Globetrotter User Manual

Introduction

The Globetrotter mobile app provides an easy way for travel enthusiasts to create travel itineraries and find new destinations to travel to! Some features include:
- Creating an account
- Creating an itinerary based on travel preferences
- Viewing itineraries
- Saving itineraries to profile
- Adding dream destinations to wishlist

Compatibility

The Globetrotter user-friendly app is compatible with all mobile devices.

Contact

Questions or issues regarding the app may be resolved by contacting the creator of Globetrotter, Owen Dewing, at @odewing@lion.lmu.edu

Installation

Github
Create or sign into an existing Github account.

Visual Studio Code
Install Visual Studio Code on a computer. Ensure you have the latest update by clicking Settings and clicking on 'Check for Updates'.

Python 3.7+ and npm are also necessary to run this app.

Open a terminal in Visual Studio Code by hitting Ctrl + Shift + `.
Enter the following command to git clone the Globetrotter repository:
`git clone https://github.com/owendewing/globetrotter`

Open the folder in which the Globetrotter Github repository was copied
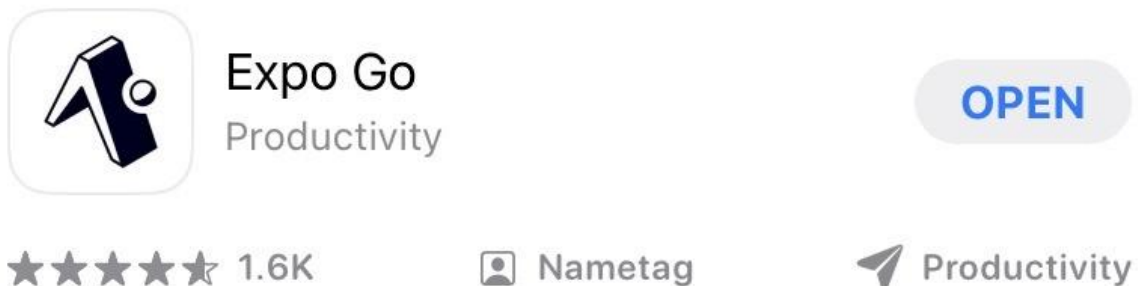by entering the corresponding path.

Then:
`cd Globetrotter_App`
`cd Globetrotter`
`cd frontend`

To install all the necessary packages, enter the command:
`npm install`

To install the backend requirements:
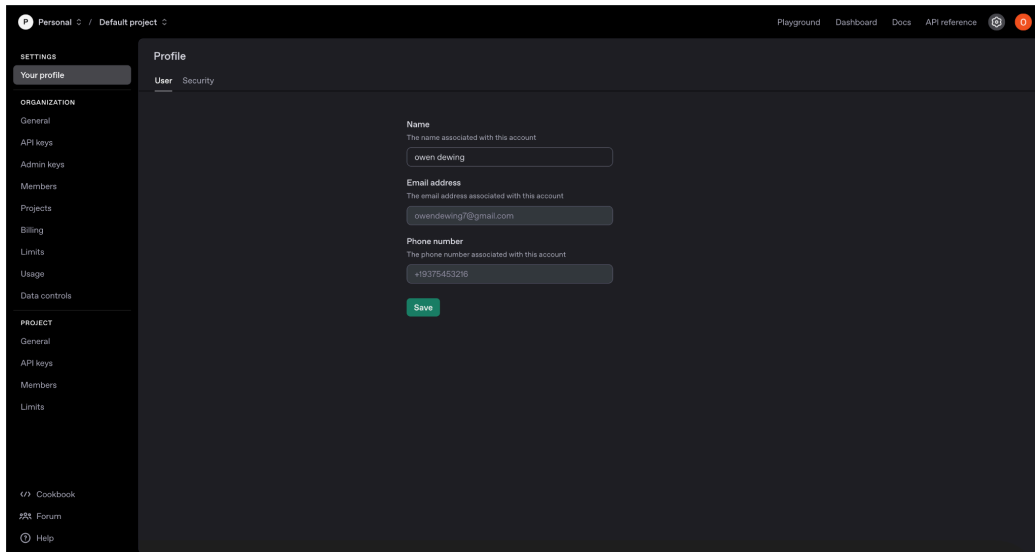`cd ../backend`
`pip install -r requirements.txt`

Expo Go
Download Expo Go from your App Store for IOS devices or Google Play
Store for Android devices. Create or sign in to an existing account.

Starting the Software

To generate travel itineraries, Globetrotter uses the OpenAI API.
You'll need to create an account and provide your own API key:

1. Go to platform.openai.com and sign in or create a free account.

2. Click your profile icon (top right) → **"API Keys"** → **"Create new secret key."**

3. Copy the API key (you will not be able to see it again).

Create a .env file in the backend folder:

In your terminal:

```
cd backend
touch .env
```

Then open .env in your code editor and add:

```
OPENAI_API_KEY=your-api-key-here
```
Place your api key where it says your-api-key-here.

Remember to not use quotes or share your API key.

Finally, navigate to constants.ts, and replace ip with your ip address (check via ifconfig on Mac or ipconfig on Windows). This will allow you to locally run Globetrotter from your computer or phone.
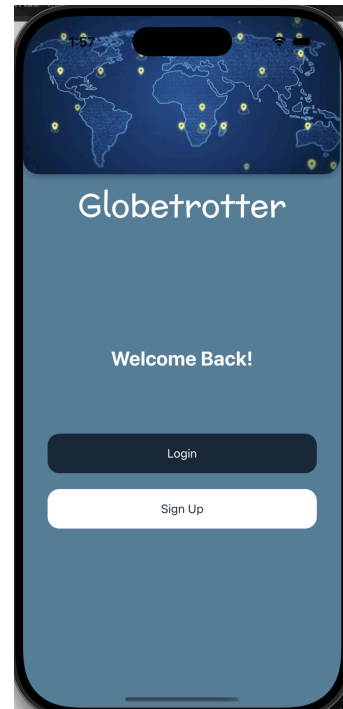
Then you should be good to go! To run the app, open up 2 terminals. In the first terminal, navigate to backend again (cd backend), and type Python3 main.py. This will start up the backend.

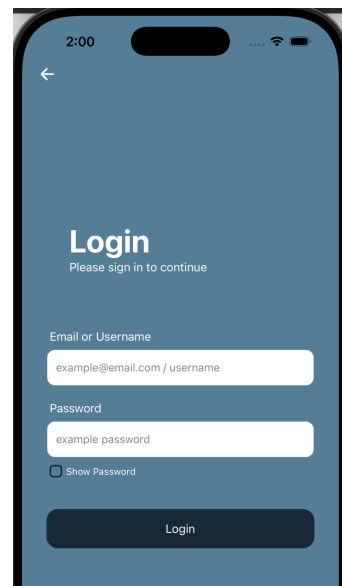To start up the front end, navigate to frontend (cd frontend), and type `npx expo start.`

From the terminal, scan the QR code using the camera on your mobile device. This will open up the Globetrotter app from the Expo Go app. Or, you can run it on an ios simulator by pressing "i". If you are running it on your phone, make sure your phone and computer are connected to the same wifi network.

Logging In

When you first open the app, you will be prompted with this screen. To create an account, press the "Sign Up" button. There will be able to input your full name, username, password, and email.
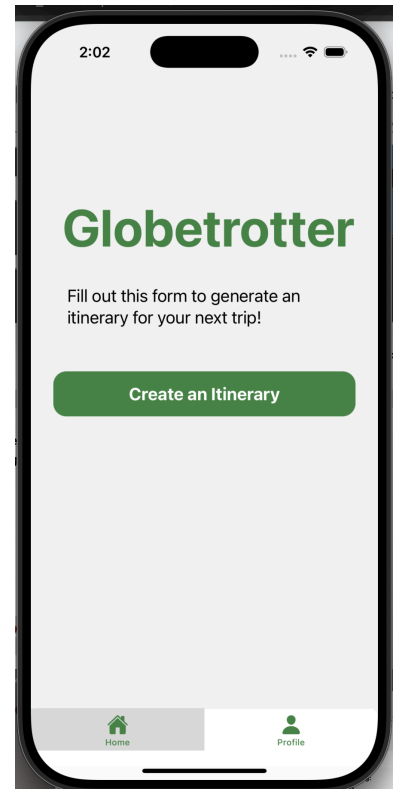
Once you sign up, use that information to login on the login page. Once you enter your information, press "login" and you will be navigated to the home page.
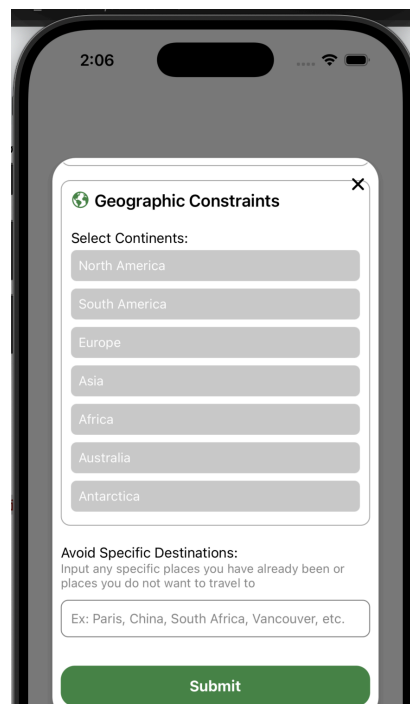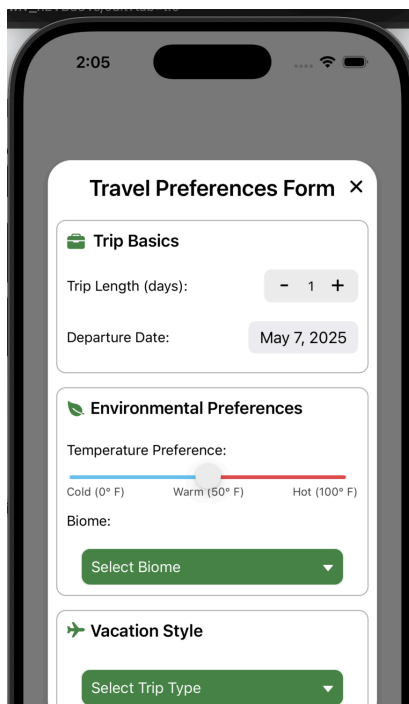
Home

This is what the UI will look like once you successfully log in. There is a home and profile tab bar on the bottom of the screen. To get started generating itineraries, press the Create an Itinerary button!
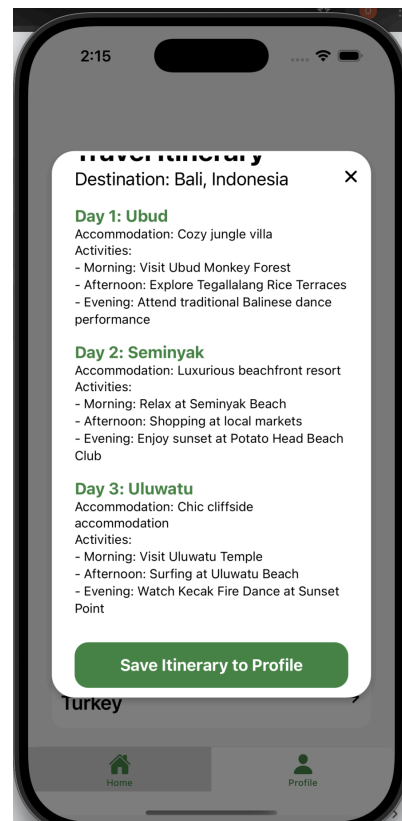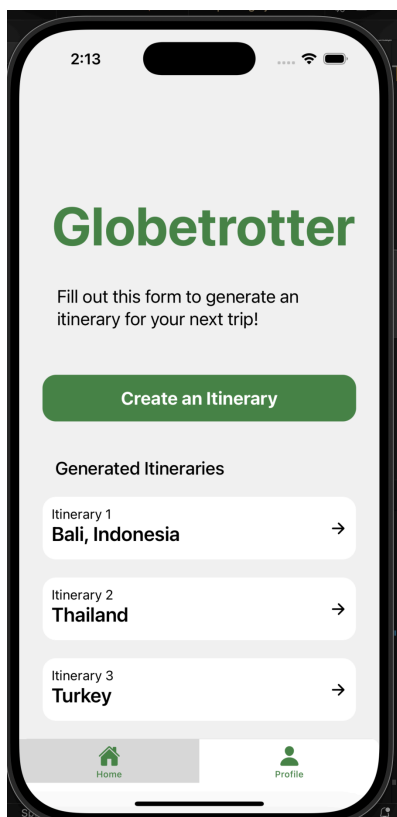

Creating an Itinerary

Here is the UI for the Travel Preferences Form! Here, you can input information about your upcoming trip, like the amount of days, the departure date, the temperature preferences, etc. You can leave certain sections blank if you don't have a preference. Once you are satisfied with your trip, press "Submit".
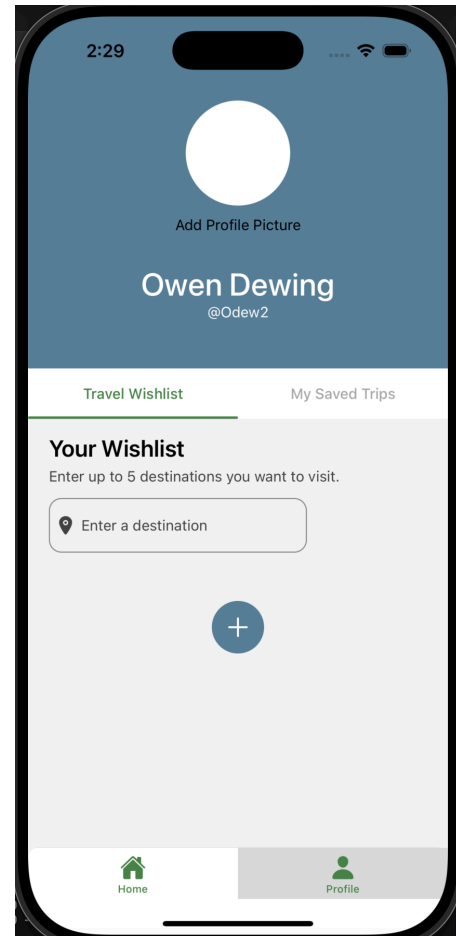
Generated Itineraries

Once you submit the form, it should take a few seconds to load, and then you will see three generated itineraries on the home page. You can click on each itinerary, and scroll through them. If you like one of the itineraries, you can click "Save Itinerary to Profile".

Profile

To navigate to the profile page, press the
profile icon in the bottom right. The
profile page will display your full name,
user name and profile picture. To change
your picture, press "Add a Profile
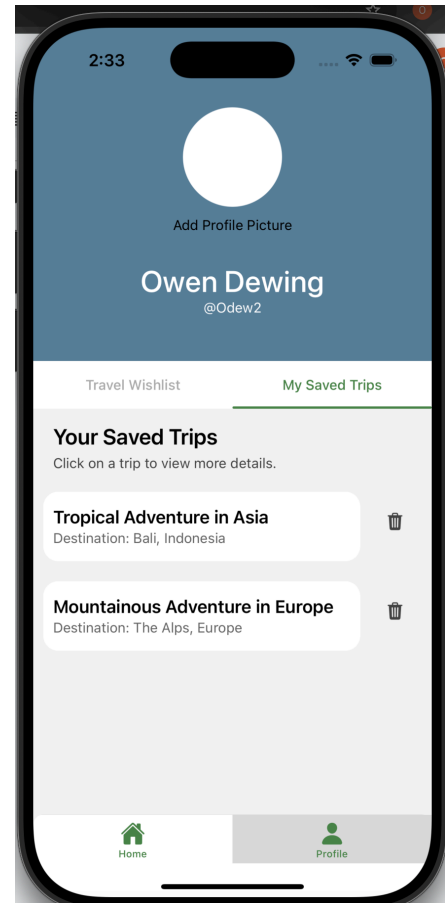Picture". You will then be able to choose
any image from your camera roll.

Wishlist

The Wishlist section is a spot where you can add destinations that you
really want to travel to. Press the blue plus button to add another
destination, and press the garbage can button if you want to delete
one of the destinations you put. You can have up to 5. I wanted to
have the user be able to create an itinerary from the wishlist, but
that is out of scope for this semester, but is something I will work
on after.

My Saved Trips

Press the "My Saved Trips" tab bar button next to the "Travel Wishlist" button to navigate to the saved trips tab. There, you should see any itineraries that you chose to save. You can view them again, or delete them if they are unneeded.

Stopping the Software

To stop the software hit Ctrl + C in the Visual Studio Code terminal.

Uninstall

Uninstall Visual Studio Code and the Expo Go app if they are no longer needed.

Troubleshooting

Trouble locating the cloned repository?
   ➔ Ensure you are in the right folder.

Need help in troubleshooting? Reach out to the Globetrotter support team at odewing@lion.lmu.edu.