MK Time Final Project

**Database: mktime\_db  
  
Database Tables:**

* users
* user\_details
* products
* orders
* order\_details

**-- Creation of the Database**

CREATE DATABASE mktime\_db;

USE mktime\_db;

**-- Create the tables**

CREATE TABLE users (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

password\_hash VARCHAR(255) NOT NULL,

reg\_date TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE user\_details (

user\_id INT UNSIGNED NOT NULL PRIMARY KEY,

street\_address VARCHAR(255),

address\_line\_2 VARCHAR(255),

city VARCHAR(100),

postal\_code VARCHAR(20),

phone\_number VARCHAR(20),

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE products (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

description TEXT,

price DECIMAL(10,2) NOT NULL,

image\_url VARCHAR(255),

stock INT UNSIGNED NOT NULL DEFAULT 0

);

CREATE TABLE orders (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

user\_id INT UNSIGNED NOT NULL,

total DECIMAL(10,2) NOT NULL,

order\_date TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

order\_status ENUM('pending', 'processing', 'shipped', 'delivered', 'cancelled') DEFAULT 'pending',

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE order\_details (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

order\_id INT UNSIGNED NOT NULL,

product\_id INT UNSIGNED NOT NULL,

user\_id INT UNSIGNED NOT NULL,

quantity INT UNSIGNED NOT NULL DEFAULT 1,

price DECIMAL(10,2) NOT NULL,

FOREIGN KEY (order\_id) REFERENCES orders(id),

FOREIGN KEY (product\_id) REFERENCES products(id),

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE carts (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

user\_id INT UNSIGNED,

created\_at TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE cart\_items (

id INT UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

cart\_id INT UNSIGNED NOT NULL,

product\_id INT UNSIGNED NOT NULL,

quantity INT UNSIGNED NOT NULL DEFAULT 1,

FOREIGN KEY (cart\_id) REFERENCES carts(id),

FOREIGN KEY (product\_id) REFERENCES products(id)

);

**Project root tree**

project\_root/

├── models/

│ ├── OrderDetails\_Class.php

│ ├── OrderHistory\_Class.php

│ ├── Order\_Class.php

│ └── ... (other model classes)

├── views/

│ ├── header.php

│ ├── footer.php

│ ├── home.php

│ ├── product.php

│ ├── login.php

│ ├── register.php

│ └── ... (other view templates)

├── controllers/

│ ├── HomeController.php

│ ├── ProductController.php

│ ├── UserController.php

│ └── ... (other controller classes)

├── functions/

│ ├── login\_action.php

│ ├── login\_tools.php

│ ├── session-cart.php

│ └──

└── public/

├── css/

├── js/

├── images/

└── ...