

Travel Buddy - Installation Guide

This installation guide provides a detailed step-by-step guide for setting up and running the TravelBuddy application on a local machine.

Prerequisites

Ensure the following software is installed on your system:

- Python 3.8 or later
- pip (Python package manager)
- Git (optional but recommended)
- Virtual environment module (venv)
- Visual Studio Code or another code editor
- Internet access for API integration

Step-by-Step Instructions

1. Download or Clone the Project Repository

Option A – Clone using Git:

```
git clone https://github.com/yourusername/All-in-one-travel-app-main.git
cd All-in-one-travel-app-main/capstone
```

Option B – Manually download the ZIP file:

- Extract the zip file
- Navigate to the capstone/ folder

2. Create and Activate a Virtual Environment (Recommended)

```
python -m venv venv
source venv/bin/activate    # For macOS/Linux
venv\Scripts\activate      # For Windows
```

3. Install Required Dependencies

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

If the requirements.txt file is not present, install dependencies manually:

```
pip install flask requests python-dotenv
```

4. Configure Environment Variables

Create a file named `.env` inside the capstone directory and add the following API keys:

```
GOOGLE_API_KEY=your_google_api_key  
WEATHER_API_KEY=your_openweather_api_key  
TICKETMASTER_API_KEY=your_ticketmaster_api_key
```

Replace each value with your actual API key. These keys are required for attractions, weather, and event modules to function properly.

5. Run the Application

If successful, Flask will start a local server on:

`http://127.0.0.1:5000/`

Open this link in your web browser to use TravelBuddy locally.