Create Custom Exceptions

Exceptions are classes, just like everything else in Ruby! To create a new kind of exception, just create a class that inherits from StandardError, or one of its children.

```ruby
class MyError < StandardError
end
raise MyError
```

Every ruby exception object has a message attribute.
You can specify a message when you raise an exception, like so:

```ruby
raise MyError, "My message"
```

And you can add a default message to your custom error class by adding your own constructor.

```ruby
class MyError < StandardError
  def initialize(msg="Default message: MyError")
    super
  end
end
```

```ruby
class MyError < StandardError

  attr_reader :thing

  def initialize(msg="Default message: MyError", thing="test")

    @thing = thing

    super(msg)

  end

end
```

Above created the customer error.

```ruby
begin

  raise MyError.new("testing message", "testing thing")

rescue => e

  puts e.thing

end
```