**how to build a app that contains prayer times and inform the user that Fajr time started please pray stop other things similarly for Zohar Asr, Magrich Isha not on Mobile App it should be on Laptop or Desktop using Python**

**Response:**

Building an application that notifies users of prayer times and reminds them to pray at specific times can be done using Python. Below are the steps and a basic example to help you get started:

**Steps to Build the Application:**

1. **Set Up the Environment:**
   * Ensure you have Python installed on your laptop or desktop.
   * Install necessary libraries using pip.
2. **Get Prayer Times Data:**
   * You can use an API to get prayer times. One popular API is the Aladhan API.
3. **Schedule Notifications:**
   * Use a scheduling library like schedule or APScheduler to run tasks at specific times.
4. **Send Notifications:**
   * Use libraries like plyer for cross-platform notifications.

**Example Code:**

1. **Install Required Libraries:**

pip **install** requests schedule plyer

1. **Code to Fetch Prayer Times and Notify User:**
2. import requests
3. import schedule
4. import time
5. from datetime import datetime
6. from plyer import notification
7. *# Function to fetch prayer times from Aladhan API*
8. def **get\_prayer\_times**():
9. *# Replace with your actual city and country or use coordinates*
10. city = "YourCity"
11. country = "YourCountry"
12. response = requests.get(f"http://api.aladhan.com/v1/timingsByCity?city={city}&country={country}&method=2")
13. data = response.json()
14. return data['data']['timings']
15. *# Function to send notification*
16. def **notify**(prayer\_name):
17. notification.notify(
18. title=f"Time for {prayer\_name} Prayer",
19. message="Please stop other things and pray.",
20. timeout=10
21. )
22. *# Schedule notifications*
23. def **schedule\_notifications**():
24. prayer\_times = get\_prayer\_times()
25. for prayer, time\_str in prayer\_times.items():
26. prayer\_time = datetime.strptime(time\_str, "%H:%M").time()
27. schedule.every().day.at(prayer\_time.strftime("%H:%M")).do(notify, prayer)
28. *# Run the scheduler*
29. def **run\_scheduler**():
30. schedule\_notifications()
31. while True:
32. schedule.run\_pending()
33. time.sleep(1)
34. if \_\_name\_\_ == "\_\_main\_\_":

run\_scheduler()

**Explanation:**

1. **Fetching Prayer Times:**
   * The get\_prayer\_times function fetches prayer times using the Aladhan API. You need to replace YourCity and YourCountry with actual values or use geographical coordinates.
2. **Sending Notifications:**
   * The notify function uses the plyer library to send notifications to the user.
3. **Scheduling Notifications:**
   * The schedule\_notifications function schedules notifications at the specific prayer times using the schedule library.
4. **Running the Scheduler:**
   * The run\_scheduler function continuously checks and runs scheduled tasks.

**Note:**

* This is a basic example and might need adjustments for different time zones, daylight saving changes, or other local considerations.
* Ensure you handle exceptions and errors, such as network issues or API changes, for robustness.

This should help you get started on building your prayer time notification application using Python for a laptop or desktop.