

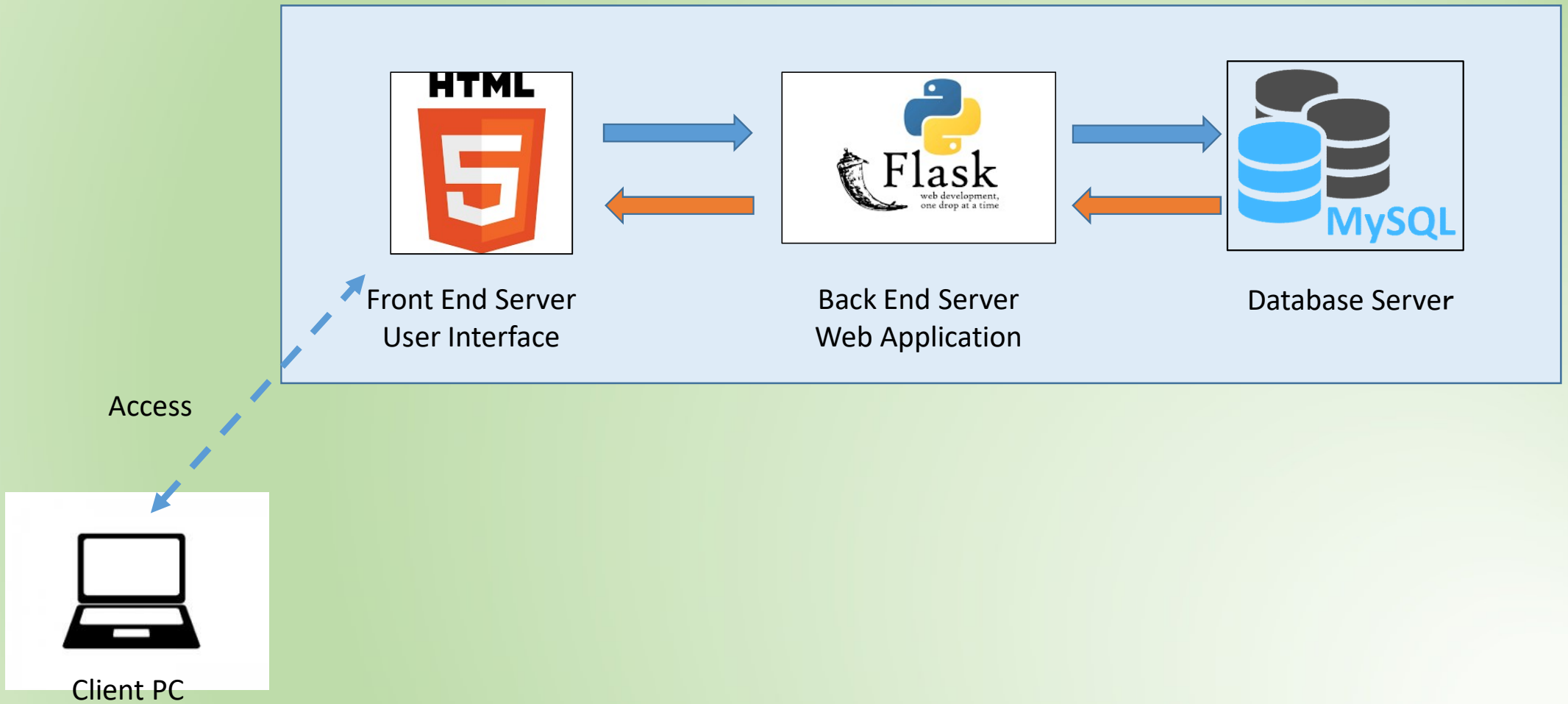
# Data Reference System

Explanation & Implementation Manual

May, 2021

# Whole System

## Data Reference System



# Typical Operation

Index.html

## Form Sample(get)

Where do you want to go?

Afgahanistan : ☒

Australia : ☐

England : ☒

France : ☒

SEND

When countries are selected & "SEND"  
clicked, Related information is displayed.

Index2.html

1:[{'Country': 'Afgahanistan', 'Agency': 'ABC Travel', 'email': '123@gmail.com'}]

2:[{'Country': 'England', 'Agency': 'GHI Travel', 'email': '789@hotmail.com'}]

3:[{'Country': 'France', 'Agency': 'JFK Travel', 'email': '1111@yahoo.co.jp'}]

Access using port TCP5000



Client PC



# Methodology for System Implementation

## ➤ **simple and cost effective methodology**

For PoC, Python Flask and Mysql DB on Linux VM instance.

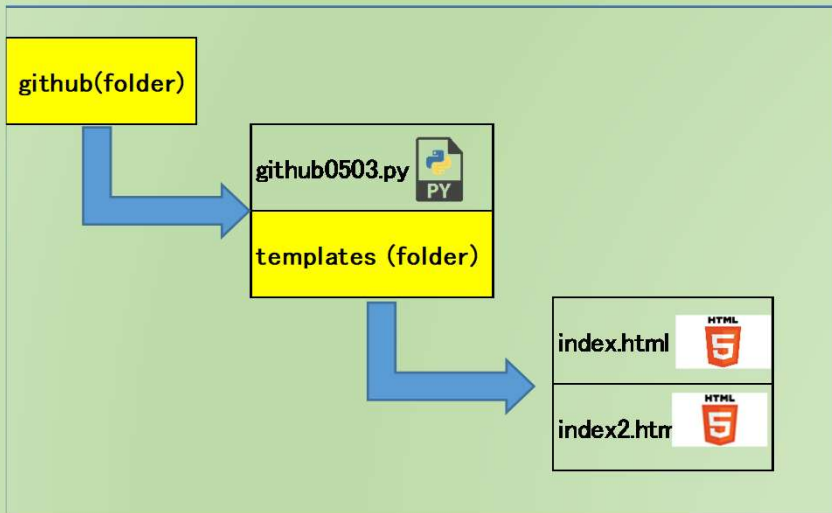
- Ubuntu 20.04 LTE
- Python 3.8.3
- Flask 1.1.2
- Jinja2
- Mysql 8.0.24
- HTML 5

## ➤ **cloud oriented methodology**

For PoC, AWS cloud accessed by Putty

# Sample Code /Data

## Folder Structure



## Sample Data

```
mysql> select * from tb3;
```

Country	Agency	email
Afgahanistan	ABC Travel	123@gmail.com
Australia	DEF Travel	456@yahoo.com
England	GHI Travel	789@hotmail.com
France	JFK Travel	1111@yahoo.co.jp

```
4 rows in set (0.00 sec)
```

## <Code>

github0503.py → [https://github.com/kazu0116/web\\_application/blob/main/Python\\_Flask\\_Jinja2/github0503.py](https://github.com/kazu0116/web_application/blob/main/Python_Flask_Jinja2/github0503.py)

index.html → [https://github.com/kazu0116/web\\_application/blob/main/Python\\_Flask\\_Jinja2/templates/index.html](https://github.com/kazu0116/web_application/blob/main/Python_Flask_Jinja2/templates/index.html)

index2.html → [https://github.com/kazu0116/web\\_application/blob/main/Python\\_Flask\\_Jinja2/templates/index2.html](https://github.com/kazu0116/web_application/blob/main/Python_Flask_Jinja2/templates/index2.html)

## <Data>

Sample data (Data Insert) → [https://github.com/kazu0116/web\\_application/blob/main/mysql\\_sample\\_data/sample\\_data.txt](https://github.com/kazu0116/web_application/blob/main/mysql_sample_data/sample_data.txt)