**Group #2**

**Ryan Church**

**Darius Dinkins**

**Taylor Donlea**

**Tanner Glaser**

**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 simple table of Client ID, 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.

Visa requirements will be tied to a given expedition(Yes/No)

Inoculation requirements (Yes/No) will also be tied to an expedition noting whether a trip requires specific ones

**Trips:** Each trip is tied to one location.

Each trip will have one guide

Trip will have a start and end date.

There will be a listing of clients on the given trip detailed in the bookings table

**Bookings:**

Will have booking ID, trip ID, location, and clients who have signed up for said trip

Bookings table will also detail the airfare for each client.

**Equipment**

Each item will have a equipment ID for tracking

Each item will have a description of type of item

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

Purchased flag(Yes/no) to 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**

Rental ID#

Equipment ID—relates back to Equipment ID

Each rental will have a start and end date

Each rental will be tied to a particular client so we can know who rented the item.

**A diagram of a company

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