

API Name	Endpoint	Method	Purpose	Request Body	Request Parameters	Response
Add Product	/api/admin/categories/{categoryId}/product	POST	Adds a new product to a category	Product (JSON)	categoryId (PathVariable)	ProductDTO (JSON), HttpStatus 201
Get All Products	/api/public/products	GET	Retrieves all products	-	pageNumber, pageSize, sortBy, sortOrder (RequestParams)	ProductResponse (JSON), HttpStatus 200
Get Products by Category	/api/public/categories/{categoryId}/products	GET	Retrieves products by category	-	categoryId (PathVariable), pageNumber, pageSize, sortBy, sortOrder (RequestParams)	ProductResponse (JSON), HttpStatus 200
Get Products by Keyword	/api/public/products/keyword/{keyword}	GET	Searches products by keyword	-	keyword (PathVariable), pageNumber, pageSize, sortBy, sortOrder (RequestParams)	ProductResponse (JSON), HttpStatus 302
Update Product	/api/products/{productId}	PUT	Updates an existing product	Product (JSON)	productId (PathVariable)	ProductDTO (JSON), HttpStatus 200

API Name	Endpoint	Method	Purpose	Request Body	Request Parameters	Response
Update Product Image	/api/products/{productId}/image	PUT	Updates the image of a product	Multipart File (Form Data)	productId (PathVariable)	ProductDTO (JSON), HttpStatus 200
Delete Product	/api/admin/products/{productId}	DELETE	Deletes a product	-	productId (PathVariable)	String (Status Message), HttpStatus 200
Get Products by Seller	/api/seller/products	GET	Retrieves products by seller	-	pageNumber, pageSize, sortBy, sortOrder (RequestParams)	ProductResponse (JSON), HttpStatus 200
Get Product Count	/api/admin/products/count	GET	Retrieves product count	-	-	Long, HttpStatus 200