ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
            ┌─────────────────┐
            │   Establish     │
            │  connection to  │
            │    database     │
            └─────────────────┘
                    │
                    ▼
            ┌─────────────────┐
            │Inserting the data from│
            │ API to the database │
            │ both current and past│
            │      7 days     │
            └─────────────────┘
                    │
                    ▼
            ┌─────────────────┐
            │  Fetching data  │
            │ for current day │
            └─────────────────┘
                    │
                    ▼
              ╱───────────╲                ┌─────────────────┐
             ╱ checks the   ╲   no          │  Display error  │
            ╱  city and if    ╲────────────▶│     message     │
            ╲  the city is    ╱             └─────────────────┘
             ╲   valid       ╱
              ╲───────────╱
                    │ yes
                    ▼
            ┌─────────────────┐            Aashutosh Dahal
            │ display the data of│             2332267
            │   the default   │
            │ city(Leeds) or the│
            │   enterd city   │
            └─────────────────┘
                    │
                    ▼
              ╱───────────╲                ┌─────────────────┐
             ╱ checks the   ╲   no          │  Display error  │
            ╱  city and      ╲────────────▶│     message     │
            ╲ if the city name is╱          └─────────────────┘
             ╲   valid       ╱
              ╲───────────╱
                    │ yes
                    ▼
            ┌─────────────────┐
            │  fetching and   │
            │ displays the data│
            │  of past 7 days │
            └─────────────────┘
                    │
                    ▼
                    ◉
```
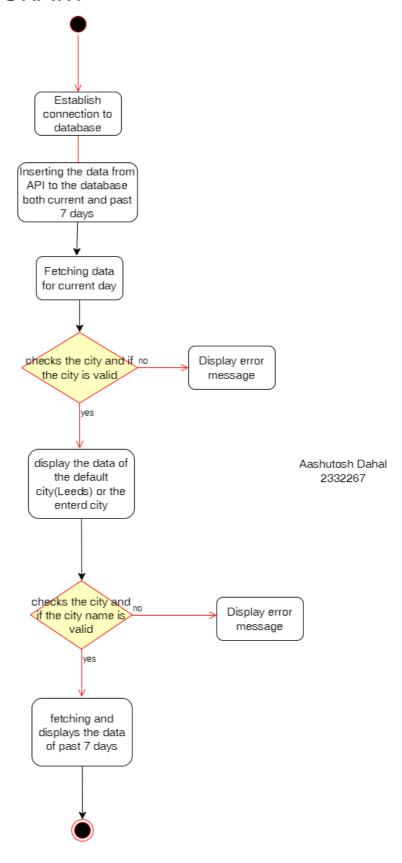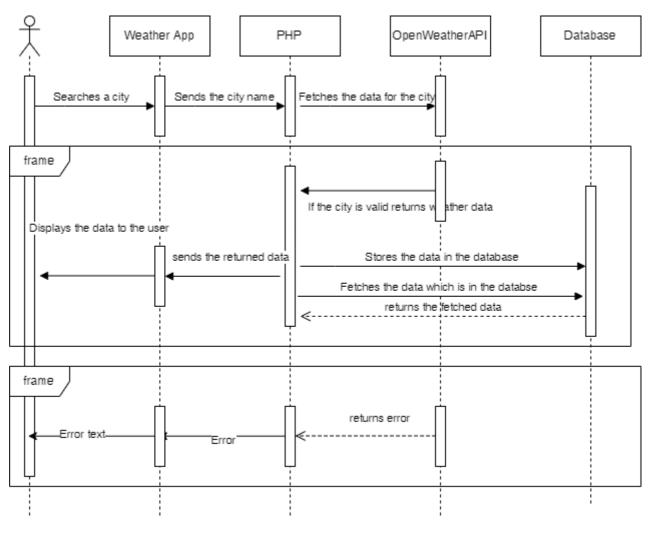
SEQUENCE DIAGRAM

Aashutosh Dahal
2332267

DEPLOYMENT DIAGRAM

Open weather API

<<artifact>> Current weather dta

<<artifact>> History weather data

Weather App

<<artifact>> Weather App

Apache server

<<artifact>> PHP

Database Server

<<component>> My SQL

<<artifact>> Weather Data

User Device

<<component>> Web browser

Deployment
Diagram
Aashutosh Dahal
2332267