

Task Assignment – Generation Module Development Using Core PHP & DataTables

Task Requirements

1. Development must be carried out using Core PHP, with MySQL as the database.
2. DataTables should be implemented to generate and display the report.
3. Report data must be sourced from SQL Views.
4. SQL views must utilize JOIN queries across multiple tables.
5. The module should include PDF and Excel export functionality.
6. Table header background colors should be preserved in both PDF and Excel exports.
7. All relevant data from the joined tables must be accurately displayed in the report.

Expected Report Columns

- Order Number
- Order Date
- Customer Name
- Customer Email
- Customer Phone
- Product SKU
- Product Name
- Product Category
- Quantity
- Unit Price
- Total Amount (Quantity × Unit Price)
- Order Status

Note: Ensure that the Total Amount is calculated correctly, either within the SQL view or in PHP.

Database Setup – Tables and Sample Data

1. Customers Table

INSERT INTO customers (id, first_name, last_name, email, phone) VALUES

```
('1', 'Anoop', 'Menon', 'anoop.m@example.com', '+971501234567'),  
('2', 'Maya', 'Thomas', 'maya.t@example.com', '+971509876543'),  
('3', 'Ravi', 'Kumar', 'ravi.k@example.com', NULL);
```

2. Products Table

```
INSERT INTO products (id, sku, name, category, price) VALUES  
  
('1', 'SKU-1001', 'Wireless Mouse', 'Accessories', 29.99),  
('2', 'SKU-1002', 'Mechanical Keyboard', 'Accessories', 79.50),  
('3', 'SKU-2001', '21" Monitor', 'Displays', 149.00);
```

3. Orders Table

```
INSERT INTO orders (order_number, order_date, customer_id, product_id, quantity, unit_price,  
status) VALUES  
  
('ORD-0001', '2025-01-23', 1, 1, 2, 29.99, 'completed'),  
('ORD-0002', '2025-01-26', 2, 2, 1, 79.50, 'processing'),  
('ORD-0003', '2025-01-30', 3, 3, 1, 149.00, 'shipped');
```