

Ruby on Rails assignment3 (part1)

2019spring

This assignment is to create an online store application.

part1 create **two views** for displaying product list.

- one is for store owners to manage products (show/edit/add/delete),
- the other is for shopper to browser and purchase.

start with data -- a product table

| Name | Description | Image | Price |
|------|-------------|-------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

1. create new application
2. generate scaffold for Product resource
3. change size of description for create new product form.
4. use seeds.rb to add products into the table
5. change style

/app/assets/stylesheets/products.scss

```
// Place all the styles "related to the Products controller" here.  
// They will automatically be included in application.css.  
// You can use Sass (SCSS) here: http://sass-lang.com/
```

copy the following in to it:

```
/* START_HIGHLIGHT */  
.products {  
  table {  
    border-collapse: collapse;  
  }  
  
  table tr td {  
    padding: 5px;  
    vertical-align: top;  
  }  
  
  .list_image {  
    width: 60px;  
    height: 70px;  
  }  
  
  .list_description {  
    width: 60%;  
  
    dl {
```

```

        margin: 0;
    }

    dt {
        color:      #244;
        font-weight: bold;
        font-size:   larger;
    }

    dd {
        margin: 0;
    }
}

.list_actions {
    font-size:    x-small;
    text-align:    right;
    padding-left: 1em;
}

.list_line_even {
    background:    #e0f8f8;
}

.list_line_odd {
    background:    #f8b0f8;
}
}
/* END_HIGHLIGHT */

```

modify layout file: (so that we have **class="products"**)

arrange the table to be like:

| images | name description price | show edit destroy |
|--------|------------------------------|-------------------------|
|--------|------------------------------|-------------------------|




create your own images and how the image

then add classes to index view:

use **cycle('list_line_odd', 'list_line_even')** for line color change

new it should look like this:

Products

| | | |
|---|--|---|
|  | The C Programming Language <p> We have improved the exposition of critical features, such as pointers, that are central to C programming. We have refined the original examples, and have added new examples in several chapters. C wears well as one's experience with it grows. We hope that this book will help you learn C and use it well. </p> | Show Edit Destroy |
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| 49.99 | | |

[New Product](#)

add validation to the Product model so that you can set constraints to fields

```
class Product < ActiveRecord::Base
  validates :name, :description, :image, presence: true
  validates :price, numericality: {greater_than_or_equal_to: 0.01}  try add "a" as price
  validates :name, uniqueness: true                                try add same name product
  validates :image, allow_blank: true,
    format: {with: %r{\.(gif|jpg|png)\Z}i, message: 'must be GIF, JPG, PNG images'}}
end
```

create catalog display for shoppers

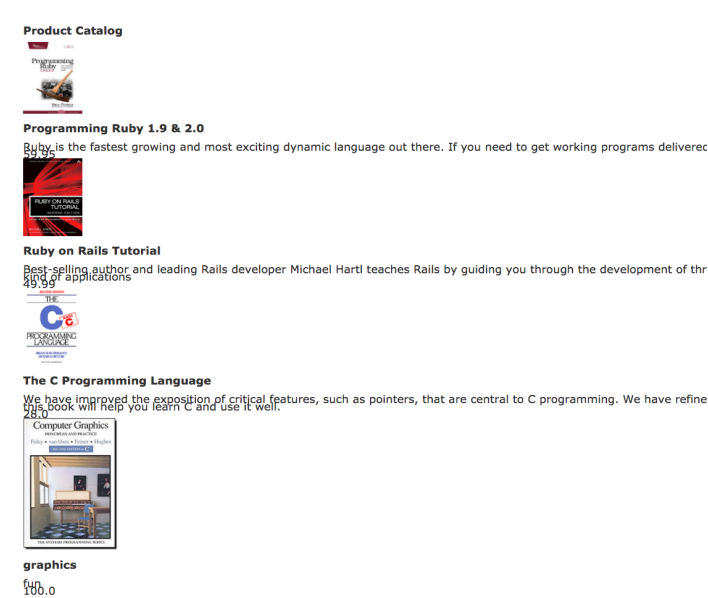
product controller is for the seller to admin the product.

now create a second controller for customers,
since we already have the **resources**, we need to **generate controller only**

note, this controller is **named shopper and has one action "shopper#index"**,

make shoppers view to display the Product resource

you should get something like this:



modify shopper.scss file, add the following

```
// Place all the styles related to the Store controller here.
// They will automatically be included in application.css.
// You can use Sass (SCSS) here: http://sass-lang.com/

/* START_HIGHLIGHT */
.shopper {
  h1 {
    margin: 0;
    padding-bottom: 0.5em;
    font: 150% sans-serif;
  }
}
```

```

        color: #226;
        border-bottom: 3px dotted #77d;
    }

    /* An entry in the store catalog */
    .entry {
        overflow: auto;
        margin-top: 1em;
        border-bottom: 1px dotted #77d;
        min-height: 100px;

        img {
            width: 80px;
            margin-right: 5px;
            margin-bottom: 5px;
            position: absolute;
        }

        h3 {
            font-size: 120%;
            font-family: sans-serif;
            margin-left: 100px;
            margin-top: 0;
            margin-bottom: 2px;
            color: #227;
        }





        p, div.price_line {
            margin-left: 100px;
            margin-top: 0.5em;
            margin-bottom: 0.8em;
        }

        .price {
            color: #44a;
            font-weight: bold;
            margin-right: 3em;
        }
    }
}
/* END_HIGHLIGHT */

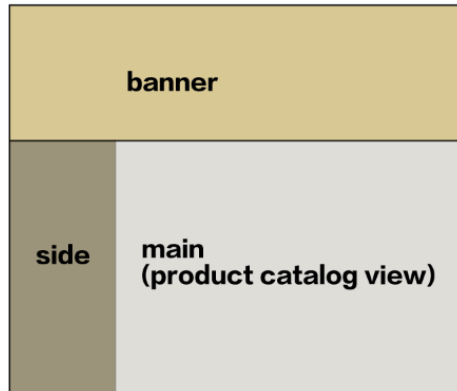
```

you should get something like this:

Product Catalog

| | |
|---|--|
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|  | Ruby on Rails Tutorial author and leading Rails developer Michael Hartl teaches Rails by guiding you through the de ment needed for virtually any kind of applications 49.99 |
|  | The C Programming Language proved the exposition of critical features, such as pointers, that are central to C programming ence with it grows. We hope that this book will help you learn C and use it well. 28.0 |
|  | graphics 100.0 |

add page layout



style **for the layout**
(copy the following into application.scss)

```
#banner {
  background: #efc780;
  padding: 10px;
  border-bottom: 2px solid;
  font: 40px/40px "Arial";
  color: #282;
  text-align: center;

  img {
    float: left;
  }
}

#notice {
  color: #000 !important;
  border: 2px solid red;
  padding: 1em;
  margin-bottom: 2em;
  background-color: #f0f0f0;
  font: bold smaller sans-serif;
}

#columns {
  background: #9c947a;

  #main {
    margin-left: 17em;
    padding: 1em;
    background: white;
  }

  #side {
    float: left;
    padding: 1em 2em;
    width: 13em;
    background: #9c947a;

    ul {
```

```
padding: 0;
li {
  list-style: none;
  a {
    color: #bfb;
    font-size: small;
  }
}
}
}
}
```


you should get something like this

[My Store](#)

Our Products

[Home](#)
[Questions](#)
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Product Catalog



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