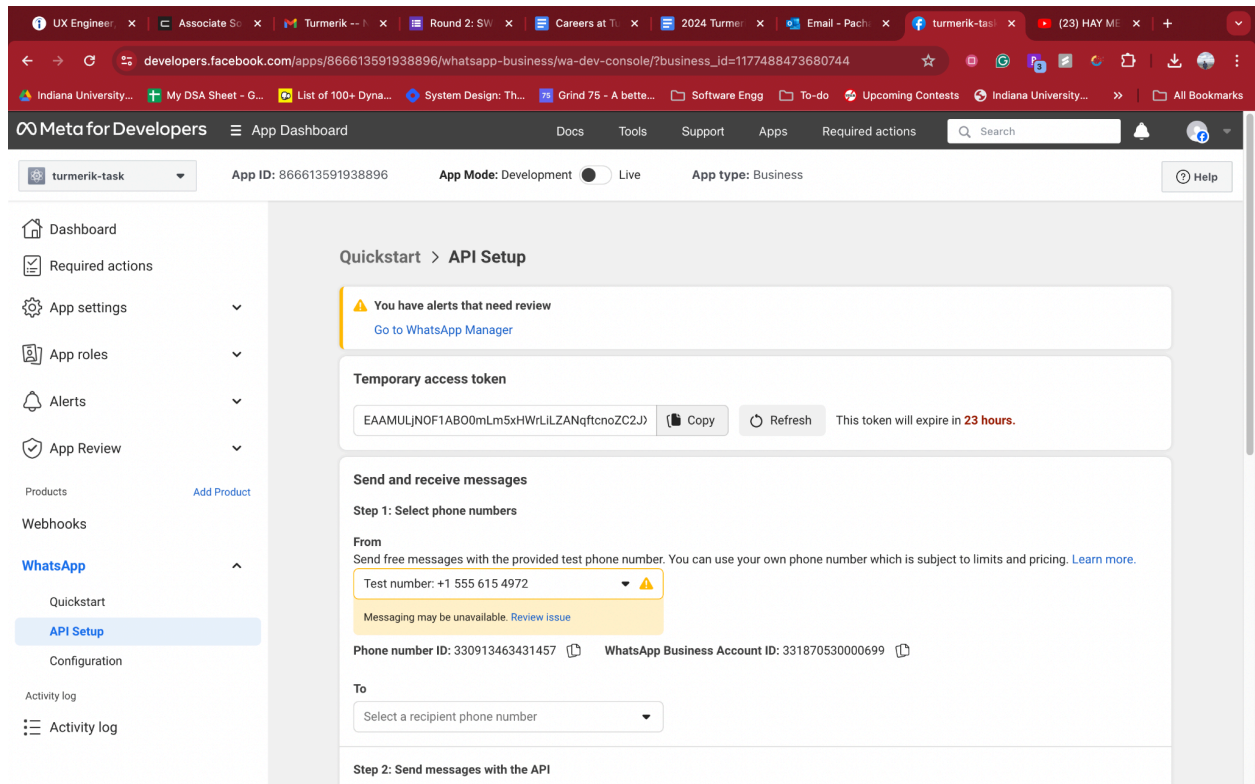# Setup Guide

1. Whatsapp Bot

Requirements:

Meta Business Account (Meta for Developers)

```
# You would need the following details from your Meta Business
account which would be used to populate the environment variables
file (.env.local). You can find these details at App Dashboard.
ACCESS_TOKEN="" # This token expires after 24 hours. You can get a
new one from the your Meta App Dashboard > API Setup
APP_ID=""
APP_SECRET=""
RECIPIENT_WAID="" # Your WhatsApp number with country code (e.g.,
+31612345678)
VERSION="v19.0"
PHONE_NUMBER_ID=""
VERIFY_TOKEN="" #Any pin of your choice, use it while setting up
ngrok
```

Python installations:
Logging
Flask
Dotenv
Requests
Json
Pandas
Firebase_admin
Functools
Hashlib
Hmac
ngrok

Firebase JSON setup file (Covered in the Firebase setup)

2. ReactJSX

Requirements:
ReactJS, npm installation

Create the node_modules folder for this project:
$ npm install

Npm packages for installations:

```
React-router-dom"

firebase
```

3. Firebase

Requirements:

Firebase Account
New Firebase App
        I. Authentication Setup
        II. Storage Setup

Use both the setup for React app, place firebase.js obtained from the user portal in the root directory of react app.
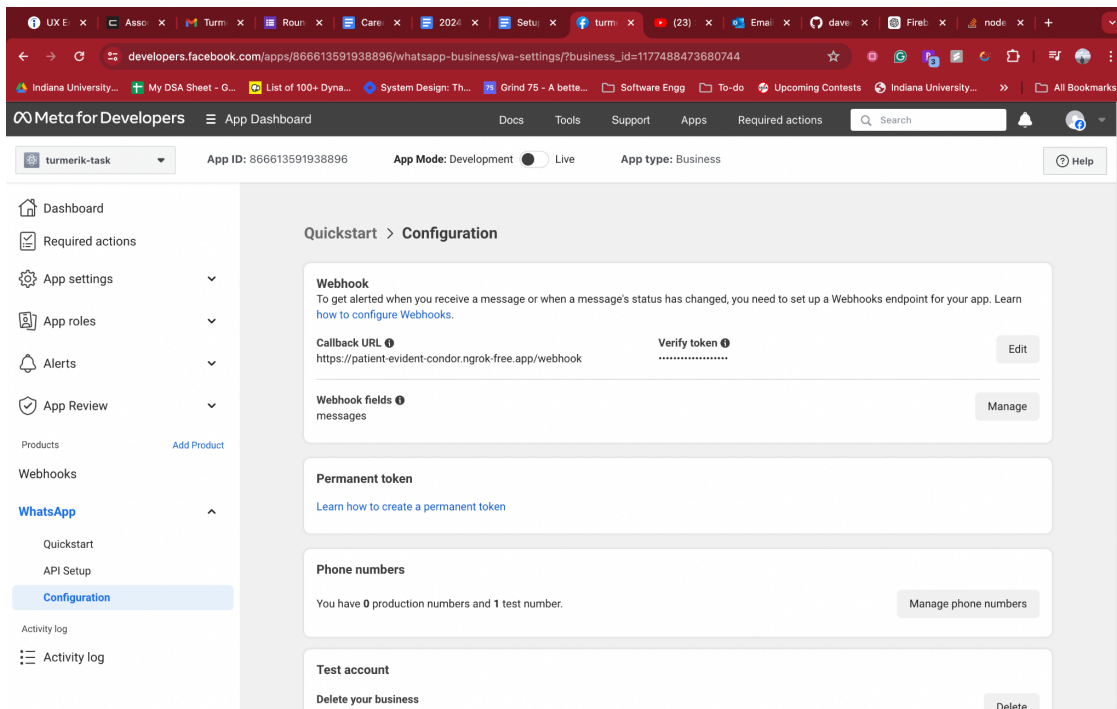
Create firebase_config.py for the Flask app in its root directory:

```python
import firebase_admin
from firebase_admin import credentials, storage
cred =
credentials.Certificate("turmerik-whatsapp-bot-firebase-adminsdk
-kfdbi-174a20d593.json")
firebase_admin.initialize_app(cred, {
    'storageBucket': 'turmerik-whatsapp-bot.appspot.com' #replace
it with your firebase app.
})
bucket = storage.bucket()
```

Get JSON file from firebase storage setup and place it in the root folder: the filename should look like: "turmerik-whatsapp-bot-firebase-adminsdk-kfdbi-174a20d593.json"

4. Ngrok (For testing purposes)

Create a new ngrok account and use it to set up the webhook in the Meta Business app to detect changes in Whatsapp status, incoming messages, etc. On the Meta developer dashboard add the ngrok provided URL as the callback URL and a verify token of your choice.

On 3 terminal windows:

In Flask app directory: python3 run.py
In the React app directory: npm start
In Flask app directory: ngrok http 5000 --domain your.ngrok-free.app

You should be up and running to test the Whatsapp bot.