

## CIS4610 Team Project

Equipment:

```
{
    Sku:
    equip_type:
    inventory_count:
    equip_status:
    equip_condition:
    equip_retail_price:
    equip_rental_price:
    equip_deposit:
}
```

Customer:

```
{
    cust_id:
    cust_fname:
    cust_lname:
    cust_phone:
    cust_email:
    cust_history:
    cust_reputation:
```

\*if customer has bad reputation the from the past, the system shows the following in the status

```
    cust_status:
        {
            cust_history:
            cust_reputation:
            rental_date:
            return_date:
            checkin_date:
            equip_condition:
            return_problem:
            equip_problem:
            amount_owed:
        }
    cust_address:
        {
            cust_street:
            cust_city:
            cust_state:
            cust_zip:
        }
}
```

## CIS4610 Team Project

### Equipment Reservation:

```
{
  cust_id:
  cust_fname:
  cust_lname:
  cust_phone:
  cust_email:
  cust_address:
    {
      cust_street:
      cust_city:
      cust_state:
      cust_zip:
    }
  cust_status:
    {
      cust_history:
      cust_reputation:
      equip_condition:
      return_problem:
        {
          equip_problem:
          rental_date:
          return_date:
          checkin_date:
          amount_owed:
        }
    }
  reservation_id:
  sku:
  equip_type:
  inventory_count:
  equip_deposit:
  rqstd_pickup:
  rqstd_return:
}
```

### Equipment Rental:

```
{
  cust_id:
  reservation_id:
  rental_id:
  sku:
```

```
equipment_type:
equip_status:
rental_charge:
rqstd_pickup:
rqstd_return:
checkout_date:
return_date:
equip_deposit:
customer_info:
  {
    cust_fname:
    cust_lname:
    cust_phone:
    cust_email:
    cust_address:
      {
        cust_street:
        cust_city:
        cust_state:
        cust_zip:
      }
  }
cust_status:
  {
    cust_history:
    cust_rep:
    equip_condition:
    return_problem:
      {
        equip_return_problem:
        sku:
        rental_date:
        return_date:
        checkin_date:
        deposit_total:
      }
  }
amount_owed_resolved:
equip_rental_price_per_day:
number_days_renting:
rental_charge:
}
```

===== REPORT =====

Problem With Return:

```
{
  cust_id:
  sku:
  equip_type:
  equip_return_problem: ["damaged", "late return", "no return"]
  checkout_date:
  rental_date:
}
```

Rental Record:

```
{
  cust_id:
  reservation_id:
  rental_id:
  sku:
  equipment_type:
  checkout_date:
  return_date:
  rental_charge:
}
```

Charges Record:

```
{
  cust_id:
  reservation_id:
  rental_id:
  sku:
  rental_charge:
}
```

Rental Agreement:

```
{
  contract_id:
  checkout_date:
  actual_return_date:
}
```

## CIS4610 Team Project

```
    cust_id: ["cust_fname","cust_lname","cust_address","cust_phone","cust_email"],
    equip_type:
    sku:
    rental_total:
    deposit_total:
    tax:
    grand_total:
}
```

### Equipment Return:

```
{
    return_id:
    return_timestamp:
    rental_id:
    rqstd_pickup:
    rqstd_return:
    checkout_date:
    return_date:
    actual_return_date:
    return_condition:
    cust_id:
    reservation_id:
    sku:
    equip_type:
    equip_deposit:
    deposit_total:
    late_fee:
}
```

### Return Receipt:

```
{
    cust_id:
    payment_date: "checkout_date",
    purchase_id:
    equip_type:
    sku:
    refund_amt:
    return_amt: "purchase_cost"
}
```

## CIS4610 Team Project

### Equipment Sale:

```
{
  sku:
  equip_retail_price:
  sale_discount:
  sale_charge:
  sale_date:
  sale_status:
  equip_status:
  equip_type:
  inventory_count:
}
```

### Payment:

```
{
  cust_id:
  payment_date:
  equip_purchase:
    {
      purchase_id:
      purchase_price:
      purchase_date:
    }
}
```

### Sales Receipt:

```
{
  purchase_date:
  purchase_time:
  purchase_id:
  equip_type:
  sku:
  purchase_cost:
}
```

### Unreturned Equipment:

```
{
  equip_type:
  equip_type:
  Sku:
```

## CIS4610 Team Project

```
    equip_status:  
    cust_id:  
    reservation_return_date:  
}
```

Process New Inventory:

```
{  
    equip_type:  
    equip_type:  
    equip_retail_price:  
    Sku:  
    equip_status:  
}
```

Equipment Rental Report:

```
{  
    equip_type:  
    sku:  
    total_rents:  
}
```

Equipment Sales Report:

```
{  
    sales receipt:  
    cust_id:  
    equip_type:  
    sku:  
}
```