

## Lab2 说明文档 20302010072 黄怡琳

### 网站风格说明以及截图

以青绿色为基调，使用浅色渐变背景，有衬线、无衬线字体库各一。艺术品及相关描述有半透明背景（主页截图中不明显）。主打简单自然的小清新风格。

截图如下：分别是主页、登录页、搜索页、注册页、无结果展示页、商品展示页、搜索结果展示页、用户收藏艺术品页面。

# Art Store

Where you find genius and extraordinary

[home](#)[search](#)[login](#)[register](#)

**Luncheon Boating Party**  
Pierre Auguste Renoir

The painting depicts a group of Renoir's friends relaxing on a balcony at the Maison Fournaise along the Seine river in Chatou, France. In this painting Renoir has captured a great deal of light. The main focus of light is coming from the large opening in the balcony, beside the large singledetd man in the hat.

[learn more](#)

**The Kiss**  
Gustav Klimt

**The Kiss** (original *Der Kuss*) was painted by Gustav Klimt, and is probably his most famous work. According to writer Frank Whitford: "Together the man and the woman form the shape of a penis and I think that is intentional - it's about sex and about the fulfillment of sex between a man and a woman."

[learn more](#)

**The Basket of Apples**  
Paul Cezanne

**The Basket of Apples** is a still life oil painting noted for its disjointed perspective. It has been described as a balanced composition due to its unbalanced parts; the tilted bottle, the incline of the basket, and the foreshortened lines of the cookies meshing with the lines of the tablecloth.

[learn more](#)

# Join in Art Store

## Sign up for Art store

[Login for Artstore](#)[Return to Homepage](#)

@ArtStore.Produced and maintained by Elinhuang at

2021. 4.16

增值电信作业提交许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.

# Art Store

Where you find *genius* and *extroordinary*

[home](#)[search](#)[login](#)[register](#)

@ArtStore.Produced and maintained by Elinhuang

at 2021.4.16

增值电信作业提交许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.

# Log in ArtStore

## Login Art store

Account

Password

LOG IN

Create Your Account

Return to the Homepage

@ArtStore.Produced and maintained by Elinhuang at

2021. 4.16

增值电信业务经营许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.

# Art Store

Where you find *genius* and *extroordinary*

home

search

login

register

## No results for now...

Return to search

Homepage

@ArtStore.Produced and maintained by Elinhuang at

2021.4.16

增值电信业务经营许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.

# Art Store

Where you find *genius* and *extroordinary*

[home](#)[search](#)[login](#)[register](#)

## Luncheon Boating Party

Pierre Auguste Renoir

**Introduce:** The painting depicts a group of Renoir's friends relaxing on a balcony at the Maison Fournaise along the Seine river in Chatou, France. In this painting Renoir has captured a great deal of light. The main focus of light is coming from the large opening in the balcony, beside the large singleted man in the hat. The singlets of both men in the foreground and the table-cloth all work together to reflect this light and send it through the whole composition.

**Year:** 1881

**Style:** Impressionism

**Dimensions:** 130cm x 173cm

**Price:** 230,000,000 USD

**Like:** 19969

[Add to my collections](#)

@ArtStore.Produced and maintained by Elinhuang at

2021. 4.16

增值电信作业提交许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.



# Art Store

Where you find *genius* and *extroordinary*

[home](#)[search](#)[login](#)[register](#)

## Results for *Impressionism* ...



### Dance at Le Moulin de la Galette

Pierre Auguste Renoir

Introduce: Dance at Moulin de la Galette is one of Impressionism's most highly revered masterpieces.

Year: 1876

Style: Impressionism

Dimensions: 131cm x 175cm

Price: 400,000,000 USD

Like: 19969

[Add to my collections](#)[More details](#)

### Water Lilies

Claude Monet

Introduce: This canvas is one of four water-lily pictures that, quite exceptionally, he did complete, sign, and sell in 1919.

Year: 1919

Style: Impressionism

Dimensions: 101cm x 200cm

Price: 530,000,000 USD

Like: 43469

[Add to my collections](#)[More details](#)

### The Houses of Parliament (Effect of Fog)

Claude Monet

Introduce: In the fall of 1899 and the early months of 1900 and of 1901, Monet executed a series of views of the Thames River in London.

Year: 1903

Style: Impressionism

Dimensions: 81cm x 92cm

Price: 352,000,000 USD

Like: 352969

[Add to my collections](#)[More details](#)

### Luncheon Boating Party

Pierre Auguste Renoir

Introduce: The painting depicts a group of Renoir's friends relaxing on a balcony at the Maison Fournaise along the Seine river in Chatou, France.

Year: 1881

Style: Impressionism

Dimensions: 130cm x 173cm

Price: 230,000,000 USD

Like: 19969

[Add to my collections](#)[More details](#)[Last page](#)[Next page](#)[Sort by heat](#)

@ArtStore.Produced and maintained by Elinhuang at

2021.4.16

增值电信业务经营许可证 复ss-20302010072号

Git备Elin16号

All rights reserved.

Account : Lexxi :

Email : 2147483647@software.edu :

Area : Foodute :

Collections : 7 :

## My collections



Portrait of Dr. Gachet  
Vincent Van Gogh

Post-impressionism

**Portrait of Dr. Gachet** is one of the most revered paintings by Dutch artist Vincent van Gogh. It depicts Dr. Paul Gachet, who took care of him during the final months of his life. It was the only portrait painted by van Gogh during his stay at the doctor's home in Asnières-sur-Seine (27.2 km outside Paris), a 70 day period from May to July 1890. In 1990, it fetched a then-record price of \$82.5 million (\$75 million, plus a 10 percent buyer's commission) when sold at auction in New York.



The Milkmaid  
Jan Vermeer

Baroque

**The Milkmaid** is an oil-on-canvas painting of a "milkmaid", in fact a domestic kitchen maid, by the Dutch artist Johannes Vermeer. It is now in the Rijksmuseum in Amsterdam, Netherlands, which regards it as "unquestionably one of the museum's finest attractions". The painting is strikingly illusionistic, conveying not just details but a sense of the weight of the woman and the table."The light, though bright, doesn't wash out the rough texture of the bread crusts or flatten the volumes of the maid's thick waist and rounded shoulders", wrote Karen Rosenberg, an art critic for The New York Times. Yet with half of the woman's face in shadow, it is "impossible to tell whether her downcast eyes and pursed lips express wistfulness or concentration," she wrote.



The Art of Painting  
Jan Vermeer

Baroque

**The Art of Painting** is a famous 17th century oil on canvas painting by Dutch painter, Johannes Vermeer. Many art historians believe that it is an allegory of painting, hence the alternative title of the painting, After Vermeer's The Procuress it is the largest work by the master. Its composition and iconography also make it the most complex Vermeer work of all.



Sunflowers  
Vincent Van Gogh

Post-impressionism

**Sunflowers** (original title, in French: *Tournesols*) are the subject of two series of still life paintings by the Dutch painter Vincent van Gogh. The earlier series executed in Paris in 1887 gives the flowers lying on the ground, while the second set executed a year later in Arles shows bouquets of sunflowers in a vase. In the artist "a mind both sets were linked by the name of his friend Paul Gauguin, who acquired two of the Paris versions. About eight months later Van Gogh hoped to welcome and to impress Gauguin again with Sunflowers, now part of the painted decoration he prepared for the guestroom of his Yellow House where Gauguin was supposed to stay in Arles. After Gauguin 's departure, Van Gogh imagined the two major versions as wings of the Resurrection Triptych, and finally he included them in his exhibit at Les XX in Brussels.



Sidewalk Café at Night  
Vincent Van Gogh

Post-impressionism

**Café Terrace at Night**, also known as The Café Terrace on the Place du Forum, is an coloured oil painting on an industrially primed canvas of size 25 (toile de 25 figure) in Arles, France, mid September 1888. The painting is not signed, but described and mentioned by the artist in his letters on various occasions-and, as well, there is a large pen drawing of the composition which originates from the artist's estate.



Glass of Absinthe  
Edgar Degas

Post-impressionism

**L'Absinthe** (English: The Absinthe Drinker or Glass of Absinthe) is a painting by Edgar Degas. Some original title translations are A sketch of a French Café, then Figures at Café, the title was finally changed in 1893 to L'Absinthe (the name the place is known by today). It is now in the permanent collection of the Musée d'Orsay in Paris. r painted in 1875-1876, it depicts two figures, a woman and man, who sit in the center and right of this painting, respectively. The man, wearing a hat, looks right, off the canvas, while the woman, dressed formally and also wearing a hat, stares vacantly downward, a glass filled with the opaque greenish liquid sits before her. The painting is a representation of the increasing social isolation in Paris during its stage of rapid growth.



Women in the Garden  
Claude Monet

Impressionism

Monet's technique of "en plein air" painting was hard at work on this painting. Because it necessitated that he work from the same point of view as he painted, he dug a trench for the bottom half of the painting to sit in while he painted the top, due to its large size (it measures 100 by 81 inches). His model for the women of the painting was Camille Doncieux, who would later become his wife, bearing him two sons. To finish the dresses in the most fashionable style, Monet used magazine illustrations to render the clothing.

## 网站前端代码架构说明

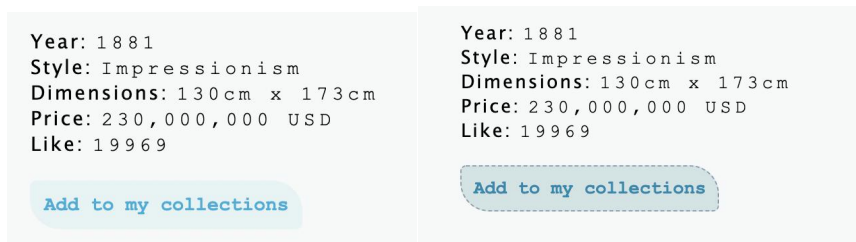
- 各页面由 header、main、footer 三部分组成。
- header: 除登陆注册页外, header 栏包括了网站 logo、标语及导航栏三部分。登陆注册页, header 栏起展示主标题(title)作用。
- footer: 各界面使用相同的 footer 用以展示版权所有、注册序号等有关信息
- main:
  - 登录、注册、搜索页: main 中由副标题、表单与跳转按钮栏构成
  - 主页、搜索结果展示页、个人收藏页、商品展示页: 由若干个以图片及相关信息为一组的模块构成
  - 各页面不同点:
    - 主页: 存在头图展示栏
    - 个人收藏页面: header 部分有搜索框, main 中有 slide-bar, 用于展示用户信息

## CSS 设计思路说明

- 页边布局采用弹性盒, 弹性盒层叠构成整体布局。
  - 登录页、注册页、搜索页、主页、搜索结果展示页、商品展示页: 采用纵向弹性布局
  - 商品展示页面、搜索结果页、个人收藏页、个人收藏页的艺术品模块: 采用横向弹性布局
- 字体采用
  - 无衬线: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif; 在图题、作者名称、提示性文字。
  - 有衬线: 'Courier New', Courier, monospace; Logo、主要内容。
- 样式
  - 按钮样式有: 跳转按钮(带有链接)和 提交按钮 以及 作者链接跳转, 各按钮有 hover 样式, 采用 outline、border、color、border-radius 等设置
  - 作者链接跳转按钮带有动画效果
  - 搜索框及登录页面、注册页面的 input 类有 hover、focus 不同状态切换
  - header、商品展示页、搜索结果展示页背景层渐效果
  - 在主页和搜索页, 对应的导航栏项目显示有别其他元素的样式以示区别

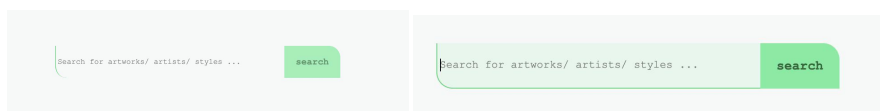
## 各页面得分点

- 样式
- Hover 伪类鼠标样式为 pointer
- 功能按钮被选中或滑过具有高亮和鼠标样式的变化



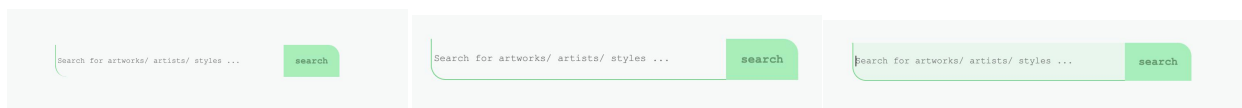


- submit 类型按钮被选中或滑过具有高亮和鼠标样式的变化



- 登录、注册、搜索、及个人收藏页面中的搜索栏 Input text 类型按钮被选中或滑过具有高亮和鼠标样式的变化

例



**Sign up for Art store**

test@mailbox.com

username

area

password

password again

Submit

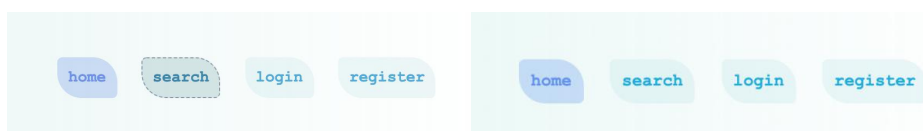
- 作者链接跳转被选中或滑过具有高亮和鼠标样式的变化

例



- 导航项目被选中或滑过具有高亮和鼠标样式的变化

例： search 被选中后，鼠标样式变为 pointer（截图截不出）



## 首页

- 导航项目被选中或滑过具有高亮和鼠标样式的变化
  - **热门展示艺术品切换：使用 CSS 动画效果完成，支持四张头图的渐进渐出效果**
  - 布局合理、兼容、整合——参见第一部分 网页截图
  - \_点击头图可跳转至商品展示页面
  - \_点击热门图片可跳转至商品展示页面
  - \_当鼠标划过热门图片中各图片 learn more 按钮时，会显示高亮效果及边框，鼠标样式也会改变
- 
- 点击作者会跳转到搜索界面

## 商品展示页

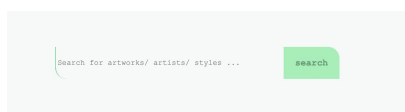
- 点击作者会跳转到搜索界面
- 在鼠标滑过艺术品图片的时候，有局部放大效果——无
- 商品详情界面布局的合理性兼容性、 各元素的整合性——参见第一部分 网页截图
- \_当鼠标划过按钮时，会显示高亮效果及边框，鼠标样式也会改变

## 登录注册页

- 登录注册界面界面布局的合理性兼容性、 各元素的整合性——参见第一部分 网页截图

## 搜索页

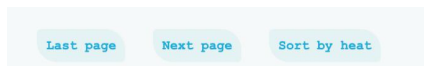
- 导航栏的存在以及完整性
- 搜索栏的存在



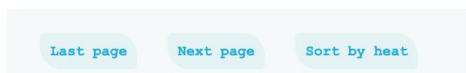
- 搜索结果跳转：点击“more detail”按钮可跳转至商品展示页面；点击作者可跳转至搜索界面
- 搜索结果的展示（搜索结果信息的完整和跳转),必须包含：艺术品的名称、作者、缩略图、简单介绍这 4 项信息，及无结果的展示



- 筛选样式的实现



- 分页样式的实现



- 搜索详情界面布局的合理性、兼容性、各元素的整合性——参见第一部分 网页截图

## 个人收藏页

- 导航栏的存在以及完整性



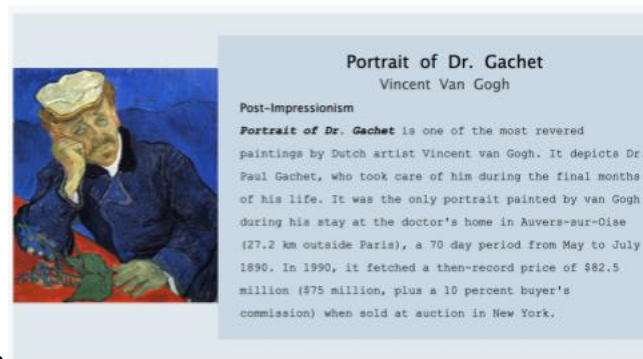
- 搜索栏的存在以及跳转



- 个人信息的完整性



- 收藏艺术品的实现及信息的完整性



- 个人收藏界面布局的合理性、兼容性、各元素的整合性——参见第一部分 网页截图

## 附加分

- 代码移植性:

设置了 reset.css ,button.css ,colr.css,forms.css,layout.css 五项通用的 css 代码, 通过 global.css 导入各个界面中。

- 视觉设计

参考了 siteinspire 上的一系列优美网站后, 最终手写了一个自(zhi)主(liang)研(yi)发(ban)的 UI。

- 问题解决

- 头号问题: 页面布局, 元素位置的操控。
- 次号问题: 页面的美观性。

- 若干小问题：button 样式、表单样式、链接样式，及“出人意料”的跑路（消失/瞬移）问题。
- 通过深度学习 CSS 实战手册第 4 版和 Google 获得了必要的知识。加之自己的理解和思考最后顺(mian)利(qiang)完成 lab2 要求。

## 困难与方法

本次 lab 的总体困难在于 css 布局的设置和样式的相互干扰。

问题的产生主要有三方面因素：

不熟悉 CSS 各类型的默认属性，lab1 粗糙混乱的初始分区，以及缺乏总览式的思路。此次 lab 开始，在缺乏对布局和类型控制的知识的情况下，冒进地采用模块化 CSS 进行设计，导致“拆了东墙补西墙”的 bug 频频发生。比如对某个标签用不同的 class/id 多次设置相同属性，而在不同的 html 界面相同的模块的 class/id 不同，加之代码分布十分零散混乱，页面布置一度失去控制。

问题解决：

认真阅读 The CSS Missing Manual、上网搜索，学习了弹性盒、动画效果、装饰效果等相关知识。

设置 body 宽度和最小高度，在 body 中使用弹性盒进行排版，较好地解决了 float、margin、padding 方法控制力度较差的问题。

将共用的 fundamental.css 拆分为 forms.css、color.css、 layout.css 三个部分，再通过 global.css 统一导入。将样式、颜色、布局拆分后，不同属性设置的优先/冲突处一目了然，比较好的理清了 CSS 各属性的影响。

值得一提的小问题：由于 button、a、input 属都需要按钮样式，最初 button 和 a 嵌套导致了样式重复或失效、浮动位置出错（如下图 4、图 2），而单独的 a 和 button 却有样式不统一的显示问题（如下图 5），特别是单独的 a 的 button 样式，可能是基线的问题，padding 偏向文字左上方（如下图 1）。

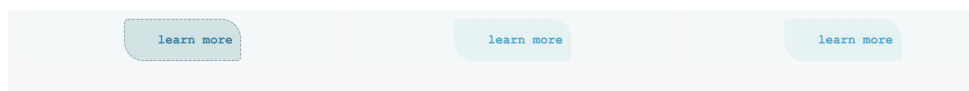


图 1 期望的样式，左侧按钮为 hover 状态，但 background 还是跑到了文字的左上方

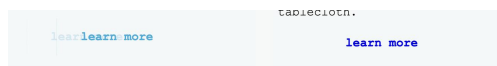


图 2 实际状态，左侧的按钮在 hover 状态下瞬移到了中间按钮的右侧，而最右的链接没有应用到该样式



图 3 a 的 button 样式的斜置

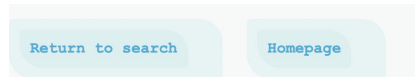


图 4 button 与 a 的样式冲突



图 5 设置了 button 样式的 a 元素与实际 button 元素的样式不一致

问题解决：

将所有 button、button 类的样式统一放置在 button.css 文件中，便于管理；

初级解决方案：将 button 与 a 分离，减少 class 属性，在 reset 中去除所以默认样式；

经过一番整理，按钮奇奇怪怪的显示确实不见了，说明 class 的叠加和重复确实是产生视觉效果错乱的一大因素。但是，单独的 a 和 button 还有样式不统一的显示问题。

进一步，在所有的 a 外层包裹 button 元素，各元素达到统一。

和老师交流后发现，a 的样式“不受控制”的原因是 a 属性的改变必须基于伪类选择器，即 a{...} 无效，而需使用 a:link, a:visited, a:hover, a:active{...}。由于工程量及 lab 的延续性，预计在 lab3 中做新的修改。