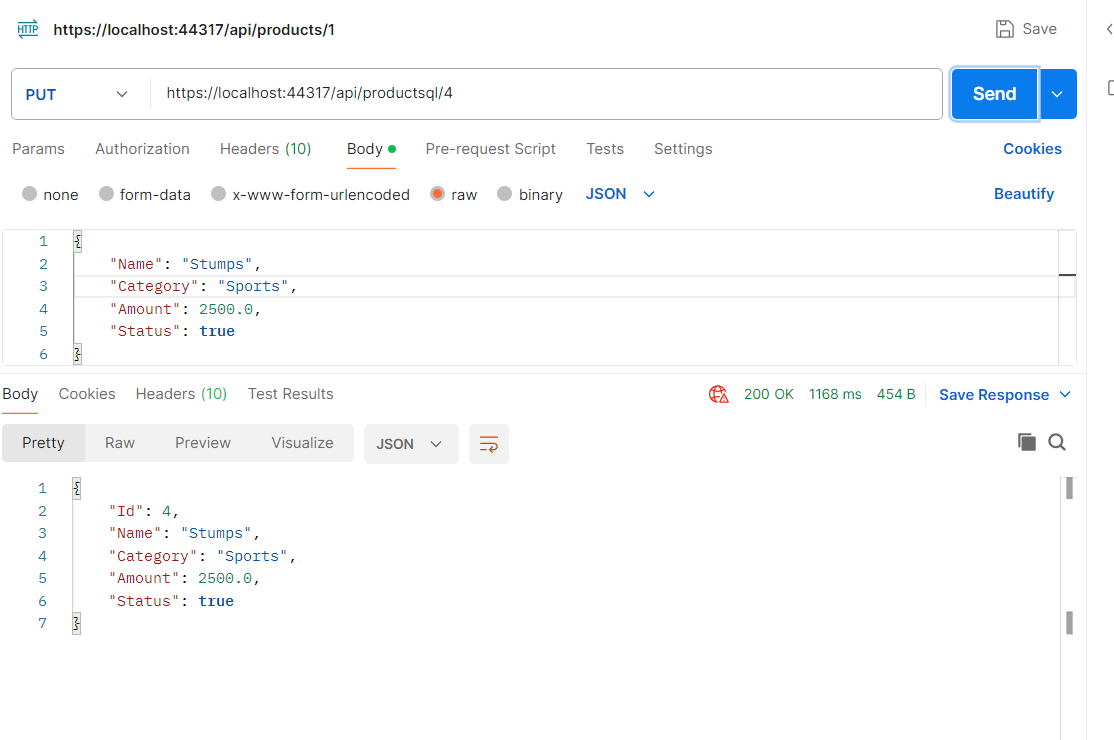
• Ensure proper handling of database connections and error scenarios.

GET API After integrating with Database.

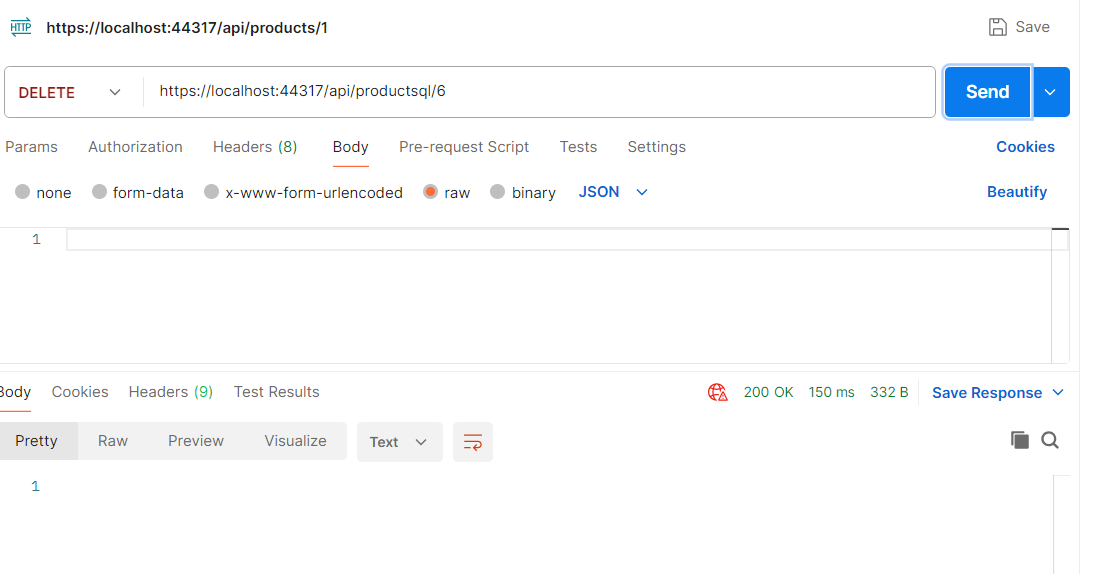


POST API 

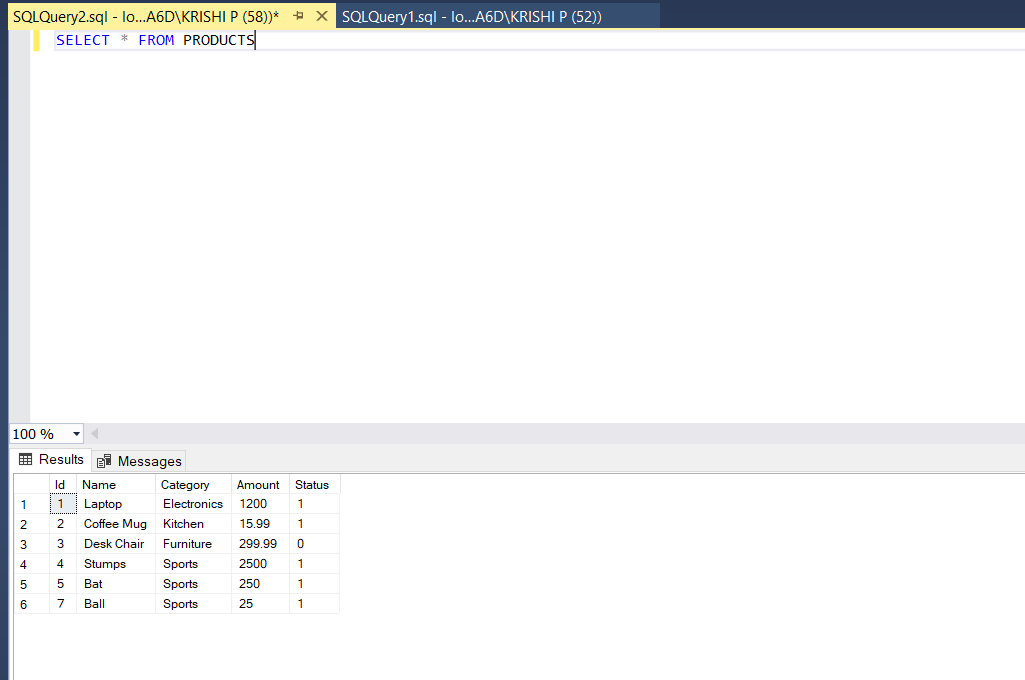
PUT API



DELETE API



DATABASE TABLE AFTER UPDATION



In API Project, I have successfully integrated with Database for real time updates. Created a separate SQLPRODUCT controller that connects with database for data updation.

Still this is not integrated with our MVC Project because of time constraint. The task was given with 1 day of time. I managed to complete upto TASK 4 within 3-4 hours of time as I am currently working in another organization as well.