

pgvocalizer

Vocalizer for Postgres query plan

Installation

Tested on Windows 10 and Python 3.6

1. Install the pip requirements

```
$ pip install -r requirements.txt
```

2. Edit the `.env` file and fill in all of database connection details
3. Run `ui.py`

```
$ python ui.py
```

Usage

The screenshot shows the QEP Vocalizer web application interface. It has a light blue header with the title 'QEP Vocalizer'. The main content area is divided into four sections, each with a label on the left and a text input area on the right. The 'Input Query' section contains a SQL query. The 'Query Execution Plan Result' section contains a JSON object representing the query execution plan. The 'Input Query Execution Plan' section contains a JSON object representing the query execution plan. The 'Text description result' section contains a human-readable description of the query execution plan. On the right side of the interface, there are four buttons: 'Get query execution plan', 'Get text description of your query plan', 'Vocalize the text description', and 'Vocalize the text description'.

- **Input Query:** You can input your query here to generate the QEP in JSON format
- **Query Execution Plan Result:** The QEP in JSON format from query above will be displayed here
- **Input Query Execution Plan:** Input the QEP in JSON format here, you can copy paste from the **Query Execution Plan Result** or query Postgres using:

```
EXPLAIN (FORMAT JSON) [your_query_here]
```

- **Text description result:** The natural language translated of the QEP is displayed here.