Installation Documentation for GPU Paradise

This document provides comprehensive instructions for installing the GPU Paradise web application on a new server or local environment. The application is hosted in a GitHub repository containing folders for the admin interface (PHP, HTML, related assets), stylesheets, images, PHP includes and configuration files, JavaScript files, client-side public files, HTML templates, and video assets. Additionally, MySQL database code and a detailed relationship diagram are located in the repository's README folder within the file README(OBEN_SQL).pdf.

Before beginning the installation, ensure your environment meets necessary prerequisites: a web server that supports PHP (such as Apache, Nginx, XAMPP, WAMP, or LAMP), PHP version 7.0 or higher, a MySQL database server accessible via phpMyAdmin or a local client, a configured domain and hosting access if deploying to a live website, and Git installed for cloning the repository or alternatively downloading it as a ZIP file from GitHub.

Start by cloning the repository using Git with the command git clone https://github.com/ObenAta/Project.git or download and extract the ZIP file from GitHub. This process results in a folder structure containing directories such as admin, css, images, includes, js, public, templates, and videos, along with the README folder.

Next, set your web server's document root to the repository's public folder. For Apache servers, modify your VirtualHost configuration by updating the DocumentRoot to /path/to/your-repository/public and granting appropriate directory permissions. If using a local server environment, place the repository folder within your server's root directory, like htdocs in XAMPP, ensuring the public folder is served properly.

Then, set up the MySQL database by logging into phpMyAdmin or your MySQL client. Create a new database (e.g., taskine_sql), navigate to the README folder in the repository, and review the SQL statements provided in README(OBEN_SQL).pdf. Convert the SQL from PDF to a plain text file if necessary, then import it directly into your new database via phpMyAdmin. This import will establish the required tables, including products, members, orders, order_items, admins, and login_history, among others.

After setting up the database, configure the application by editing the file includes/config.php. Update the database credentials to match your MySQL settings, specifying the host, database name, username, and password. Ensure the connection uses PDO with UTF-8 encoding and proper error handling.

Adjust file and folder permissions, particularly ensuring directories such as images, videos, and any uploads are writable by the web server to function correctly. To verify your installation, access the public website via your browser by navigating to your configured domain. Additionally, confirm access to the admin panel using admin credentials stored in the admins database table.

Finally, if your application includes email functionalities (e.g., order confirmations or login notifications), verify your PHP mail settings. If necessary, consider configuring scripts with SMTP using a library like PHPMailer to enhance reliability and functionality.