Installation Guide

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1. MySQL Installation and Configuration

1. Install MySQL and set a root password. Create another user and set its password.
2. Follow the instructions from the `02 mysql Instances configuration.txt` file to create MySQL instances (instance0-3).
3. Connect to each instance and change the root password and create a new user with the following steps:
    a. **Example** for `instance0`:
        i. Locate the root password in the `DELPHI-K.err` file in the folder `C:\apps\instances\instance0\data`.
        ii. Run the command:
        `C:\Windows\System32>mysql -u root -p --port=3307`

            1. Enter the password found in the `DELPHI-K.err` file.
            2. Change the root password with the following query:
            `ALTER USER 'root'@'localhost' IDENTIFIED BY 'welcome';`

        iii. Create a new user `instance0`:

```
CREATE USER 'instance0'@'%' IDENTIFIED BY 'welcome';
GRANT ALL PRIVILEGES ON *.* TO 'instance0'@'%' WITH
GRANT OPTION;
FLUSH PRIVILEGES;
```

iv. Exit MySQL and reconnect with the new user `instance0`:
`mysql -u instance0 -p -P 3307`

4. Repeat the steps for all instances (instance1-3).

2. MySQL Instances Creation and Configuration

1. Follow the instructions in the `02 mysql Instances configuration.txt` file to create instances (instance0-3).
2. Connect to each instance and change the root password, then create a new user and set its password.
3.

3. MySQL Workbench Configuration

1. Configure MySQL Workbench as per the installation instructions provided for your environment.

4. Python Installation

1. Uninstall any existing Python versions.
2. Install Python LTS (Long Term Support version).
3. Set the Python path by running the following command:

```
C:\Windows\System32>python --version
```

4. Verify the Python installation path:

```
C:\Windows\System32>where python
```

Sure! Here's the outline for the installation guide based on the content you provided:

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5. Node JS Installation

1. Install Node.js. This will also install a version of Python.
2. Wait for the installation process to complete, which may take a while.
3. Verify Node.js installation:

   ```
   C:\Windows\System32>node -v
   ```

4. Verify npm (Node Package Manager) version:

   ```
   C:\Windows\System32>npm -v
   ```

5. Verify Python installation:

   ```
   C:\Windows\System32>where python
   ```

6. Virtual Environment Configuration

1. **Python Virtual Environment Configuration** (for example, configure the folder C:\SAS Opera\Companies\Company_0\system\application\AppService):

   Command Prompt Setup:

   a. Navigate to the directory:
   ```
   cd C:\SAS Opera\Companies\Company_0\system\application\AppService
   ```

   b. Create a virtual environment:
   ```
   python -m venv erpenv
   ```

   c. Activate the virtual environment:
   ```
   erpenv\Scripts\activate
   ```

   VS Code Terminal Setup:

   d. Navigate to the folder in VS Code terminal:
   ```
   PS C:\SAS Opera\Companies\Company_0\system\application\AppService> python -m venv erpenv
   ```

   e. Activate the virtual environment:
   ```
   PS C:\SAS Opera\Companies\Company_0\system\application\AppService> .\erpenv\Scripts\Activate.ps1
   ```

2. Open the environment in VS Code:
    a. In Windows File Explorer, navigate to C:\SAS Opera\Companies\Company_0\system\application\AppService.
    b. Open this folder in cmd and run code . to open VS Code.
    c. Once in VS Code, open the terminal and activate the virtual environment.
3. Check if the requirements.txt file exists in the project's path (AppService). If it exists, run:

```
bash
Copy code
python.exe -m pip install --upgrade pip
pip install flask
pip install requests
pip install numpy
pip install -r requirements.txt
pip freeze > requirements.txt
flask run --port=8000
```

7. GitHub Configuration

1. Create two folders AppService and WebClient in C:\SAS Opera\Companies\Company_1\system\application.
2. Navigate to the directory:

```
cd C:\SAS Opera\Companies\Company_1\system\application
```

3. Clone the repositories:

```
git clone https://github.com/Vedam123/TransactWiseFrontend WebClient
git clone https://github.com/Vedam123/TrasactWiseBackend AppService
```

8. VS Code Installation and Setup

1. Install VS Code and verify installation:

```
C:\Windows\System32>code --version
```

2. Verify VS Code location:

```
C:\Windows\System32>where code
```

3. Open the folder in VS Code and activate the virtual environment in the VS Code terminal.

8. Appendix

More detailed steps are in the text file **configurations instructions.txt** file