Health Monitoring System Deployment Documentation

Table of Contents

1. Introduction

The Health Monitoring System is a comprehensive software solution designed to empower individuals by enabling them to monitor and manage their health data effectively. This deployment documentation outlines the necessary steps to install, configure, and deploy the system in a production environment.

2. Prerequisites

Before deploying the Health Monitoring System, ensure the following prerequisites are met:

Java Development Kit (JDK) *installed (version 11 or higher recommended).*

PostgreSQL *database installed and running.*

Git *installed for source code retrieval.*

Access to the system's source code repository.

3. Installation

3.1. Accessing the Repository:

If you do not have Git installed, download and install it from Git's official website.

Open a terminal or command prompt window.

Clone the repository by running the following command:

$$git\ clone\ https://github.com/infuriated-mink/Semester3-Java-FInal$$

Navigate to the directory where the repository has been cloned

3.2. Compiling the Source Code:

- Ensure that Java JDK is installed on your system. If not, download and install it from Oracle's official website or use a package manager for your operating system.
- Compile the source code using the Java compiler:

$$javac\ HealthMonitoringApp.java$$

3.3. Running the Application:

- Run the compiled Java program:

$$java\ HealthMonitoringApp.java$$

- The Health Monitoring System will be executed in the terminal or command prompt, providing access to its
- functionalities and features..

4. Configuration

Configure the system based on your environment:

- **Database Configuration**:

    - Locate the SQL files to load into your database.

    - Update the database connection settings (URL, username, password) to match your PostgreSQL setup in DatabaseConnection.java.

5. DEPLOYMENT

To deploy the Library Management System, follow these steps:

1. Open a terminal or command prompt window.

2. Navigate to the directory where the system's source code is located.

$$cd \text{ name of directory}$$

3. Compile the source code using the Java compiler. For example:

$$javac\ HealthMonitoringApp.java$$

4. Run the compiled Java program. For example:

$$java\ HealthMonitoringApp.java$$

5. The system should now be deployed and accessible via the configured interface.

6. Troubleshooting

If issues arise during deployment:

- *Check application logs for errors.*

- *Ensure all prerequisites are correctly installed and configured.*

- *Review database connection settings for accuracy.*

- *Consult the project's README or developer documentation for specific setup instructions.*

7. Maintenance

Maintain the Health Monitoring System by:

- *Regularly updating the JDK and PostgreSQL to their latest versions.*

- *Monitoring system performance and addressing any issues.*

- *Applying updates to the application as they become available.*

8. Conclusion

Deploying the Health Monitoring System is a significant step towards enhancing personal health management. By following this documentation and maintaining the system, users and healthcare professionals can leverage the full capabilities of the application to monitor and improve health outcomes.