**Group #2**

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**Case Study Selected:** Outland Adventures

**Business Rules**

**Guides**—There are currently two guides John ‘Mac’ MacNell, and D.B. ‘Duke’ Marland. Only one can be assigned to a given trip for planning.

**Clients:** A list of clients who have booked trips, will include first name, last name, and email address.

* A client can go on multiple trips
* A client can rent multiple pieces of equipment.

**Locations:** Currently there are three locations, South Europe, Africa, and Asia. These are the only locations trips can be tied to at the moment.

* Locations may or may not require a Visa. Assuming all do for the exercise, but a Boolean flag will be created to denote this.
* Likewise, certain locations may or may not require specific immunizations. This will also be a boolean flag.

**Trips:**

Each trip is tied to one location.

Each trip will have one guide

Trip will have a start and end date.

The list of clients going on a given trip will be present in the booking table that connects back to the given trip\_id.

**Bookings:**

Each entry will denote the location, the associated trip\_id, and the client who is going on the trip.

Airfare is captured in this table as it will likely vary by each client’s starting location

**Equipment**

Each item will have an equipment ID for tracking

Each item will have a brief description.

Inventory date will note when a particular item first came into the inventory for rental or purchase.

A Purchased flag(Yes/no) will indicate if the item is still available for rental.

If an item is purchased, a purchase Date will be present and the item will no longer be allowed for rental

**Rentals**

Each rental will be tied to a given piece of equipment via the equipment\_id.

A rental will have a start date and an end date.

Rentals will also indicate the client who has rented the product.

**A diagram of a company

Description automatically generated**