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## Merwas for IT

Queen Rania Street  
Amman, Jordan

# PHP Laravel Task

## OVERVIEW

Build a Restful API for an e-commerce application as the following:

1. Build a Users Migration, Model, Relations, Controller.
2. Build a Categories Migration, Model, Relations, Controller.
3. Build a Products Migration, Model, Relations, Controller.
4. Build a Cart Migration, Model, Relations, Controller.
5. Build an Orders Migration, Model, Relations, Controller.
6. Build a Seeder to put the fake data in the database.

## SPECIFICATIONS

- The data should be stored in English and Arabic.
- The data should be retrieved based on Request Header Language.
- Categories table should be able to store multi levels of the categories.
- Validation in the API Requests should be applied.
- In the listed APIs, Pagination should be applied.

## Deliverables

### Login API

This API should take email and password and return access token with user data if the login is successful or failed message.

### Get Categories

This API should return the main categories, also we should be able to use the same API if we want to retrieve sub categories.

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## Get Products

This API should take category id from the request and return the products in the sent category. Also, it should take an optional "search key" if we want to search for a specific product.

## Add, Update, Remove From Cart

This API should take product id and the quantity from the request and perform an action either add, update or delete the product from the cart and return the result of the action.

## Get User Cart

This API should return the products that are in the user cart.

## Create an Order

This API should perform the following:

1. Create order for the logged in user.
2. Clear user cart.
3. Return result of the action or return error message.

