#### User Guide

#### **Production Server**

https://apollo.lomejo.co.za

## Login Credentials

Administrator

admin@paradox.com : secret

Manager

manager@paradox.com : secret

Sales

sale@paradox.com: secret

## **Getting Started**

Using the Customers tab

- 1. Creating a customer (Manager and Admin only): From the customer's tab, go to the top right of the screen and click on *Create* 
  - a. Define the new customers details
  - b. Click Save Changes
- 2. Editing a customer (Manager and Admin only): From the customer's tab, click on a customer's name and then on Actions in the top right
  - a. Select edit
  - b. Change the customer's details as needed
  - c. Click Save changes
- 3. Archiving a customer: From the customer's tab, click on a customer's name and then on Actions in the top right
  - a. Clicking Archive will then archive the customer in the database
- 4. Accessing sales to a customer: From the customer's tab, click on a customer's name
  - a. Clicking Sales will display all of the company's sales to that customer
- 5. Creating a sale to a specific customer: From the customer's tab, click on a customer's name and then on Actions in the top right
  - a. Select Sale
  - b. Define the new sales details
  - c. Create Sale

#### Accessing the Products tab

- 1. Navigate to the *Products* tab located on the sidebar under *Resources*.
- 2. From here you can view details of all of the company's available products
- 3. The products list can be ordered by SKU, Supplier, Description, Cost Price, Retail Price, and RSP by clicking on the respective column's headers
- 4. You can view more specific details of a product by clicking on that product's SKU, and you can find the companies supplier of that product by clicking on the products Supplier

#### Using the Products tab:

- 1. Creating a product (Manager and Admin only): From the product's tab, go to the top right of the screen and click on *Create* 
  - a. Define the new products details
  - b. Click Save Changes
- 2. Editing a product: From the products tab, click on a product's SKU and then on Actions in the top right.
  - a. Select edit
  - b. Change the products details as needed
  - c. Click Save Changes

## Navigating a specific product:

- 1. After clicking on a product's SKU from the products tab, you will find a page with additional information on that product
  - a. A graph indicating the monthly sales of that product over the past year, and a forecast of the estimate sales in the next 3 months
  - b. A manual forecast (i.e. a planned estimate of sales based on a recently developed sales plan for the business) can be created by clicking on Actions in the top right and then clicking Manual Forecast
  - c. Define the new forecasts details
  - d. Click Save Changes
  - e. The forecast will then be calculated and displayed on the graph
  - f. Individual tabs leading to the Sales, Purchases, and Supplier of that product can be clicked.
  - g. Clicking Account will show that products basic details
  - h. An orange display indicating the excess stock available of that product/ potential stock out of that product.
  - i. A blue display indicating the required stock of that product (only shows if there is no excess stock)
  - j. Four blue buttons at the bottom of the screen are downloads to:

- i. The recap of that product over the last year
- ii. All sales of that product throughout the company's history
- iii. All purchases of that product throughout the company's history
- iv. All standing open Purchases of that product
- 2. The Supplier of the product can be viewed by clicking on the name of that products supplier

#### Accessing the Suppliers tab

- 1. Login
- 2. Navigate to the Suppliers tab located on the sidebar under Resources
- 3. From here you can view details of all of the company's suppliers
- 4. The suppliers list can be ordered by Name, Telephone, Email, and Address by clicking on the respective column's headers
- 5. You can view more specific details of a supplier by clicking on that suppliers name

### Using the Suppliers tab:

- 1. Creating a supplier (Manager and Admin only): From the suppliers tab, go to the top right of the screen and click on *Create* 
  - a. Define the new suppliers details
  - b. Click Save Changes
- 2. Editing a supplier (Manager and Admin only): From the products tab, click on a product's name and then on Actions in the top right
  - a. Select edit
  - b. Change the products details as needed
  - c. Click Save Changes

### Navigating a specific supplier:

- 1. After clicking on a supplier's name from the supplier tab you will find a page with additional information on that supplier
  - a. Individual tabs leading to the Purchases and Products of that supplier can be clicked.

## Accessing the Purchases tab

- 1. Login
- 2. Navigate to the Purchases tab located on the sidebar under Transactions
- 3. From here you can view details of all of the company's purchases
- 4. The purchases list can be ordered by Purchase number, date created, and the time of the transaction by clicking on the respective columns headers

### Using the Purchases tab:

- 1. Creating a purchase: From the purchases tab, go to the top right of the screen and click on *Create* 
  - a. Define the new purchases details
  - b. Click Save Changes

#### Navigating a specific purchase:

- 1. After clicking on a purchases number from the purchases tab, you will find a page with additional information on that purchase
  - a. In the top right, clicking on *Actions* and then on External *Invoice* will trigger a popup. The popup shows a scanned invoice that the company would receive when a purchase arrives

#### Accessing the Open Purchases tab

- 1. Login
- 2. Navigate to the Open Purchases tab located on the sidebar under Transactions
- 3. From here you can view details of all of the company's standing open purchases
- 4. The purchases list can be ordered by Purchase number, date created, and the time of the transaction by clicking on the respective columns headers

#### Using the Open Purchases tab:

1. Same functionality as under the Purchases tab

### Navigating a specific open purchase:

1. Same functionality as under the Purchases tab

## Accessing the Sales tab

- 1. Login
- 2. Navigate to the Sales tab located on the sidebar under Transactions
- 3. From here you can view details of all of the company's sales over the course of its history
- 4. The sales list can be ordered by Sale number, and date created, by clicking on the respective columns headers

### Navigating a specific sale:

- 1. After clicking on a sales number from the Sales tab, you will find a page with that sales receipt
- 2. Clicking a sales customer will take you the details page of that customer

### Edit Company Information (Admin only)

1. Login as a super-user (e.g. Administrator)

- 2. Navigate to Company Info on the Sidebar under Management
- 3. Edit the Companies details as needed
- 4. Click Saves Changes

#### Create New Users (Admin only)

- 1. Login as a super-user (e.g. Administrator)
- 2. Navigate to Manage Users on the Sidebar under Management
- 3. Select Create
  - a. Define the User's Details
  - b. Create a Password (enter twice for confirmation)
  - c. Select User's Role
  - d. Click Save Changes
- 4. The new User can now be viewed from the Manage Users tab

#### Edit Users (Admin only)

- 1. Login as a super-user (e.g. Administrator)
- 2. Navigate to Manage Users on the Sidebar under Management
- 3. Locate the user you wish to change, select Actions and then select Edit
  - a. Change the User's Name or Role as needed
  - b. Enter the current Password
  - c. Enter the new password (twice for confirmation)
  - d. Click Save Changes

#### Create New Roles (Admin only)

- 1. Login as a super-user (e.g. Administrator)
- 2. Navigate to Roles & Permissions on the Sidebar under Management
- 3. Select Create
  - a. Define the Role Name
  - b. Select the Roles' Abilities
  - c. Click Save Changes
- 4. The new role can now be viewed from the Roles & Permissions tab

### Edit Roles (Admin only)

- 1. Login as a super-user (e.g. Administrator)
- 2. Navigate to Roles & Permissions in on the Sidebar under Management
- 3. Select Edit on the role you wish to change
  - a. Change the Roles' Abilities as needed
  - b. Click Save Changes

## **Developer Guide**

All endpoints except for <u>Authenticate</u> requires the following headers:

*Authorization: Bearer {{token}}* 

### Authenticate

**Method: POST** 

Endpoint: {{url}}/api/authenticate/

```
Request:
  "email": "admin@paradox.com"
  "password": "secret"
Response:
  "data": {
    "user": {
      "name": "Admin Doe",
      "email": "admin@paradox.com"
   },
    "role": "admin",
    "abilities": [
      "create-customer",
      "create-product",
      "view-sale",
      "view-supplier"
   1
 },
  "meta": {
```

"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzl1NiJ9.eyJzdWliOjMsImlzcyl6lmh0dHBzOi8vYXBvbGxvLmxvbWVqby5jby56YS9hcGkvYXV0aGV udGljYXRlliwiaWF0ljoxNTA3OTcxNTc2LCJleHAiOjE1MDc5NzUxNzYsIm5iZil6MTUwNzk3MTU3NiwianRpIjoiWG1nZUFCaWNYb2p JeWpTZyJ9.eRr9q606LYXFzFKAa1w8w6caQOxBAJMApSk02cQ1J\_w"

} }

### Dashboard

```
Method: GET
Endpoint: {{url}}/api/dashboard/
Request: { }
Response:
 "data": {
   "stockUnits": 168736,
    "stockValue": 131856093.91000006,
    "estimateMargin": 74343070.67,
    "yearlyRecap": {
     "startDate": "1 Oct, 2016",
     "endDate": "30 Sep, 2017",
     "labels": [
       "Oct - 2016",
       "Nov - 2016",
       "Aug - 2017",
       "Sep - 2017"
     ],
     "data": [
       80295973.65999998,
       125597768.43000008,
       96568036.54999998,
       64399586.85000002
   }
```

## User Update

```
Method: PATCH
Endpoint: {{url}}/api/user/
Request:
 "name": "name",
 "current_password": "secret",
 "new_password": "secret123",
  "password_confirmation": "secret123",
Response:
  "data": {
   "stockUnits": 168736,
    "stockValue": 131856093.91000006,
    "estimateMargin": 74343070.67,
    "yearlyRecap": {
      "startDate": "1 Oct, 2016",
      "endDate": "30 Sep, 2017",
      "labels": [
       "Oct - 2016",
       "Nov - 2016",
       "Aug - 2017",
       "Sep - 2017"
      "data": [
       80295973.65999998,
       125597768.43000008,
       96568036.54999998,
       64399586.85000002
```

## Customer - Index

```
Method: GET
Endpoint: {{url}}/api/customer/
Request: { }
Response:
 "data": [
     "id": 4,
      "name": "Andrews Ltd",
      "telephone": "+27217116520",
      "email": "qmashinini@bailey.kzn.school.za",
      "address": "0871 Mtsweni Circle",
      "address_2": "Apt. 673",
      "city": "Nkomomouth",
      "province": "lowa",
      "country": "Congo"
   },
   {
     "id": 3,
      "country": "Switzerland"
 ],
  "meta": {
    "pagination": {
      "total": 50,
      "count": 25,
      "per_page": 25,
      "current_page": 1,
      "total_pages": 2,
      "links": {
        "next": "https://apollo.lomejo.co.za/api/customer?page=2"
```

## Customer - Show

```
Method: GET
Endpoint: {{url}}/api/customer/{{id}}
Request: { }
Response:
 "data": {
   "id": 1,
   "name": "Minnaar Ltd",
   "telephone": "+27(32)5744119",
   "email": "serasmus@stevens.nis.za",
   "address": "9073 Cilliers Trace Apt. 592",
   "address_2": "Suite 703",
   "city": "West Neil",
   "province": "Maine",
   "country": "Saint Vincent and the Grenadines"
 }
}
```

## **Customer - Create**

```
Method: POST
Endpoint: {{url}}/api/customer/
Request:
   "name": "Levi Lubowitz",
   "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
}
Response:
 "data": {
   "id": 51,
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
```

## Customer - Update

```
Method: PATCH
Endpoint: {{url}}/api/customer/{{id}}
Request:
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
}
Response:
  "data": {
   "id": 51,
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
```

## Customer - Delete

**Method: DELETE** 

Endpoint: {{url}}/api/customer/{{id}}

Request: {}
Response: {}

Response Code: 204

## Supplier - Index

```
Method: GET
Endpoint: {{url}}/api/supplier/
Request: { }
Response:
 "data": [
     "id": 4,
      "name": "Andrews Ltd",
      "telephone": "+27217116520",
      "email": "qmashinini@bailey.kzn.school.za",
      "address": "0871 Mtsweni Circle",
      "address_2": "Apt. 673",
      "city": "Nkomomouth",
      "province": "lowa",
      "country": "Congo"
   },
   {
     "id": 3,
      "country": "Switzerland"
 ],
  "meta": {
    "pagination": {
      "total": 50,
      "count": 25,
      "per_page": 25,
      "current_page": 1,
      "total_pages": 2,
      "links": {
        "next": "https://apollo.lomejo.co.za/api/supplier?page=2"
```

## Supplier - Show

```
Method: GET

Endpoint: {{url}}/api/supplier/{{id}}

Request: { }

Response:

{
    "data": {
        "id": 1,
        "name": "Minnaar Ltd",
        "telephone": "+27(32)5744119",
        "email": "serasmus@stevens.nis.za",
        "address": "9073 Cilliers Trace Apt. 592",
        "address_2": "Suite 703",
        "city": "West Neil",
        "province": "Maine",
        "country": "Saint Vincent and the Grenadines"
    }
}
```

## Supplier - Create

```
Method: POST
Endpoint: {{url}}/api/supplier/
Request:
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
}
Response:
  "data": {
   "id": 51,
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
```

## Supplier - Update

```
Method: PATCH
Endpoint: {{url}}/api/supplier/{{id}}
Request:
    "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
}
Response:
  "data": {
   "id": 51,
   "name": "Levi Lubowitz",
    "telephone": "827.658.9252",
    "email": "mgutkowski@gmail.com",
    "address": "7278 Becker Walk",
    "address_2": "Suite 077",
    "city": "North Erikland",
    "province": "lowa",
    "country": "Belize"
```

# Supplier - Delete

Method: DELETE

Endpoint: {{url}}/api/supplier/{{id}}

Request: {}
Response: {}

Response Code: 204

### Product - Index

```
Method: GET
Endpoint: {{url}}/api/product/
Request: { }
Response:
  "data": [
      "id": 240,
      "sku": "ACBL",
      "description": "Look sharp without the effort in this oxford",
      "cost_price": 988.13,
      "retail_price": 1554.53,
      "recommended_selling_price": 1678.89
    },
      "id": 110,
      "sku": "CRSW",
      "description": "Casual, laidback days call for the cozy fleece",
      "cost_price": 987.76,
      "retail_price": 1418.82,
      "recommended_selling_price": 1347.88
    }
  ],
  "meta": {
    "pagination": {
      "total": 250,
      "count": 25,
      "per_page": 25,
      "current_page": 1,
      "total_pages": 10,
      "links": {
        "next": "https://apollo.lomejo.co.za/api/product?page=2"
  }
```

### **Product - Show**

```
Method: GET
Endpoint: {{url}}/api/product/{{id}}
Request: { }
Response:
  "data": {
    "id": 1,
    "sku": "WQBO",
    "description": "Nurse discreetly while remaining fashionable with",
    "cost_price": 696.23,
    "retail_price": 1127.06,
    "recommended_selling_price": 1194.68,
    "report": {
      "data": {
        "has_stock": true,
        "has_excess_stock": false,
        "has_stock_out": false,
        "has_potential_stock_out": true,
        "required_stock": 1034,
        "recap": {
          "startDate": "1 Oct, 2016",
          "endDate": "30 Sep, 2017",
          "labels": [
            "Oct - 2016", "Nov - 2016", ...., "Sep - 2017"
          ],
          "data": [
            881, 0, 1, 485, 2, 103, 1, 1263, 1205, 2, 1, 2
          1
        },
        "forecast": {
          "labels": [
             "Oct - 2016", ..., "Dec - 2017"
          ],
          "data": [
            0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 569, 465
          "adjusted": [
```

## Product - Create

}

```
Method: POST
Endpoint: {{url}}/api/product/
Request:
   "sku": "AAABBBGP",
   "description": "Lorem ipsum",
   "cost_price": 1000,
   "retail_price": 1250,
   "recommended_selling_price": 1300
Response:
 "data": {
   "id": 251,
   "sku": "AAABBBGP",
   "description": "Lorem ipsum",
   "cost_price": 1000,
   "retail_price": 1250,
   "recommended_selling_price": 1300
 }
```

## Product - Update

```
Method: PATCH
Endpoint: {{url}}/api/product/{{id}}
Request:
   "sku": "AAABBBGP",
   "description": "Lorem ipsum",
   "cost_price": 1000,
   "retail_price": 1250,
   "recommended_selling_price": 1300
Response:
 "data": {
   "id": 251,
   "sku": "AAABBBGP",
   "description": "Lorem ipsum",
   "cost_price": 1000,
   "retail_price": 1250,
   "recommended_selling_price": 1300
 }
}
```

## Product - Delete

Method: DELETE

Endpoint: {{url}}/api/product/{{id}}

Request: {}
Response: {}

Response Code: 204

### Purchase - Index

"total": 1250,

```
Method: GET
Endpoint: {{url}}/api/purchase/
Request: { }
Response:
  "data": [
      "id": 11250,
      "placed_at": "2016-06-04 21:33:06",
      "processed_at": "2016-06-04 21:33:06",
      "ext_invoice_number": "ipsum",
      "ext_invoice_image":
            "https://apollo.lomejo.co.za/storage/ext_invoices/XkkAvRudHcUg0KiOUyl1iBOH8UlyK3R3ShwEWPxg.png",
      "total": 1441905.04,
      "supplier": {
        "data": {
          "id": 50,
          "name": "Mofokeng Ltd",
          "telephone": "053 213 9059",
          "email": "zmashaba@gmail.com",
          "lead_time": 7,
          "address": "78885 Frederick Cliffs Suite 903",
          "address_2": "Apt. 379",
          "city": "East Adrian",
          "province": "West Virginia",
          "country": "Eritrea"
        }, ...,
        {
         "ld": 52.
    },
  ],
  "meta": {
    "pagination": {
```

```
"count": 25,
    "per_page": 25,
    "current_page": 1,
    "total_pages": 50,
    "links": {
        "next": "https://apollo.lomejo.co.za/api/purchase?page=2"
     }
   }
}
```

## Purchase - Show **Method: GET** Endpoint: {{url}}/api/purchase/{{id}} Request: { } Response: "data": { "id": 10001, "placed\_at": "2015-06-06 21:32:54", "processed\_at": "2015-06-06 21:32:54", "ext\_invoice\_number": "aut", "ext\_invoice\_image": "https://apollo.lomejo.co.za/storage/ext\_invoices/XkkAvRudHcUg0KiOUyl1iBOH8UlyK3R3ShwEWPxg.png", "total": 2409811.26, "supplier": { "data": { "id": 1, "name": "Van Heerden Ltd", "telephone": "+27(44)6225048", "email": "nsteenkamp@hotmail.com", "address": "7281 Benjamin Pine", "address\_2": "Suite 718", "city": "West George", "country": "Burkina Faso" }, "purchase\_items": { "data": [ "sku": "RUBQ", "description": "Our triple-tier swimdress will take you from", "quantity": 138, "price": 293.44, "total": 40494.72 }]

## Sale - Index

```
Method: GET
Endpoint: {{url}}/api/sale/
Request: { }
Response:
  "data": [
      "id": 11250,
      "placed_at": "2016-06-04 21:33:06",
      "total": 1441905.04,
      "customer": {
        "data": {
          "id": 50,
          "name": "Mofokeng Ltd",
          "telephone": "053 213 9059",
          "email": "zmashaba@gmail.com",
          "address": "78885 Frederick Cliffs Suite 903",
          "address_2": "Apt. 379",
          "city": "East Adrian",
          "province": "West Virginia",
          "country": "Eritrea"
        }, ...,
         "Id": 52,
    },
  "meta": {
    "pagination": {
      "total": 1250,
      "count": 25,
      "per_page": 25,
      "current_page": 1,
      "total_pages": 50,
      "links": {
```

```
"next": "https://apollo.lomejo.co.za/api/sale?page=2"
}
}
}
```

## Sale - Show

```
Method: GET
Endpoint: {{url}}/api/sale/{{id}}
Request: { }
Response:
  "data": {
    "id": 10001,
    "placed_at": "2015-06-06 21:32:54",
    "total": 2409811.26,
    "customer": {
      "data": {
        "id": 1,
        "name": "Van Heerden Ltd",
        "telephone": "+27(44)6225048",
        "email": "nsteenkamp@hotmail.com",
        "address": "7281 Benjamin Pine",
        "address_2": "Suite 718",
        "city": "West George",
        "country": "Burkina Faso"
    },
    "sale_items": {
      "data": [
          "sku": "RUBQ",
          "description": "Our triple-tier swimdress will take you from",
          "quantity": 138,
          "price": 293.44,
          "total": 40494.72
        }]
   }
}
```

## **Installation Guide (Web - Standalone)**

## Requirements

- Git
- PHP 7.1
- Nginx
- MySQL 5.7
- Composer
- Python 2.7
- Anaconda

#### Installation

- 1. **Install** Git, Nginx, MySQL, Composer, Python and Anaconda as a standard installation
- 2. Create a Firewall Rule to Allow Nginx
- 3. Install PHP-FPM and PHP-MySQL
- 4. Update Nginx Site configuration under nginx/sites-available/default to match the following:

```
server {
  listen 80 default_server;
  listen [::]:80 default_server;
  root project_public_directory;
  index index.php index.html index.htm index.nginx-debian.html;
  server_name server_domain_or_IP;
  location / {
    try_files $uri $uri/ =404;
  location ~ \.php$ {
    include snippets/fastcgi-php.conf;
    fastcgi_pass unix:/run/php/php7.0-fpm.sock;
  }
  location ~ /\.ht {
    deny all;
  }
}
```

## Deployment

- 1. Git clone the project's repository into the project directory defined above.
- 2. cd into the project's directory.
- **3.** Run php artisan migrate:fresh --seed command the seed the initial data
- 4. Restart nginx server
- **5.** Access the site at *localhost:8080*

## **Installation Guide (Web - Virtual Machine)**

### Requirements

- Laravel Homestead 5+
- VirtualBox 5.1+
- Vagrant 2+
- Git
- Anaconda

#### Installation

- 1. Install VirtualBox, Vagrant and Git as a standard installation
- 2. Open Git Console and run the following commands:
  - a. vagrant box add laravel/homestead
  - b. cd ~
  - c. git clone https://github.com/laravel/homestead.git Homestead
  - d. cd Homestead
  - e. bash init.sh
- 3. Open Homestead.yaml file under Homestead installation directory
  - a. Update the folders mapping to match project's directory
  - b. Update sites mapping to match project's directory and URL
- 4. Open OS's hosts file and add host location
  - **a. 192.168.10.10** *project.***app**
- 5. Start VM by running the following command under the Homestead directory
  - a. vagrant up
- **6.** Install Anaconda by SSH-ing into the Virtual Machine by using vagrant ssh

More information on the setup can be found at https://laravel.com/docs/5.5/homestead

# **Installation Guide (Mobile Application)**

## Requirements

- Android Studio
- Android SDK
- Android Device (API 15 or higher)

#### Installation

- 1. Install Android Studio and Android SDK as a standard installation
- 2. Import Repository from Github
- 3. In the RESTClient class, located in the com.projects.paradox.apollo\_ui.utilities directory, update BASE\_URL string to match URL of Web API
- 4. Build and Run Project