**Deployment Plan**

**Project Name:** HealthTracker

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1. **Deployment Plan**

This document outlines the deployment plan for a Laravel-based appointment management system. The project is deployed in a controlled environment for demonstration purposes. The environment is the developer team's own computers and is configured accordingly.

**Deployment Approach:**

* This project was developed using **Laravel** and deployed using **Laragon** as the server environment on a local Windows machine.
* **MySQL** was used as the database management system.
* The backend was developed in **Laravel** framework.
* The frontend was developed in **React** library.

**Tools Used:**

* **Laragon** (for local server environment)
* **PHP** (Laravel framework for backend)
* **React** (JavaScript library for frontend)
* **MySQL** (Database Management System)
* **Composer** (Dependency management in Laragon)
* **Artisan** (Laravel command-line interface)

1. **Deployment Process**

The deployment process followed by these steps:

* 1. Install Laragon and ensure that MySQL, PHP are correctly configured.  
     Set up the virtual host using Laragon’s built-in tool.
  2. After installing Laragon, start the database connections by pressing the start all button at the bottom left. Then open the terminal of Laragon and clone the repository into the Laragon’s project path:  
       
     cd <path\_that\_you\_installed\_laragon>/laragon/www  
     git clone <repository-url>
  3. After cloning the project, go to the Database tab supported by Laragon. Then open the session named “Laragon.MySQL” in the tab that opens and enter the database screen. Then delete the database named **health\_tracker** if it exists and open a new one with the same name and run the query named “**db.sql**” in the path. Tables will be created in this way. Below is the location of the query that will create tables:  
       
     cd HealthTracker  
     ls \*.sql  
     -> db.sql
  4. For running backend, execute the following commands:  
       
     cd backend  
     php artisan migrate  
     php artisan serve
  5. Finally, the website can be seen by going to the URL `localhost:8000` .

1. **Configuration Plan**

* **Database Configuration:** Managed by “**.env”** file
* **Web Server:** Apache (via Laragon)
* **PHP Version:** 8.1 +
* **MySQL Version:** 8.0+

**TASK MATRIX**

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| Kaan ÖNEN | Deployment Overview |
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