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# Event Scoreboard - LAMP Stack Implementation

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A professional event scoreboard system built with PHP, MySQL, HTML, CSS, and JavaScript.

Live <http://oumatonny-event-scoreboard.42web.io/>

## Features

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- Admin panel for judge management
- Judge portal for scoring participants
- Public scoreboard with auto-refresh
- Professional green, red, and black color scheme
- Kenyan-themed participant names

## Setup Instructions

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### 1. Prerequisites:

- Apache web server
- MySQL database
- PHP 7.0 or higher

## 2. Database Setup:

- Create a database named `event_scoreboard`
- Import the SQL schema from `event_scoreboard.sql`

## 3. Configuration:

- Update database credentials in `includes/config.php`

## 4. Directory Structure:

- Place all files in your web server's document root
- Ensure proper permissions for Apache to write to the directory

# Design Choices

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- **Database Schema:** Used three main tables (judges, users, scores) with proper relationships
- **PHP:** Used PDO for database access with prepared statements for security
- **Frontend:** Responsive design with clean, professional styling
- **Auto-refresh:** Implemented with JavaScript fetch API for dynamic updates

# Assumptions

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- Judges and Admins are Authorized as one
- Judges are pre-assigned to score participants
- Participants are pre-registered in the system

# Future Enhancements

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1. Adding proper user authentication
2. Implementing event management
3. Adding judge assignment to specific participants
4. Including more detailed scoring criteria
5. Adding export functionality for results
6. Implementing real-time updates with WebSockets