# Coffee Ordering Platform Help

Welcome to the Coffee Ordering Platform! This platform allows developers to easily create coffee orders and manage the infrastructure using CDK for Terraform.

## Getting Started

To get started with the Coffee Ordering Platform, follow the steps below:

1. Clone the Repository: Clone this Git repository to your local machine using the following command:

git clone <repository-url>

Replace `<repository-url>` with the actual URL of the repository.

1. Install Dependencies: Navigate to the `coffee-ordering-platform` directory and install the project dependencies by running the following command:

npm install

1. Provision the Infrastructure: To provision the infrastructure, run the following command:

npx cdktf synth

1. Deploy the Infrastructure: Deploy the infrastructure using the following command:

npx cdktf deploy

1. Create Orders: Create coffee orders by creating a folder for each order in the `my-order-folder` directory. Inside each order folder, create a file for each item in the order. The file name should represent the item, and the file contents should indicate the quantity of that item.
2. Manage Orders: You can modify existing orders by updating the respective files in the order folders. Add, remove, or update the items as needed.
3. Destroy Infrastructure: To clean up the infrastructure and destroy all resources, run the following command: npx cdktf destroy

### Coffee Types

The Coffee Ordering Platform supports two different coffee types:

1. \*\*Espresso\*\*

- Description: A concentrated form of coffee served in small, strong shots.

- Ingredients: ground coffee, hot water.

- Price: $2.99

2. \*\*Latte\*\*

- Description: Espresso with steamed milk and a small amount of foam.

- Ingredients: espresso, steamed milk, foam.

- Price: $3.99

### Folder Structure

The `my-order-folder` directory is used to create orders. Each folder within the `my-order-folder` represents a separate order. Inside each order folder, create a file for each item in the order, with the file name representing the item and the file contents indicating the quantity.

Example:

my-order-folder/

├─ order-1/ │

├─ coffee.txt (2) │

├─ latte.txt (1)

├─ order-2/ │

├─ espresso.txt (3) │

├─ coffee.txt (1)

In the above example, `order-1` contains two coffees and one latte, while `order-2` contains three espressos and one coffee.

### Testing

A testing suite has been included to verify the correctness of the infrastructure setup. To run the tests, use the following command:

npm run test

The tests validate the presence of expected resources and ensure that the CDKTF synthesizes the infrastructure correctly.

Happy coffee ordering!