

AICloudAlbum

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AICloudAlbum

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Face Detail Page:

Get Face Detect:

Get Video:

Download Video:

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Welcome:

Video:

Tags:

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Search:

Mypics:

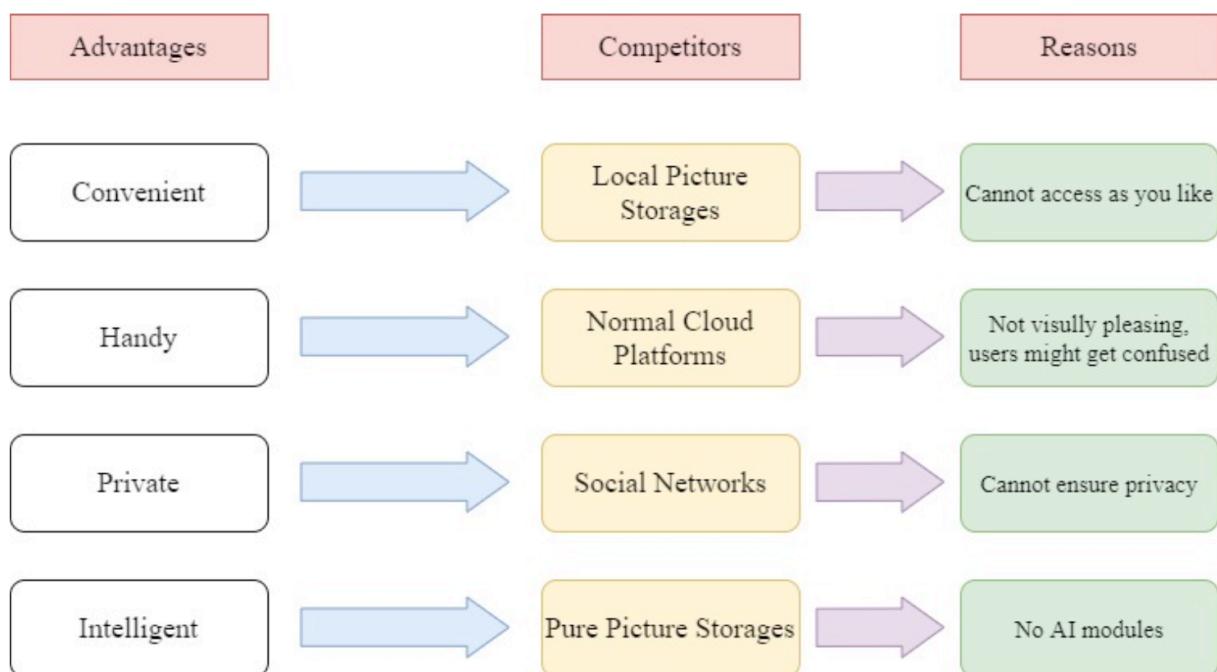
Face:

Error:

Background

如今，智能手机拍摄的照片越来越大。但是由于智能手机的内存有限，用户需要一个平台来存储他们拍摄或收集的海量照片。这就是我们开发 AI 云相册系统的原因。

下面列出了我们的系统与竞争对手相比的一些优势。



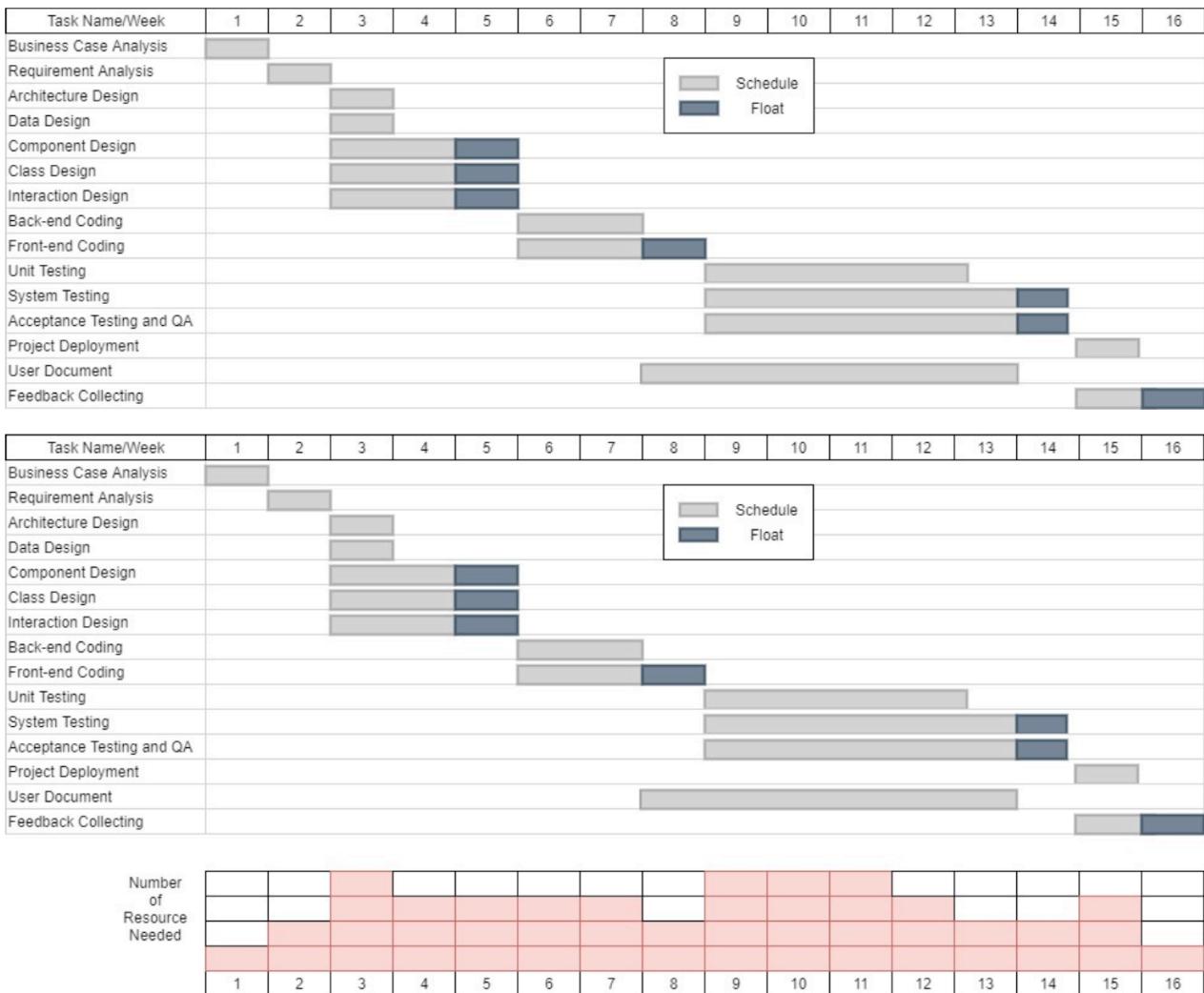
- 方便：用户可以随时随地上网，轻松使用AI云相册。注册也很简单。
- 易用：AI云相册的使用也很简单。清晰的导航和良好的可视化将引导您清楚地找到用户想要的功能。
- 隐私：如果用户将所有图片公开存储在社交网络上。他们可能不会随意更新他们喜欢的任何图片。但是在AI云相册中，所有图片都保证隐私。此外，用户可以确保他们的个人信息不会泄露。
- 智能：AI 图像模块内置于 AI 云相册。你可以使用图像标签系统让AI自动对您的图像进行分类。此外，您可以使用人脸识别系统来识别人脸，或者为您喜爱的照片生成精彩时刻。

General Goals of the Project

- AI云相册的全球目标，是为智能手机、PC用户提供一个方便、私密的平台，让他们有一个地方可以

安全地存储图片。如果他们愿意，他们可以尝试使用AI功能来帮助他们更有效地管理自己的照片。

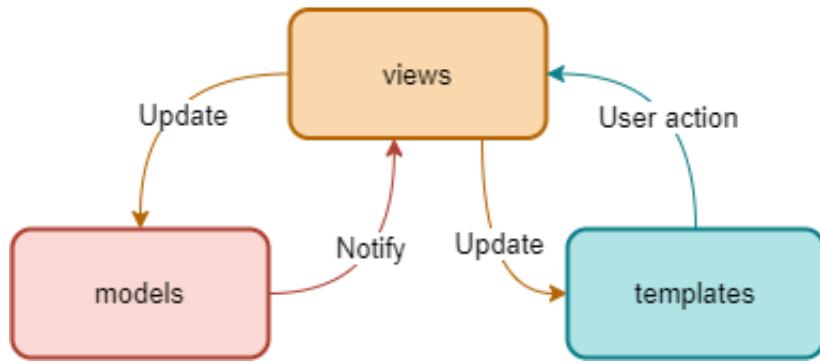
- 这是我们项目的甘特图。



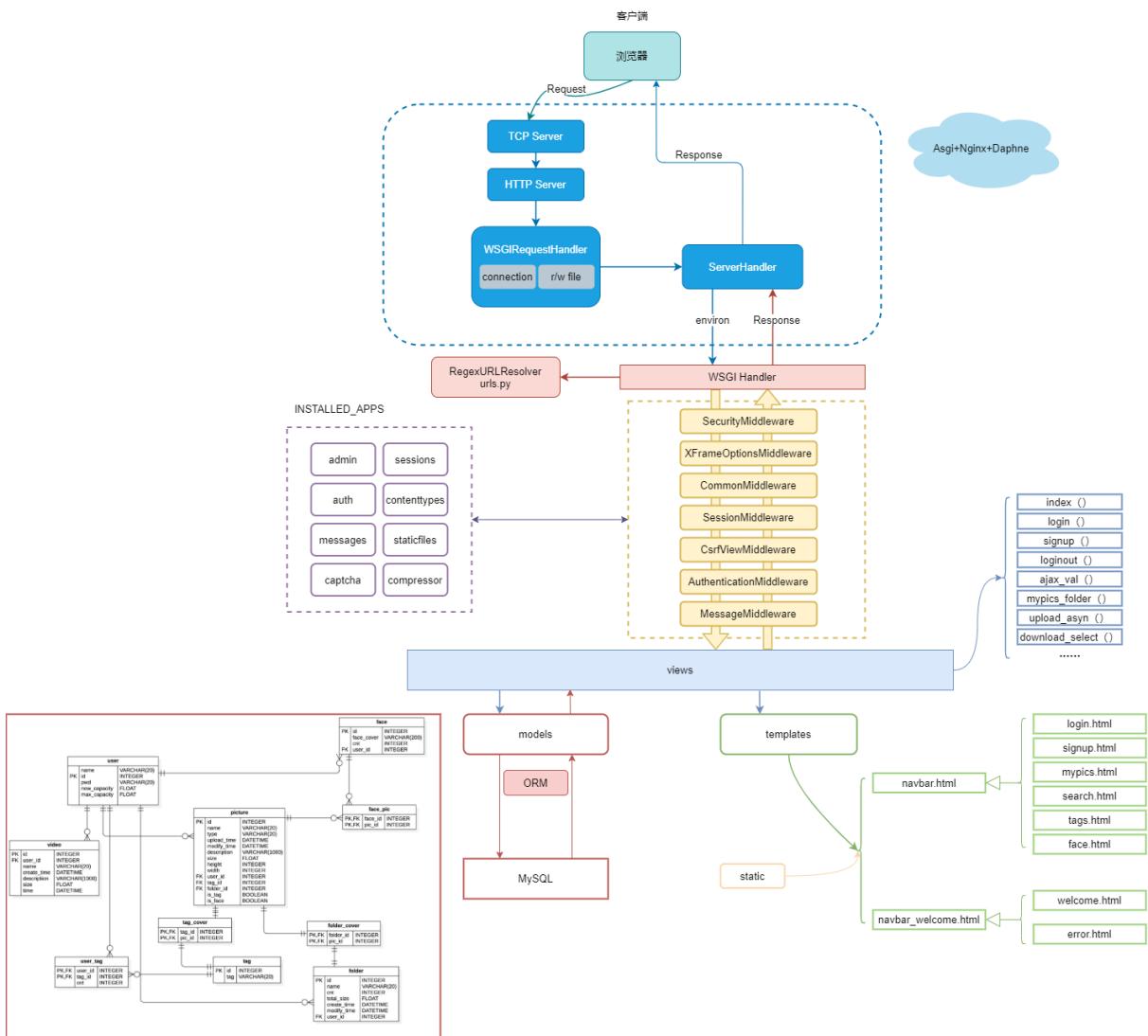
Software Architecture

- AI Cloud Album 使用 Django 作为其开发框架。
- AI云相册的设计基于Django的MVT（Model-View-Template）框架。
- 下面展示了 MVT 框架的设计。
 - Models: 类似于MVC中的M，负责与数据库交互和数据处理。
 - Views: 类似于MVC中的C，负责接收请求，处理服务，返回响应。
 - Templates: 类似于MVC中的V，负责封装和构造要返回的HTML。

MVT



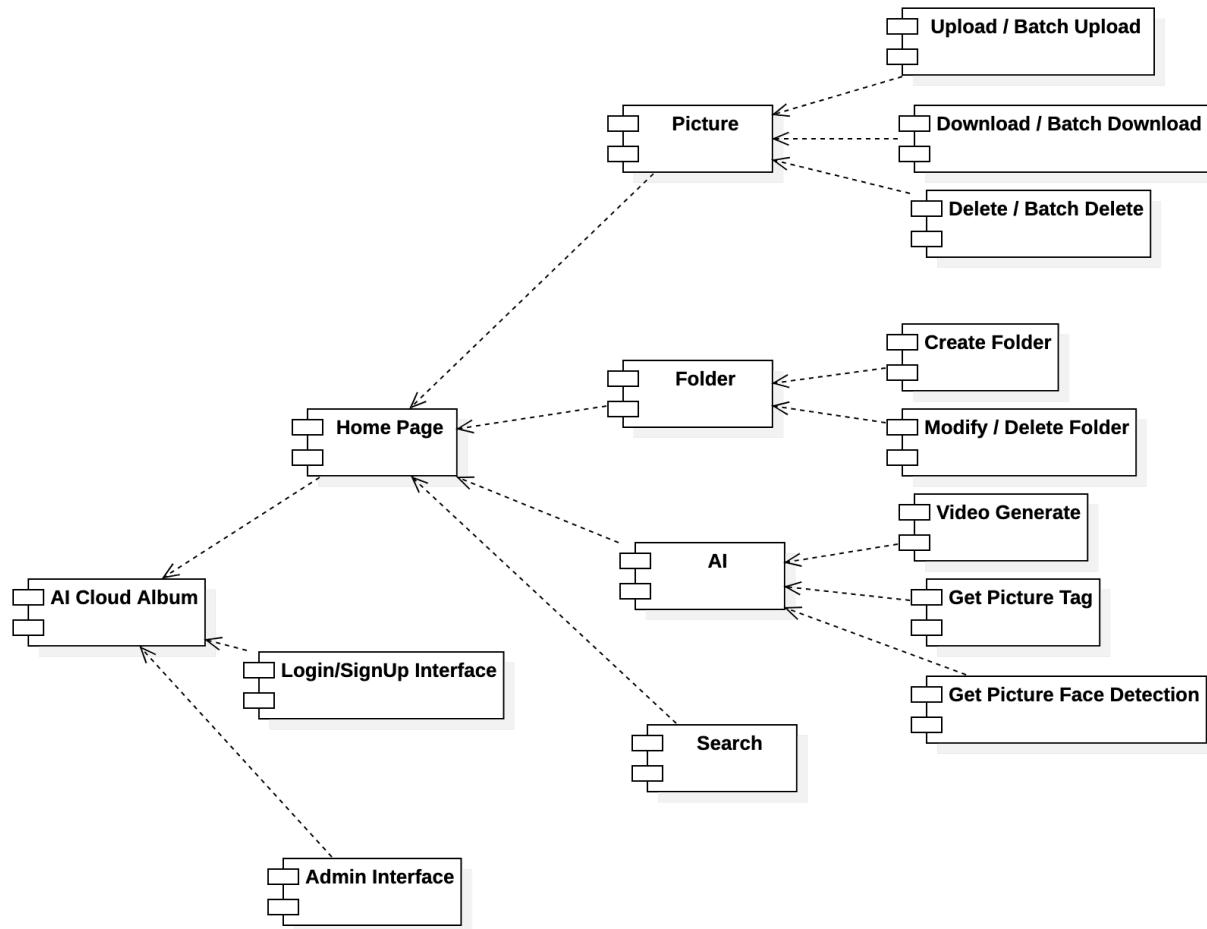
- 下面展示了AI Cloud Album项目的详细架构，包括服务器架构、模型、视图和数据库设计。



Major Components

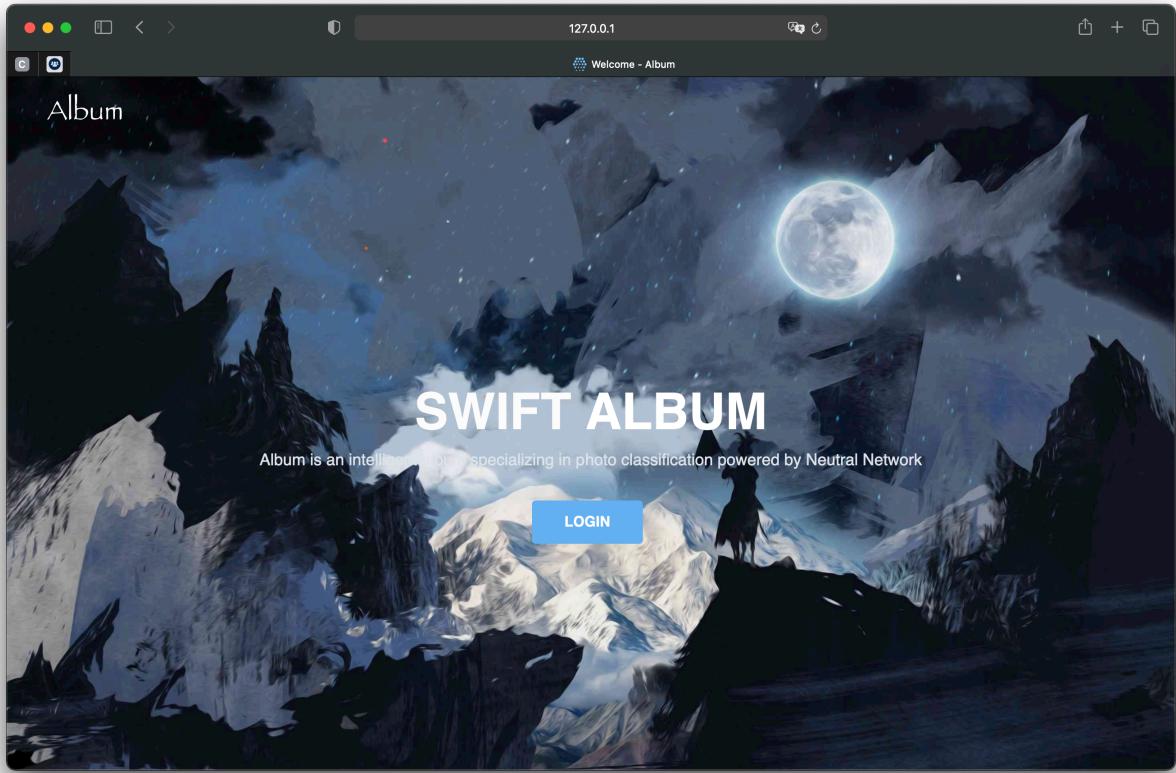
- 下图展示了AI云相册的主要组成部分，包括前端页面和后端功能。

- 我们的项目主要有4个功能模块：
 - 用户管理：管理用户信息，也用于登录或注册。
 - 图片上传：让用户将他们的图片上传到云存储。
 - 图片管理：让用户管理他们上传的所有图片：如删除、查看或进行更多交互。
 - AI图像模块：通过人工智能处理、分析图像、合成视频。主要是人工智能模块有图像分类和人脸检测模块以及合成精彩时刻视频。

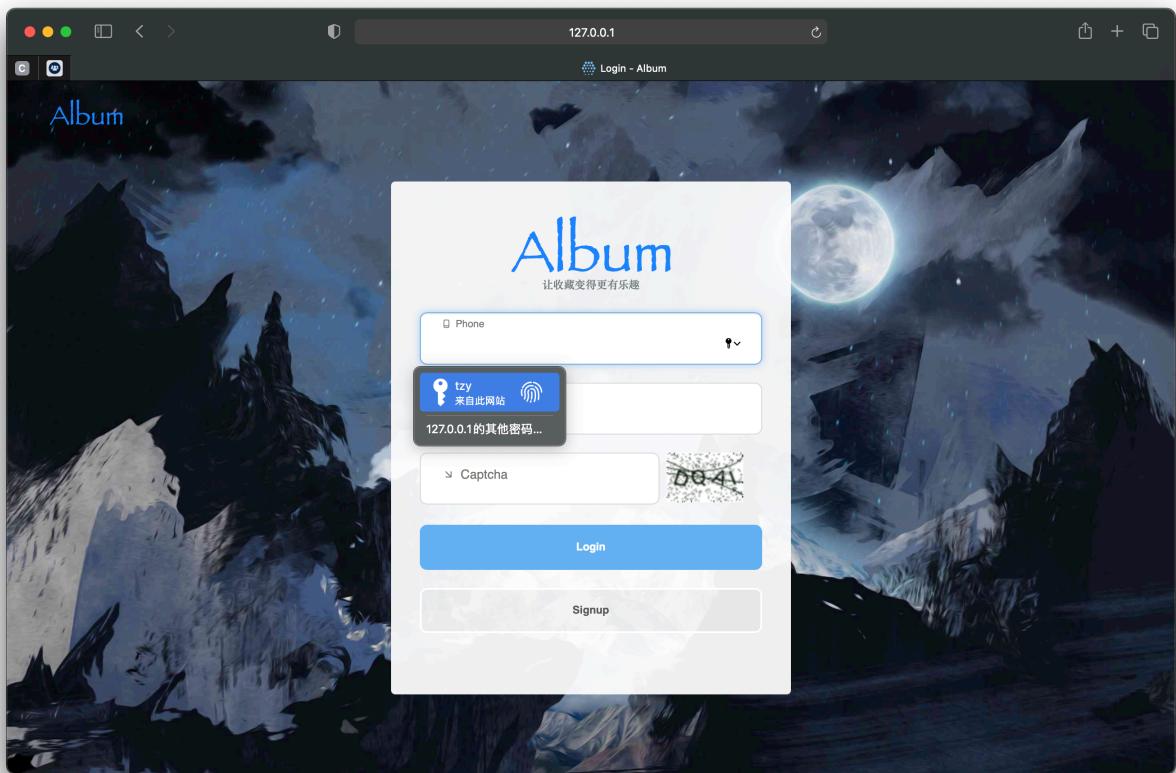


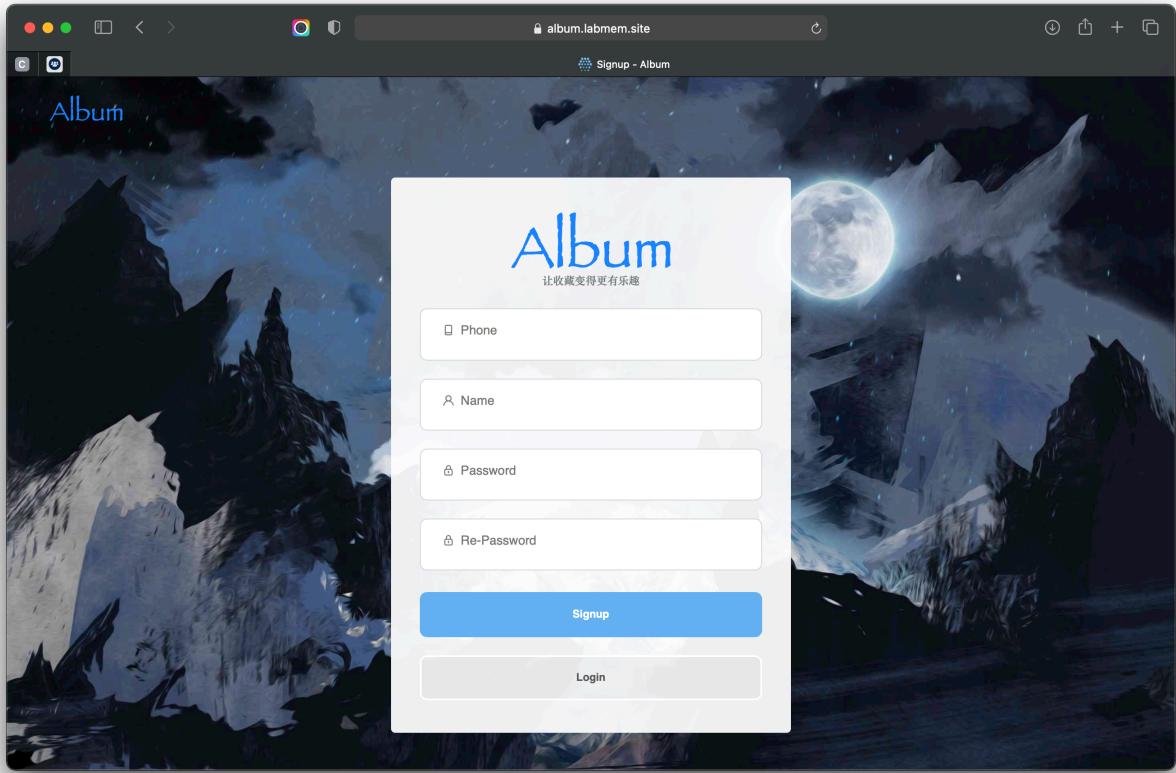
GUI / How to Use

- 推荐使用Chrome浏览器访问 AI 云相册 ALBUM , 进入欢迎页

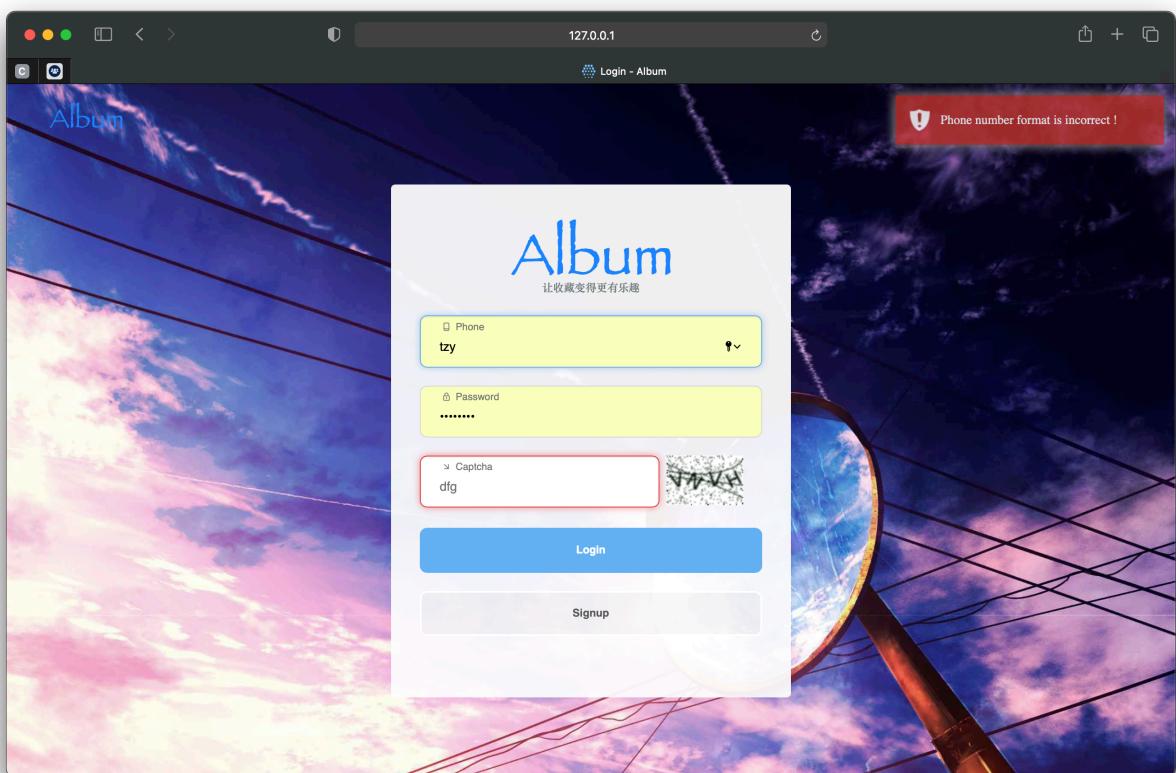


- 如已经注册账号，则进行登录。如未注册，请注册一个账号





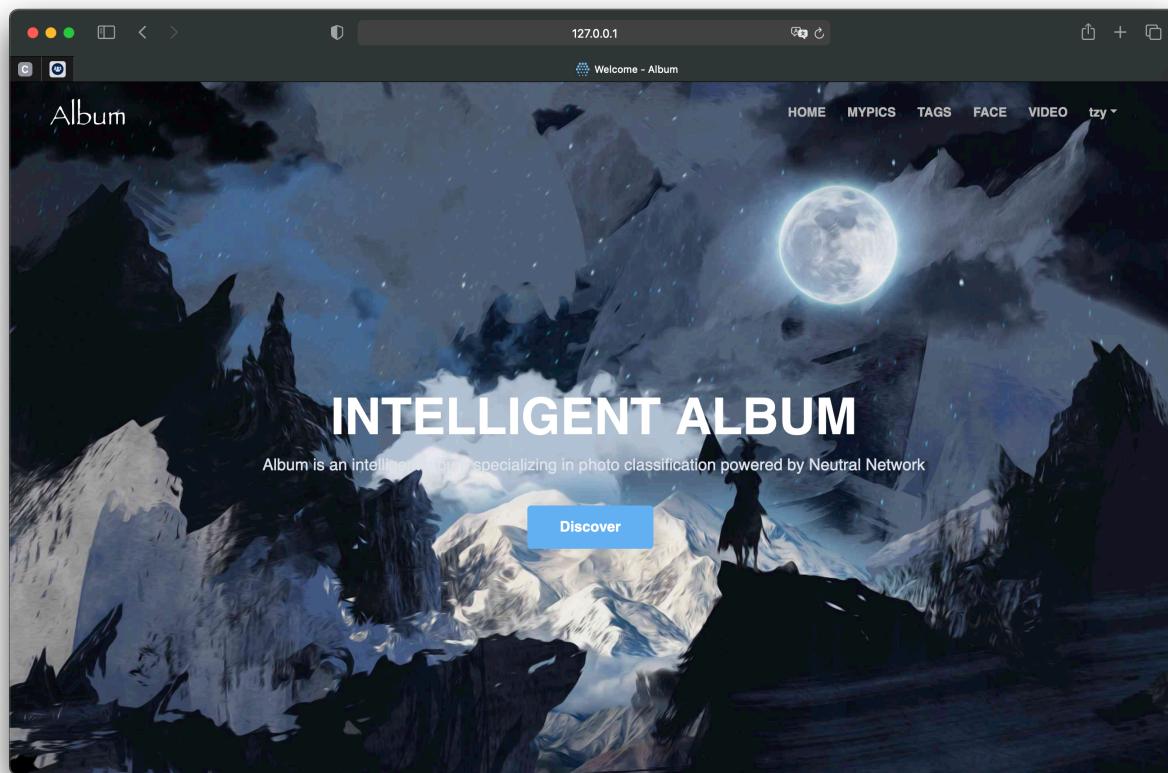
- 注册时需要输入符合电话号码标准格式的电话号码进行注册
- 登录时需正确输入验证码



- 登录成功后会在页面上方出现导航栏

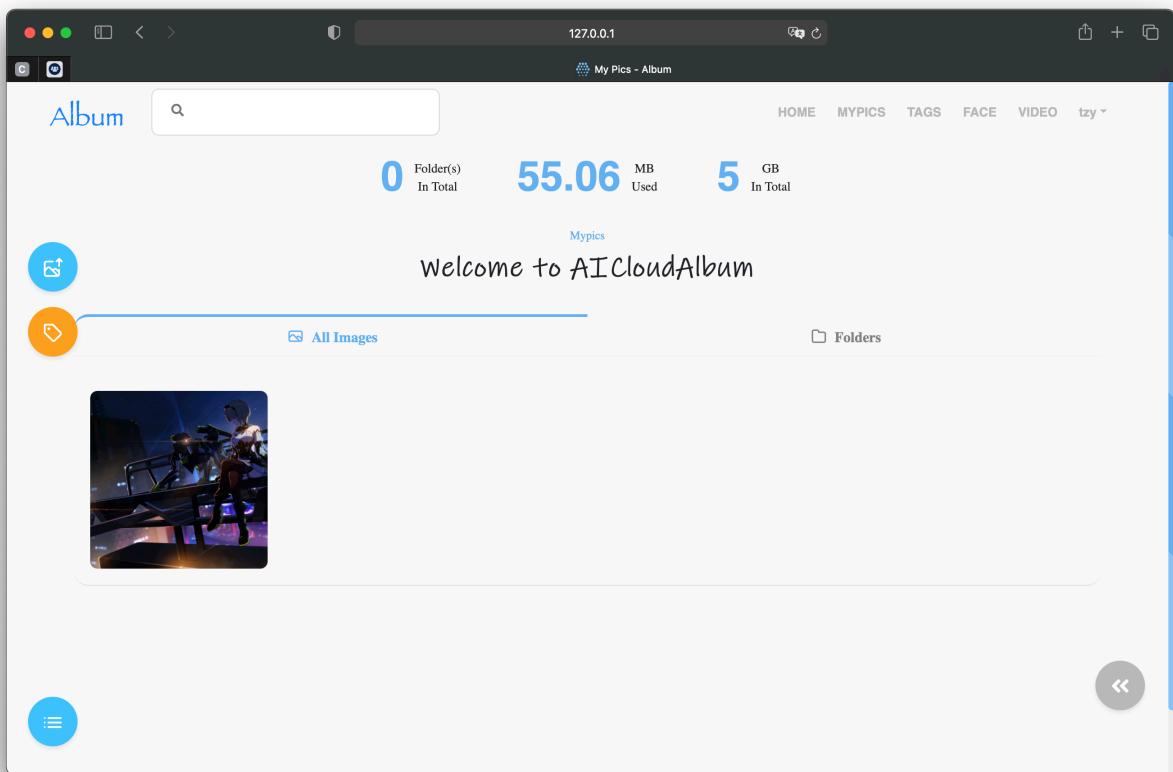
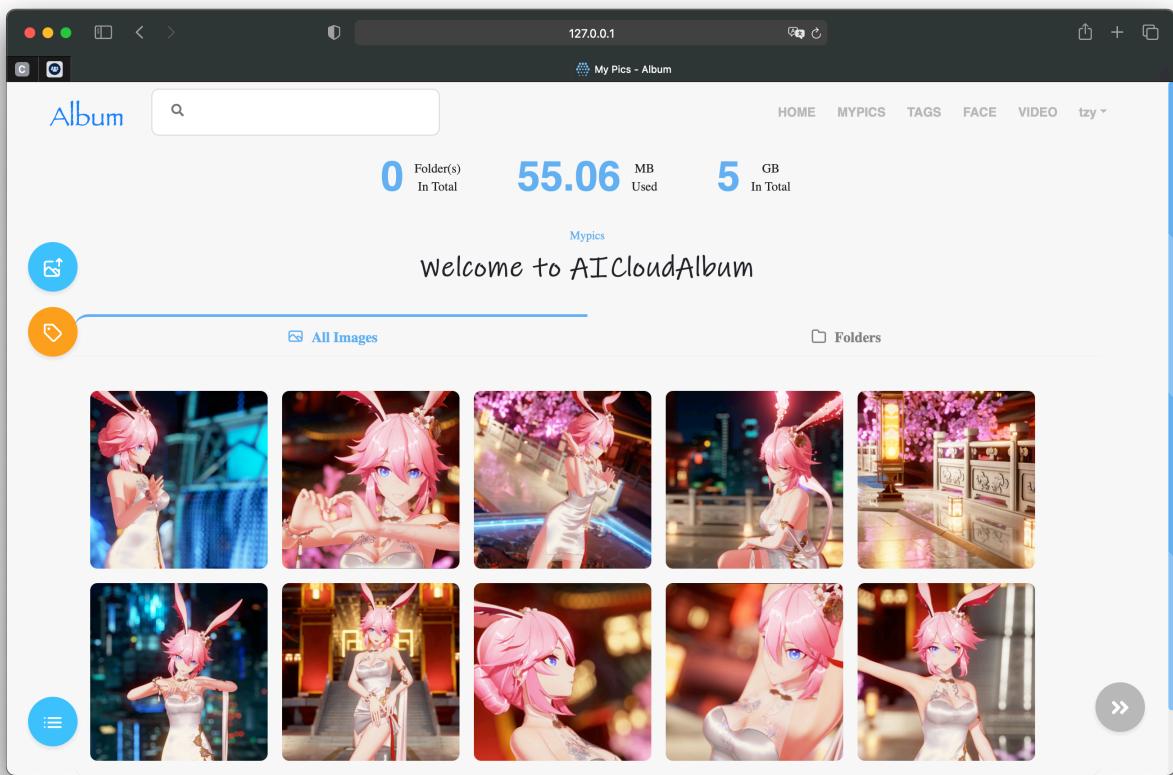
- HOME: 欢迎页 (本页面)
- MYPICS: 图片主页
- TAGS: 图片分类页
- FACE: 人像分类页
- VIDEO: 精彩时刻视频页

- **Discover** 按钮: 跳转到MYPICS



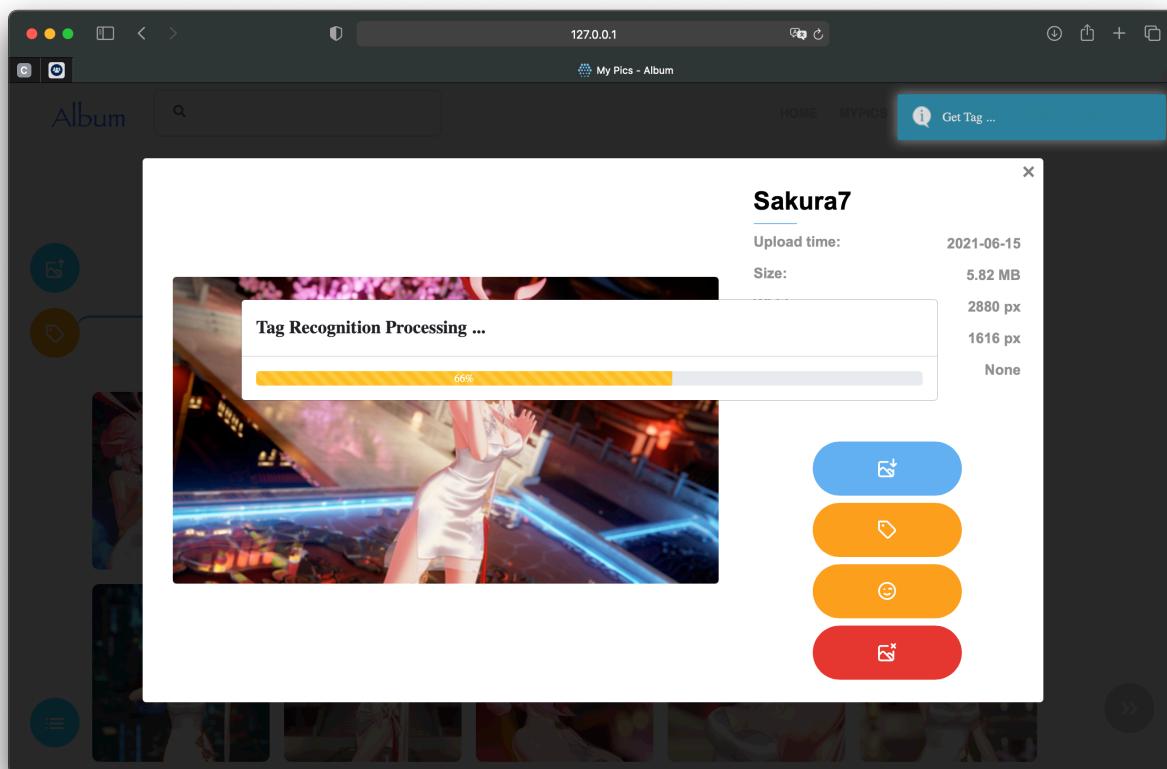
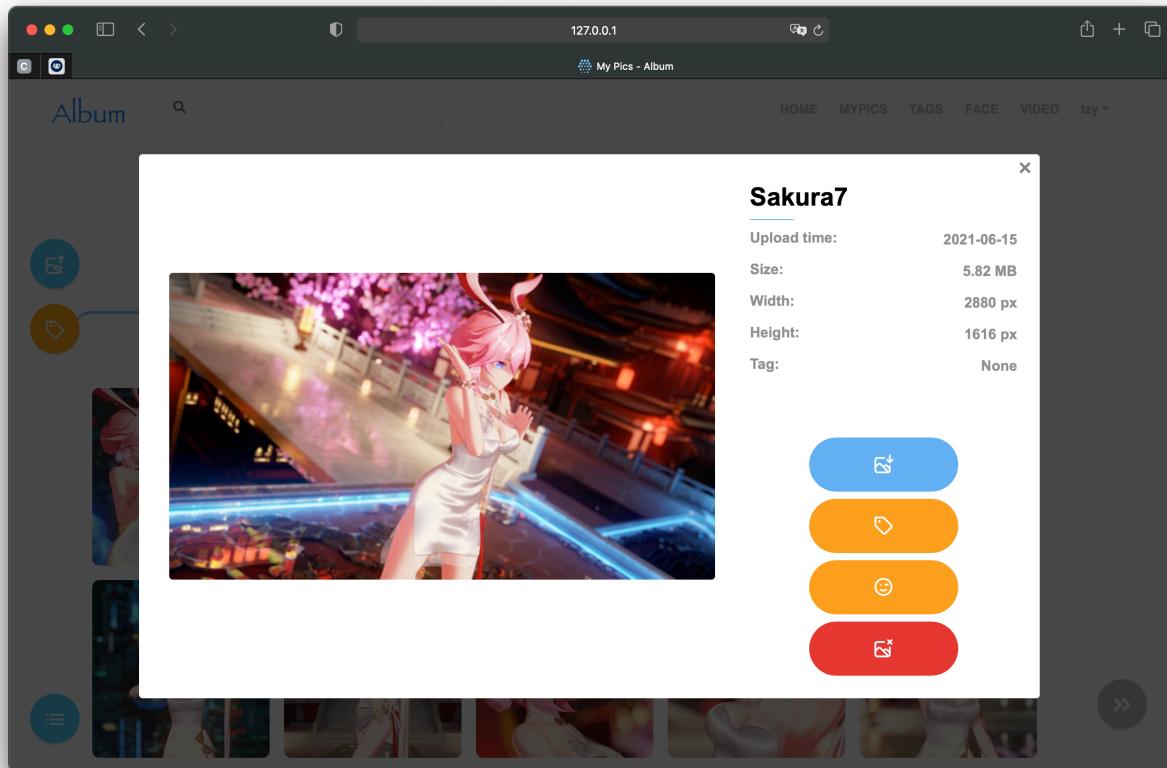
- 图片主页, 本页面具有如下功能

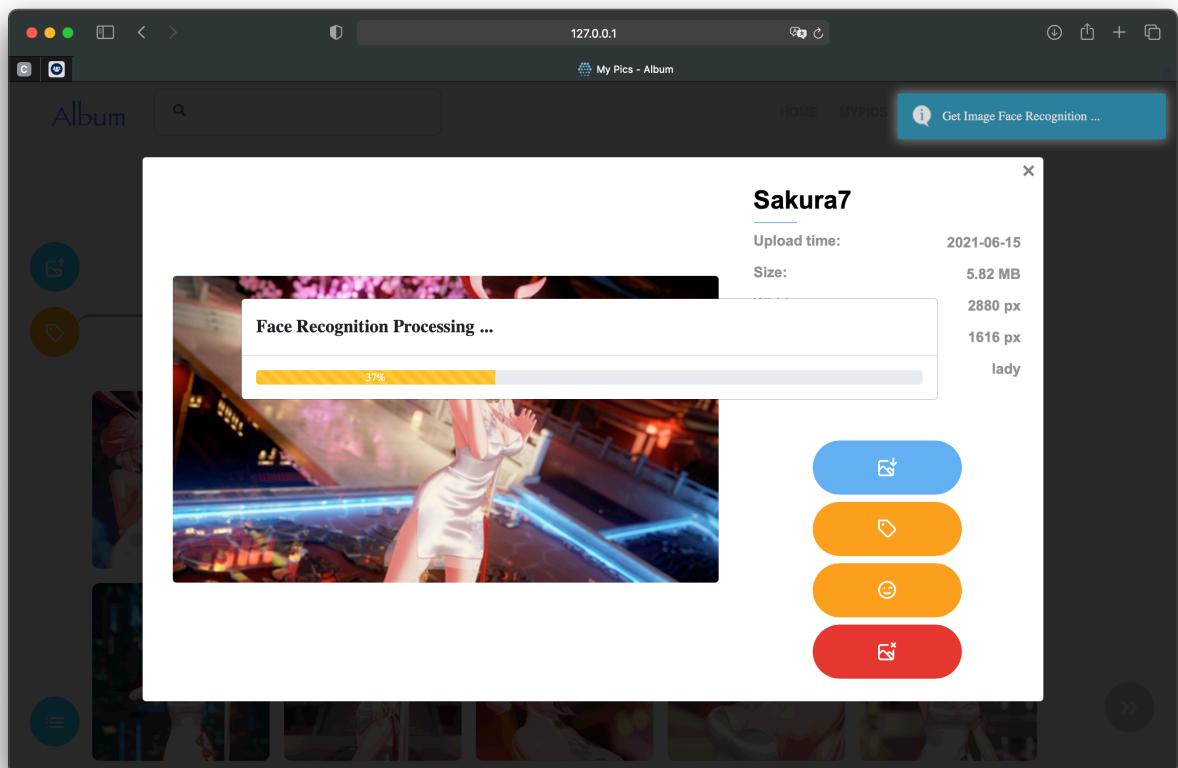
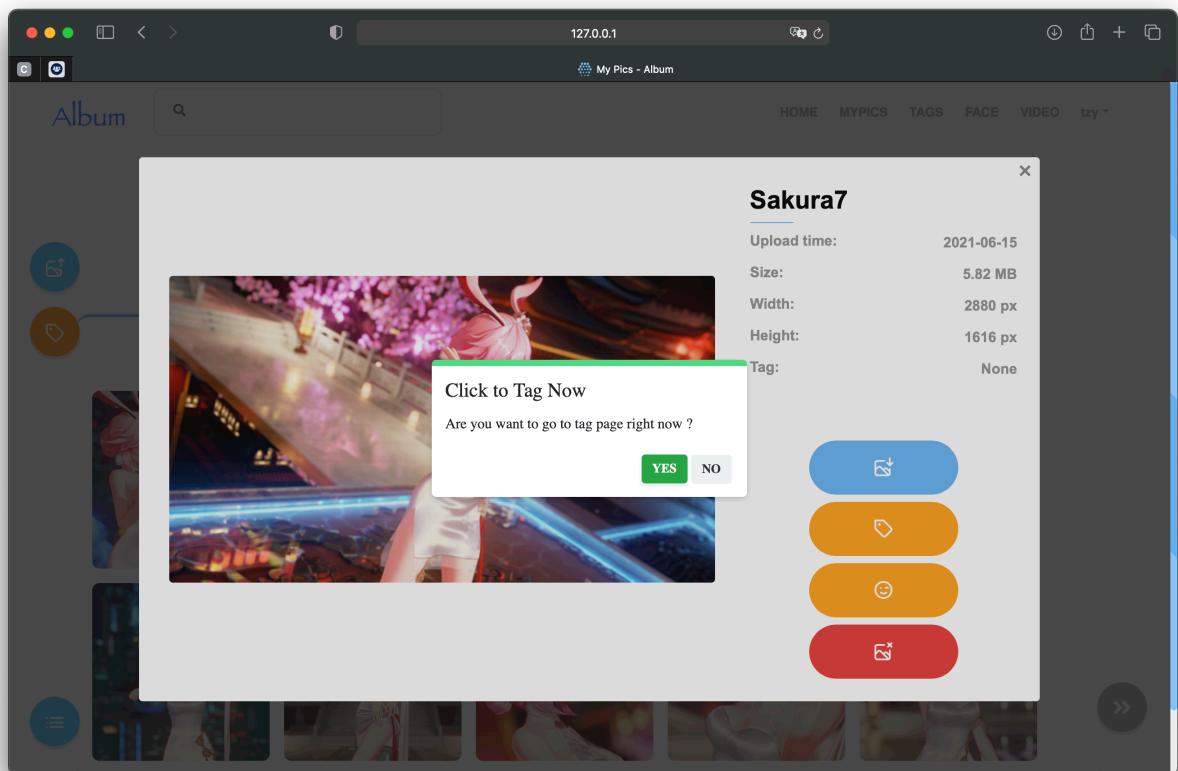
- 查看图片详情
- 创建并管理相册
- 上传图片
- 删除图片
- 选择图片添加智能标签
- 选择图片进行人像识别
- 选择图片创建精彩时刻短视频

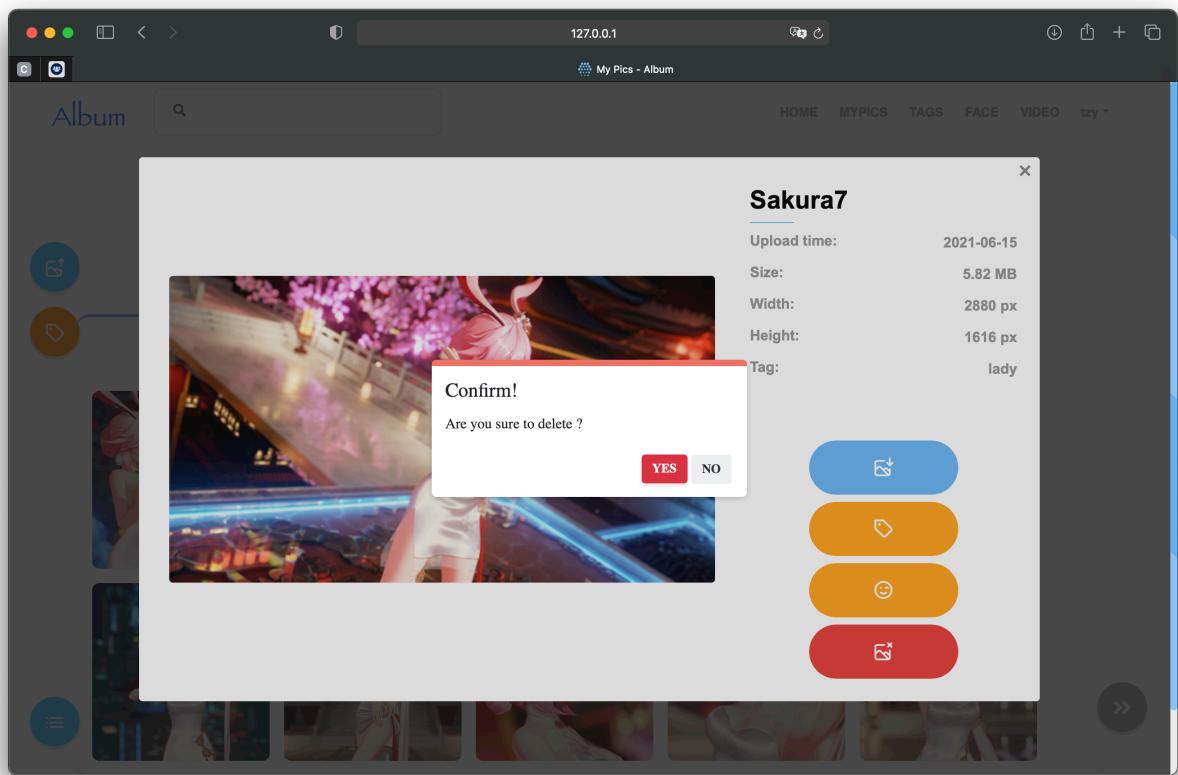


- 点击图片会弹出图片详情窗口，该窗口具有如下功能
 - 下载
 - 智能标签

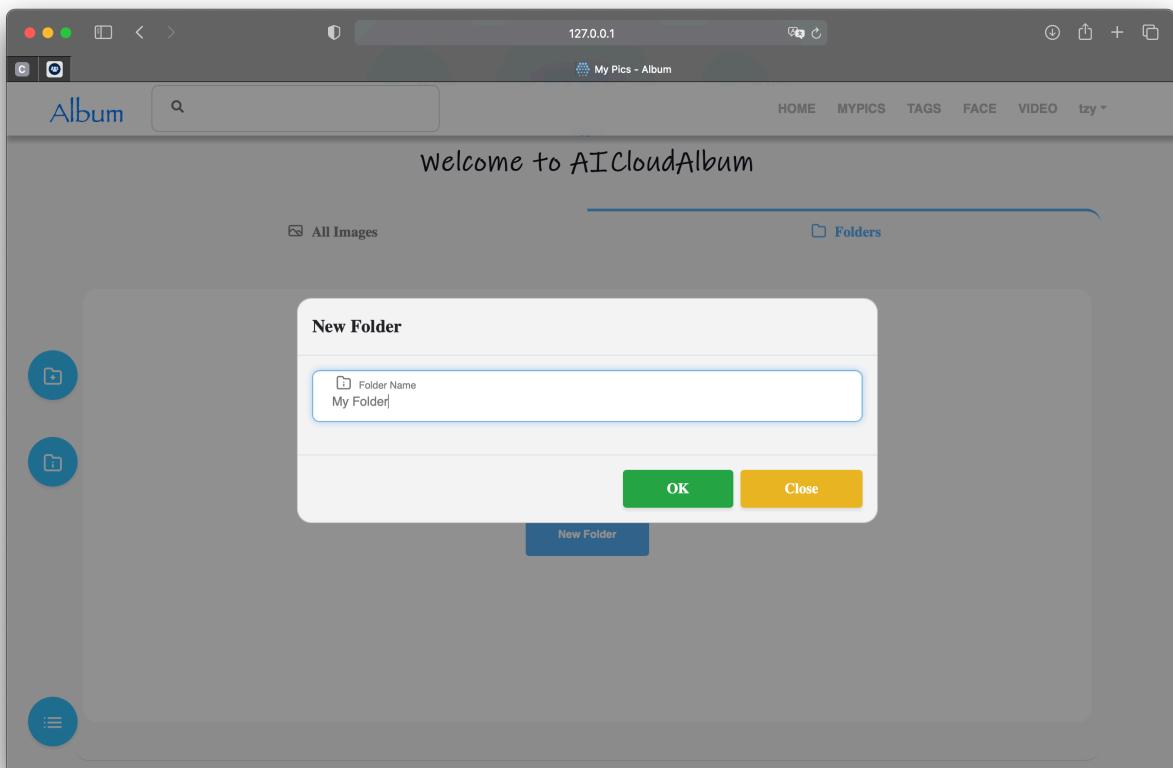
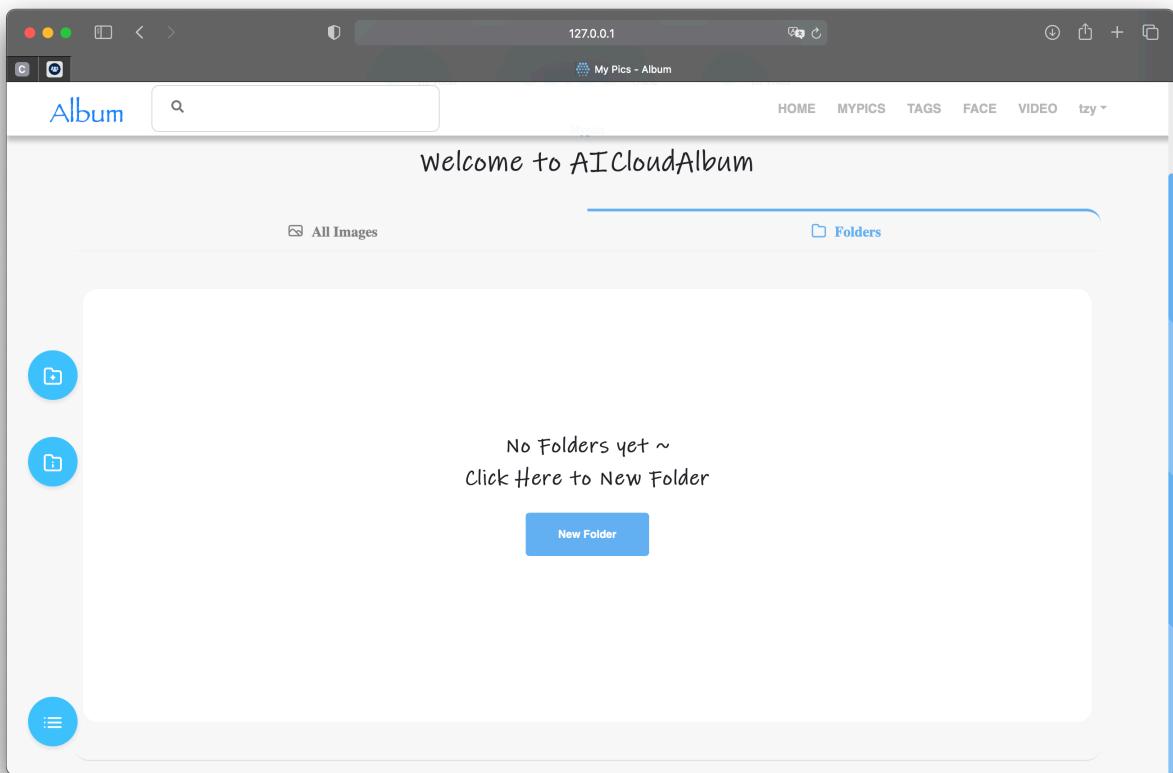
- 人像识别
- 删除

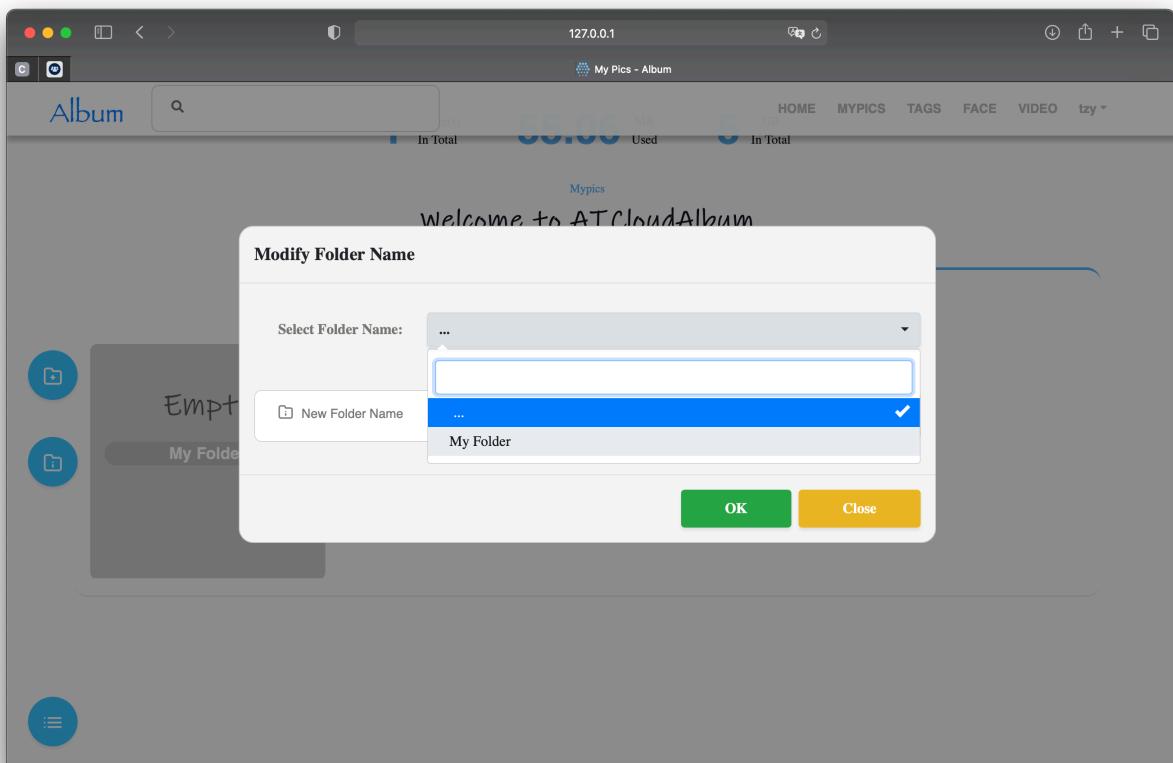
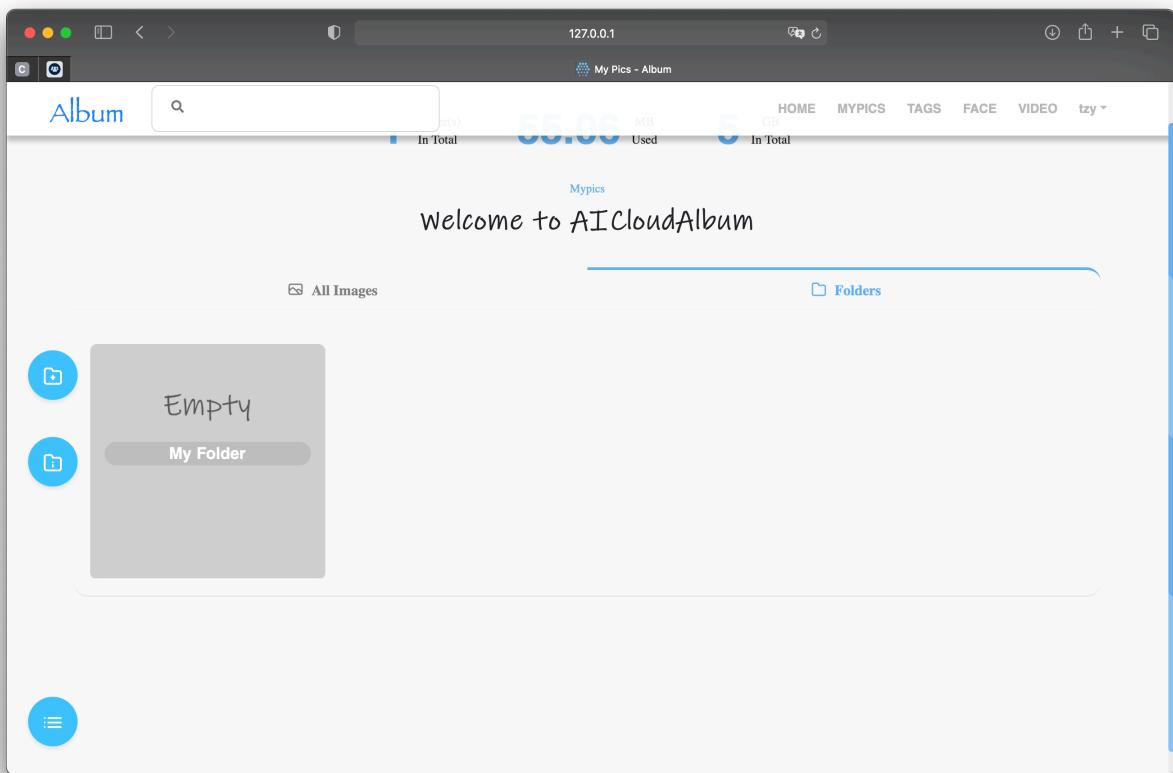


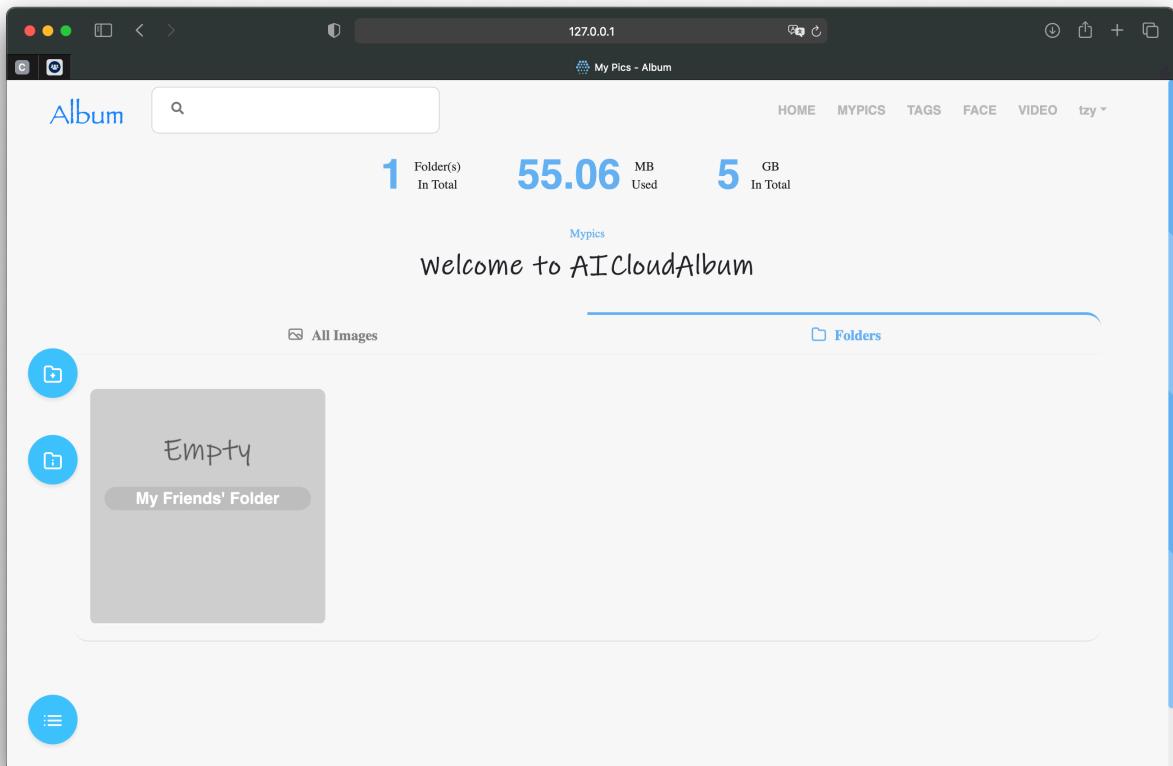
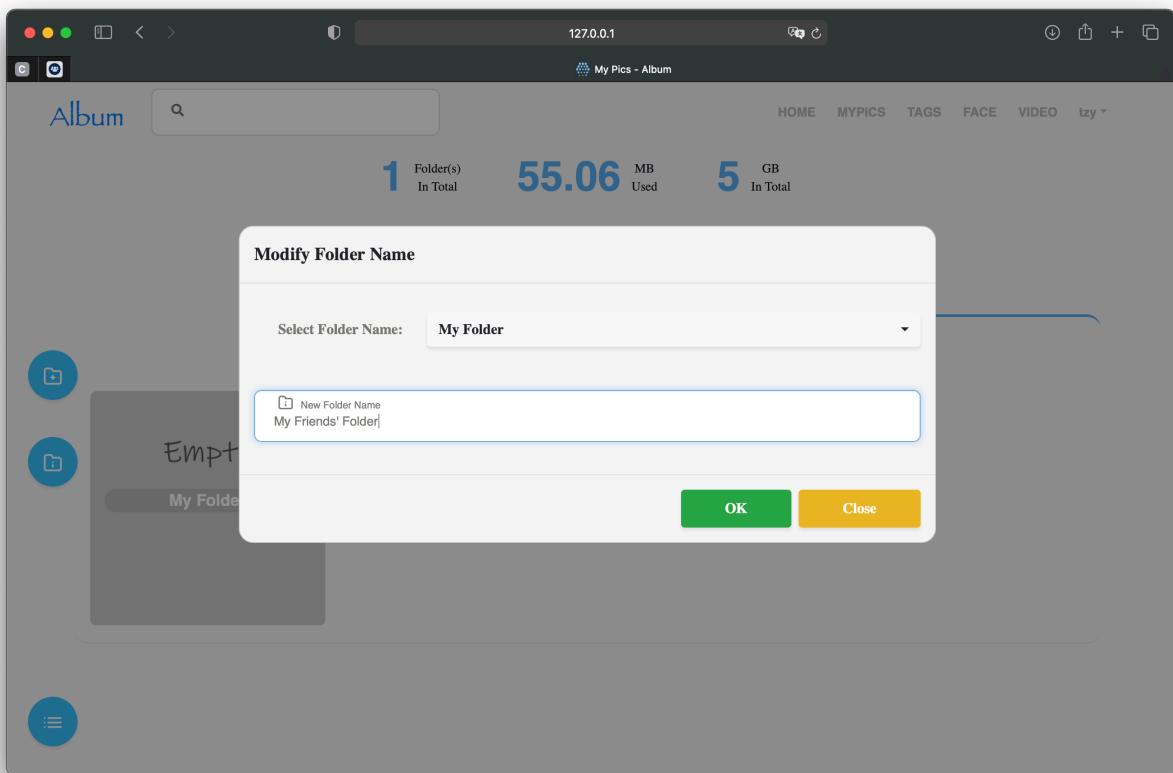




- 在图片主页可切换“所有图片”子页面到“相册”子页面，在该页面可以进行如下操作
 - 创建相册
 - 删除相册
 - 修改相册信息
 - 进入相册



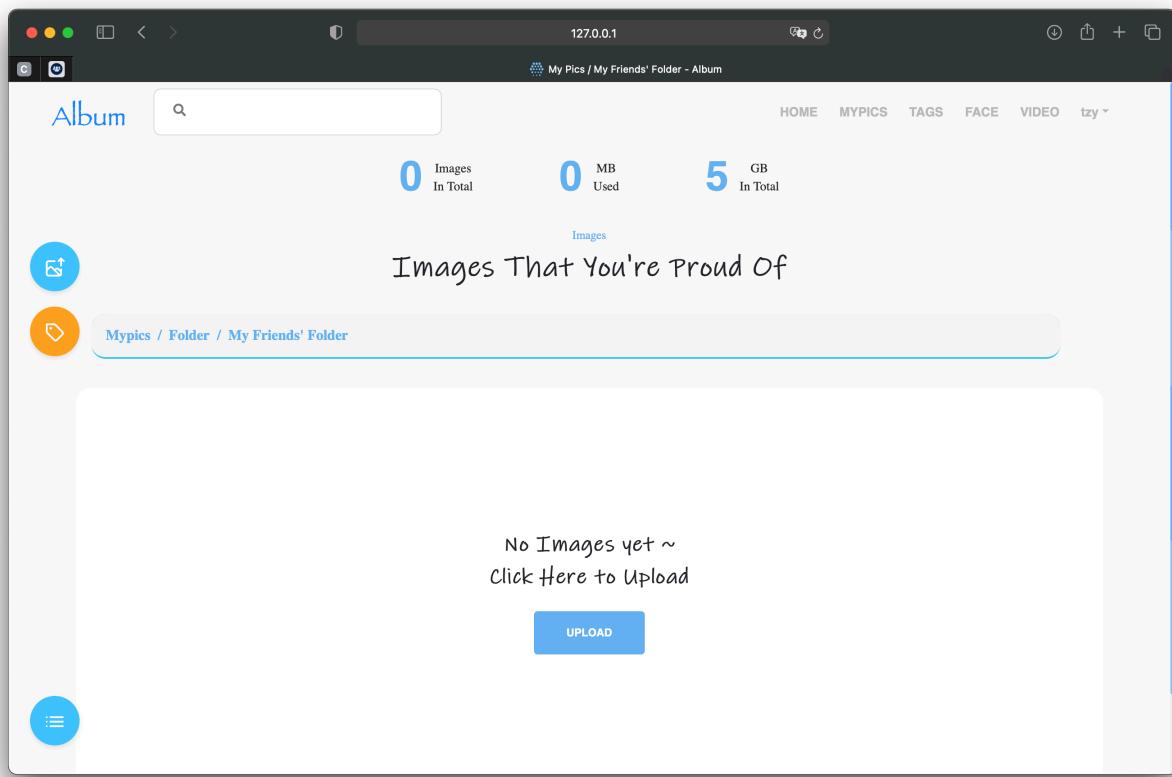




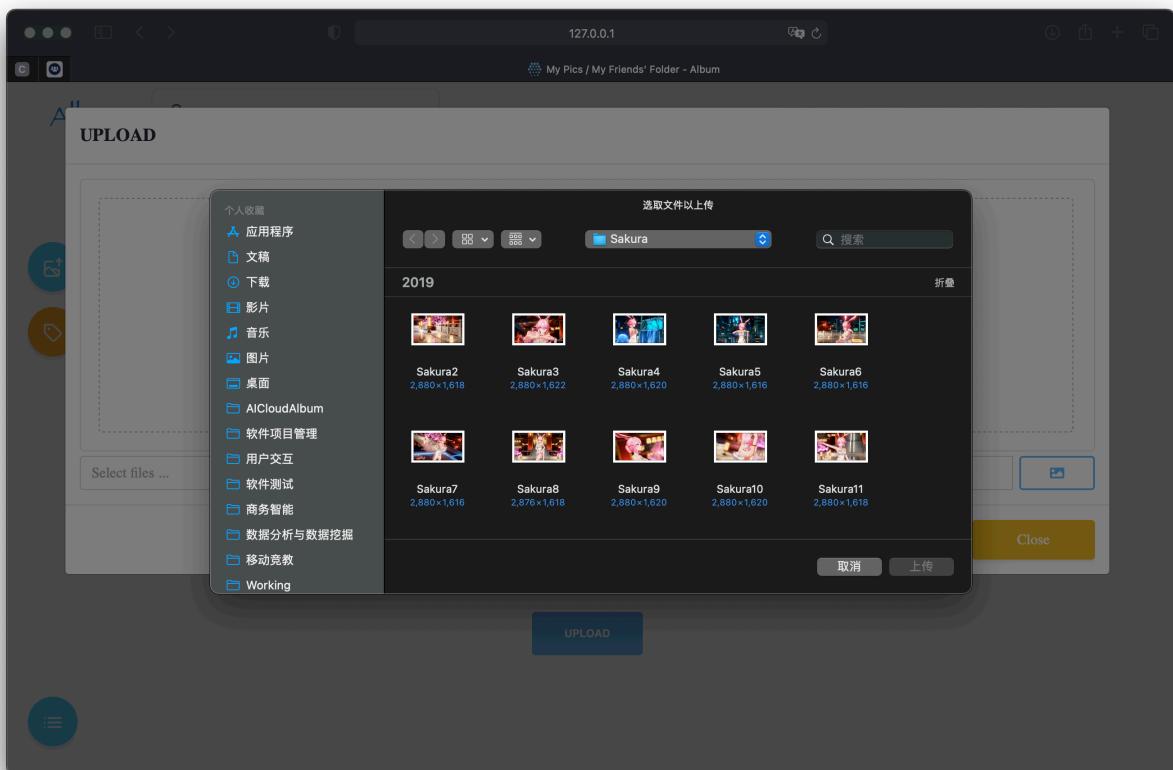
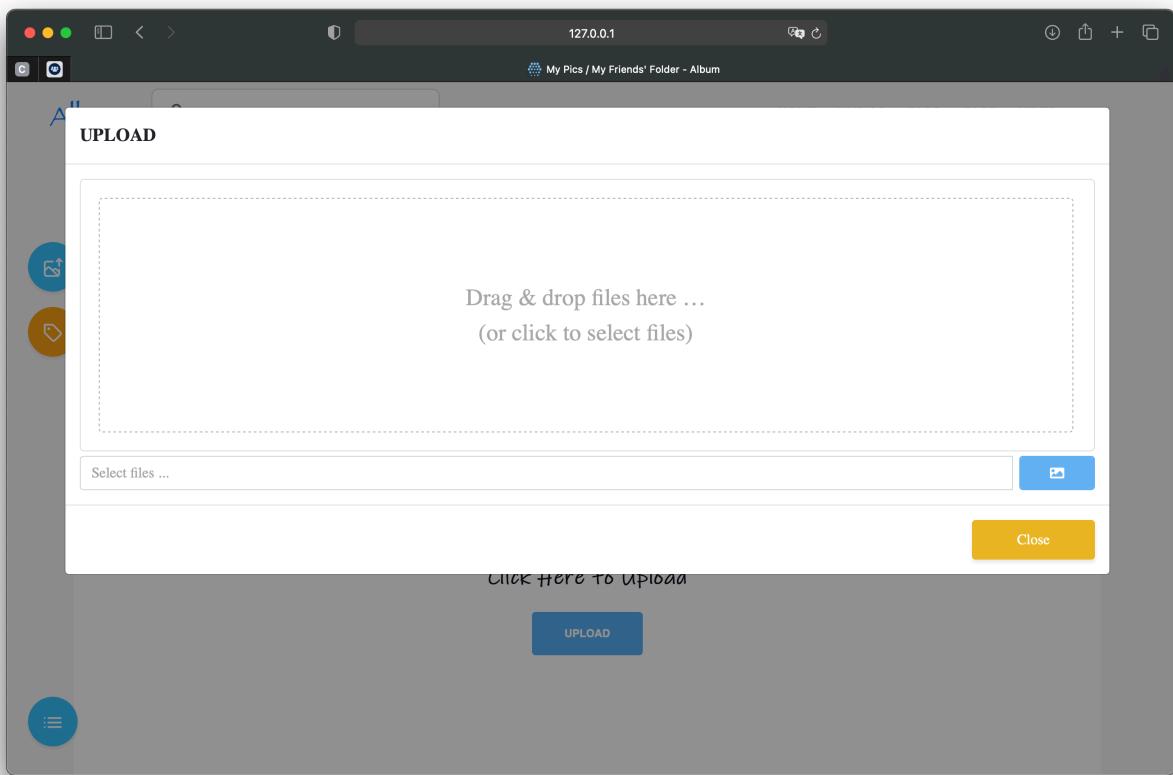
- 进入相册后，可以在相册中进行如下操作：

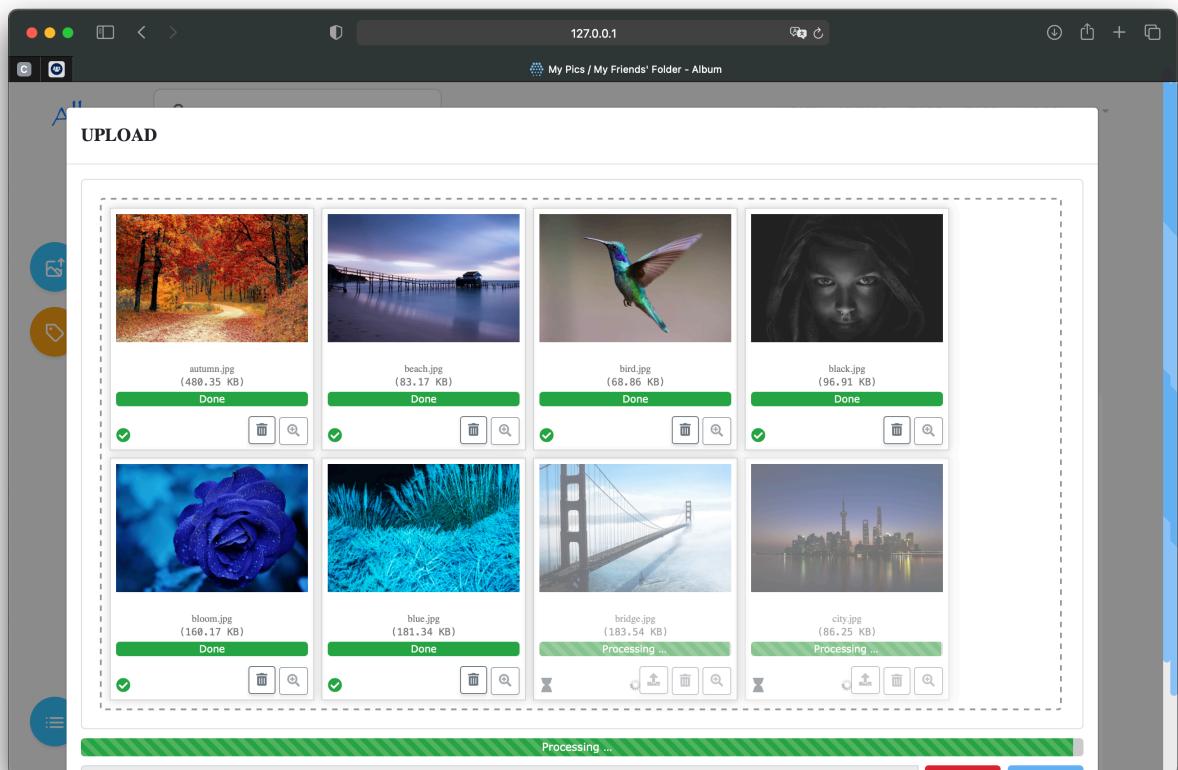
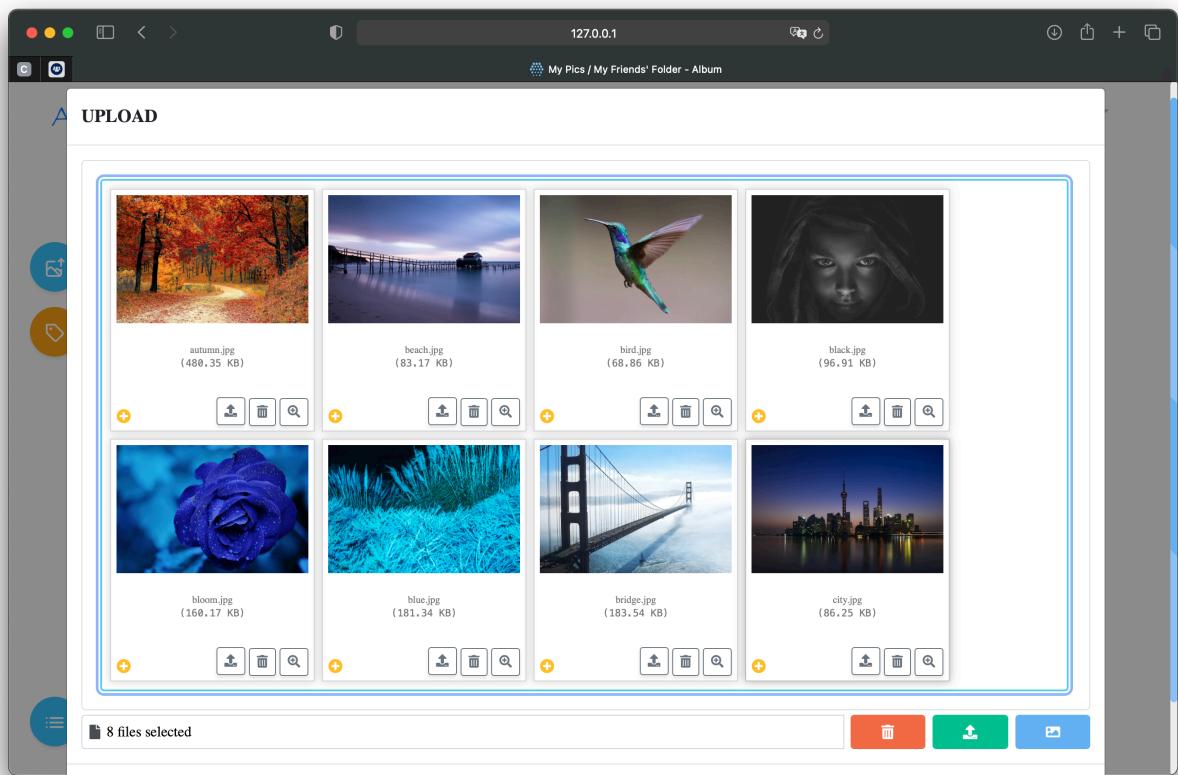
- 上传图片
- 删除图片

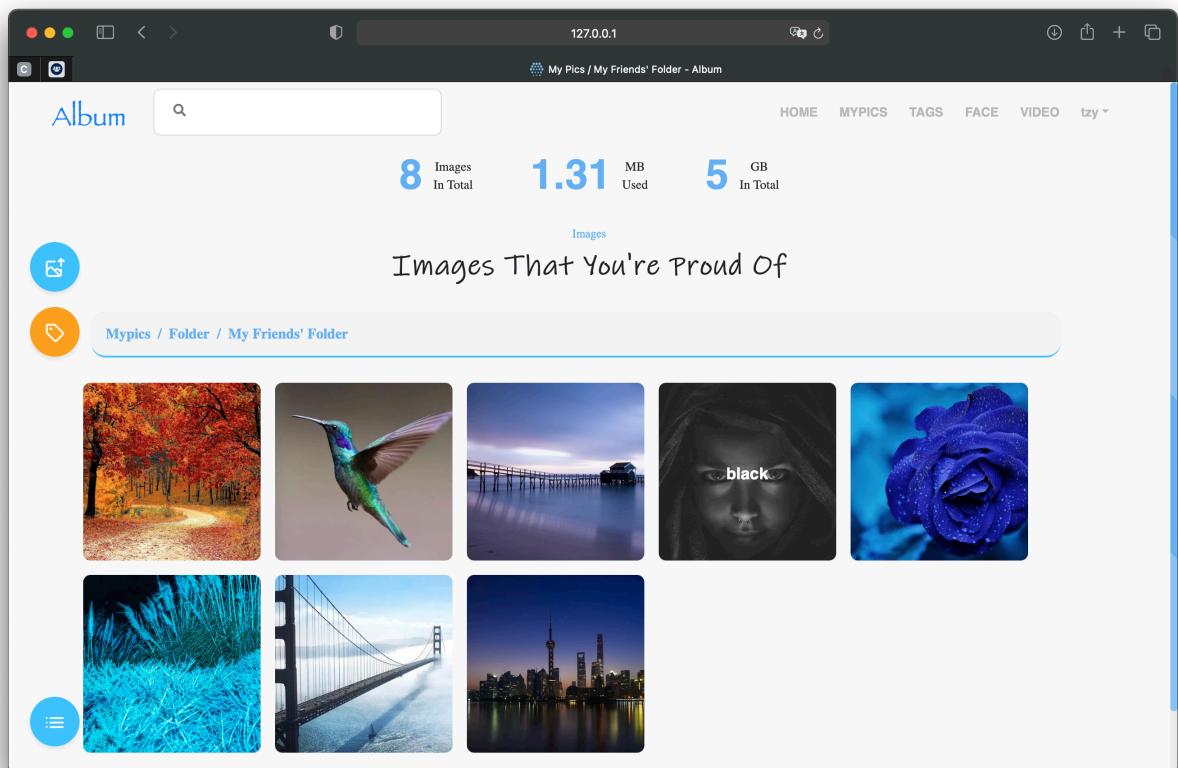
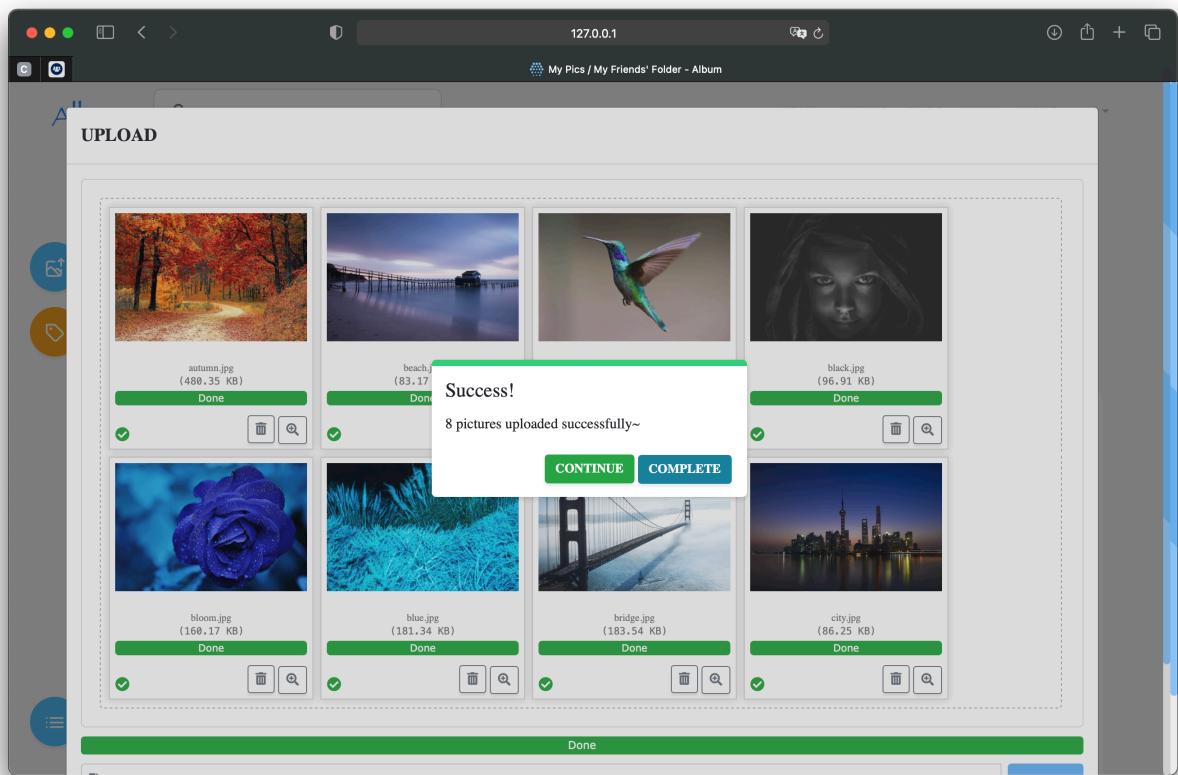
- 查看图片详情
- 智能分类
- 人像识别
- 创建精彩时刻短视频



- 上传图片功能，在“所有图片”和“相册”中都可以进行图片的上传

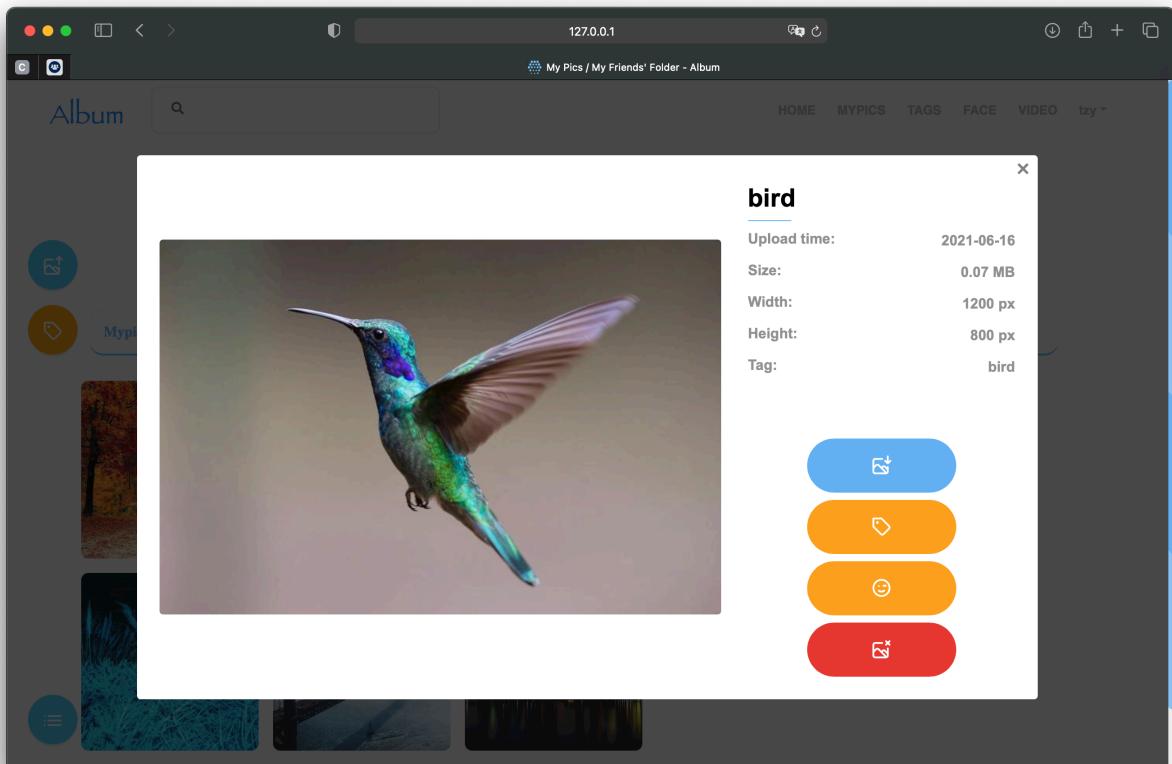
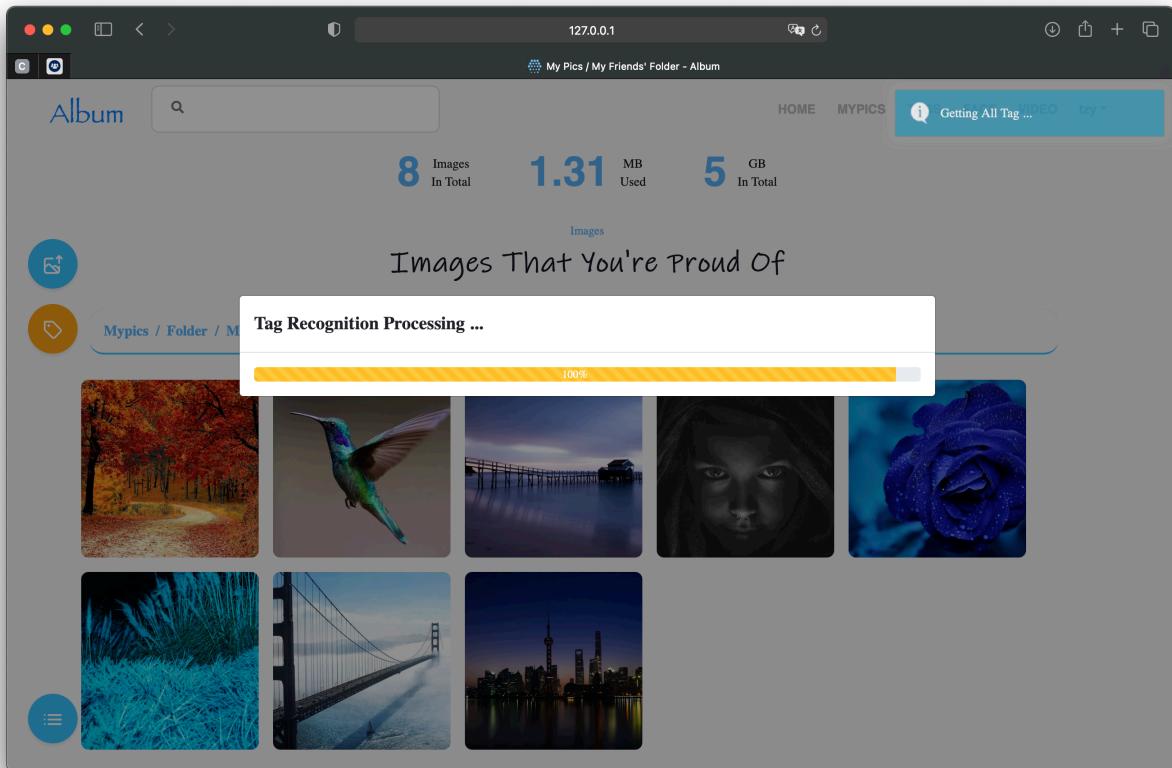






- 智能标签，使用AI（基于MobileNet，使用迁移学习技术生成的神经网络）对用户上传的图片进行单标签分类（共53个类别）。用户可以在“所有图片”、“图片相册”内以及图片详情页主动对上传的图片进行智能标签。如用户忘记对上传的图片进行标签，后台程序会在用户登出后对所有未标签的

图片进行智能标签。



Album

My Pics / My Friends' Folder - Album

HOME MYPICS TAGS FACE VIDEO tzy ▾

black

Upload time: 2021-06-16
Size: 0.09 MB
Width: 1200 px
Height: 800 px
Tag: black








Album

My Pics / My Friends' Folder - Album

HOME MYPICS TAGS FACE VIDEO tzy ▾

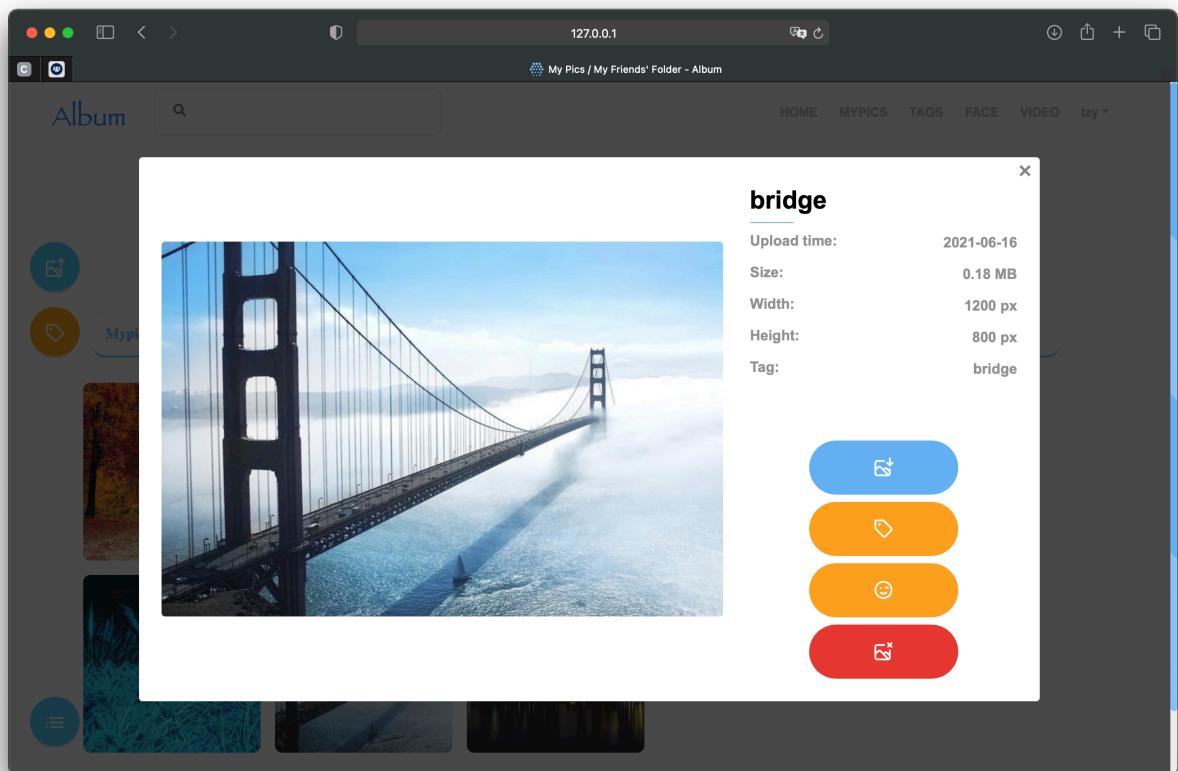
bloom

Upload time: 2021-06-16
Size: 0.16 MB
Width: 1200 px
Height: 800 px
Tag: rose

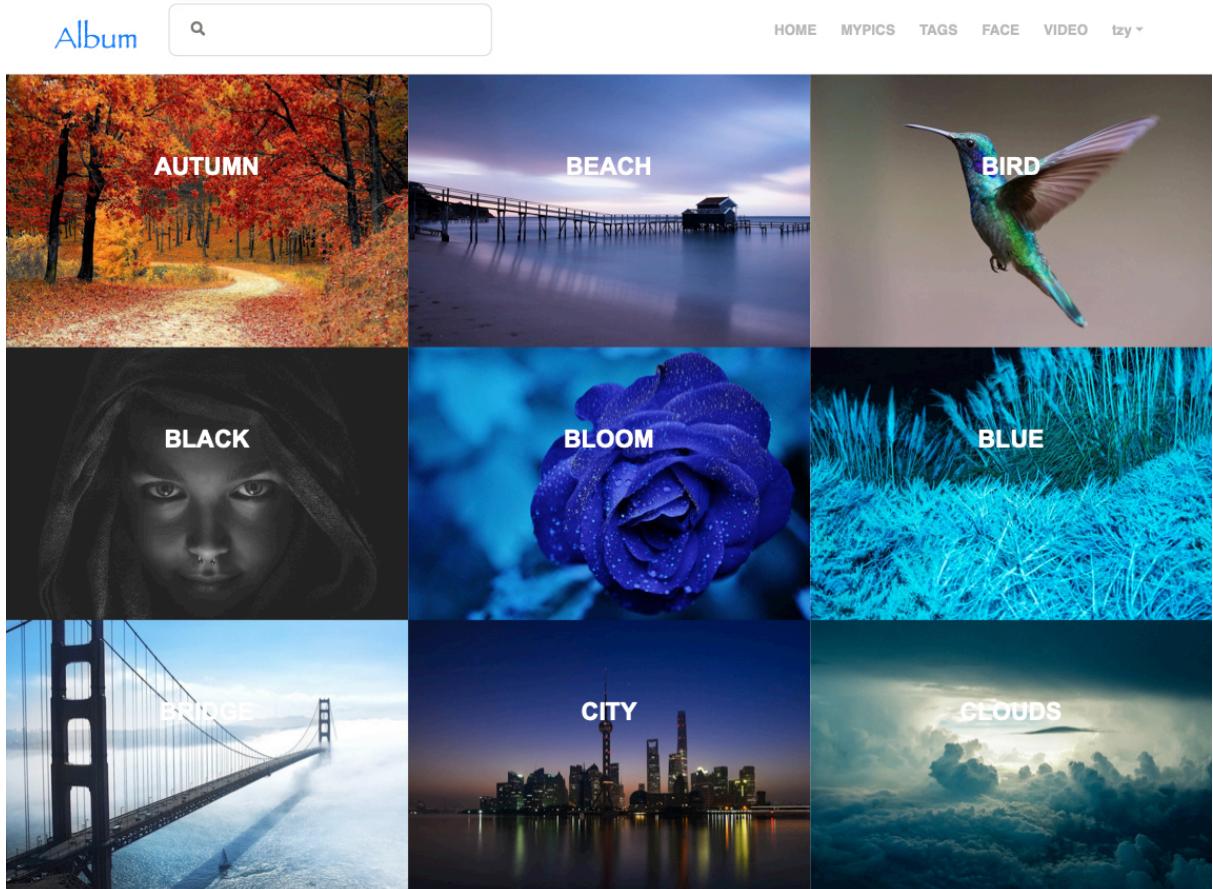


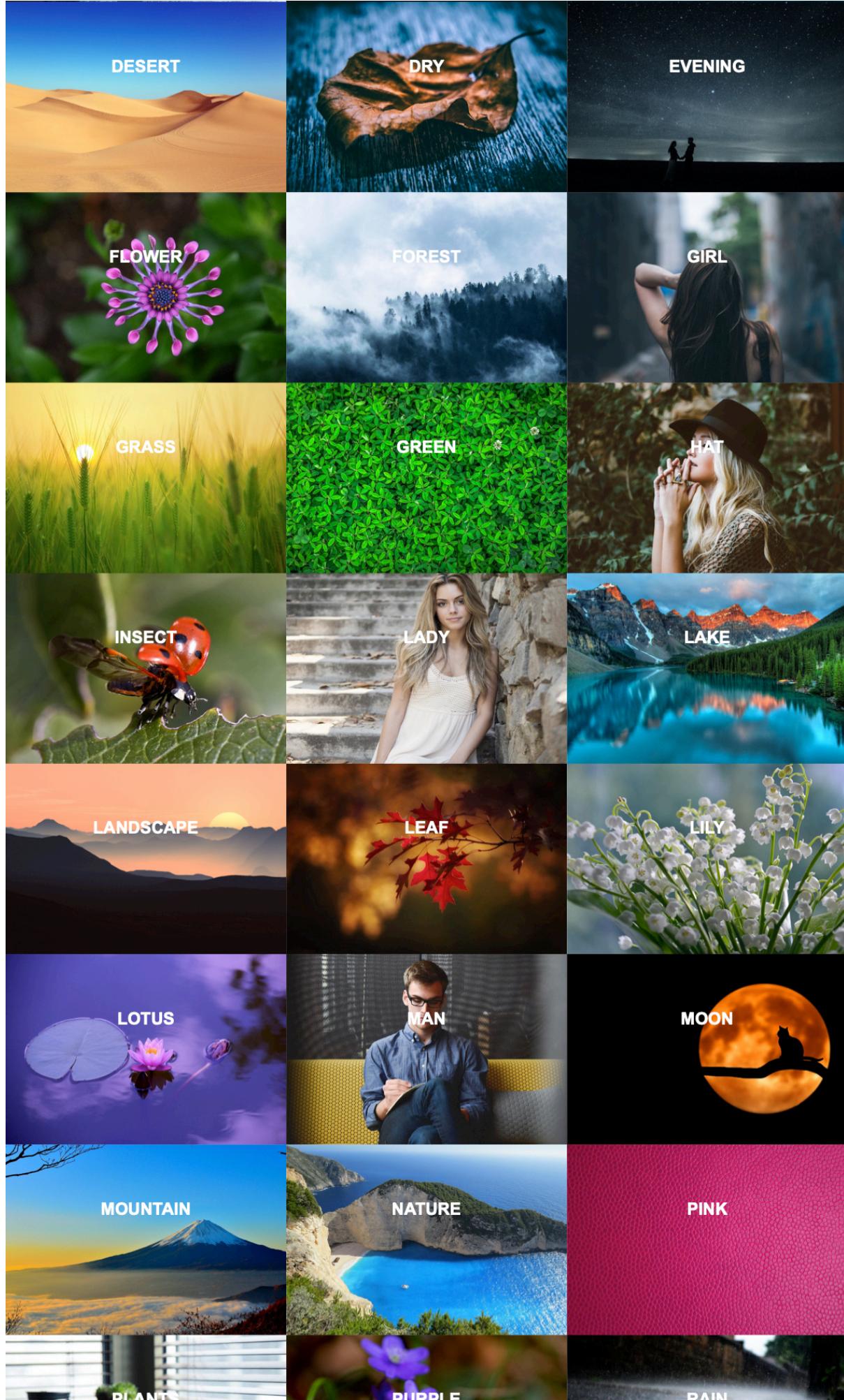


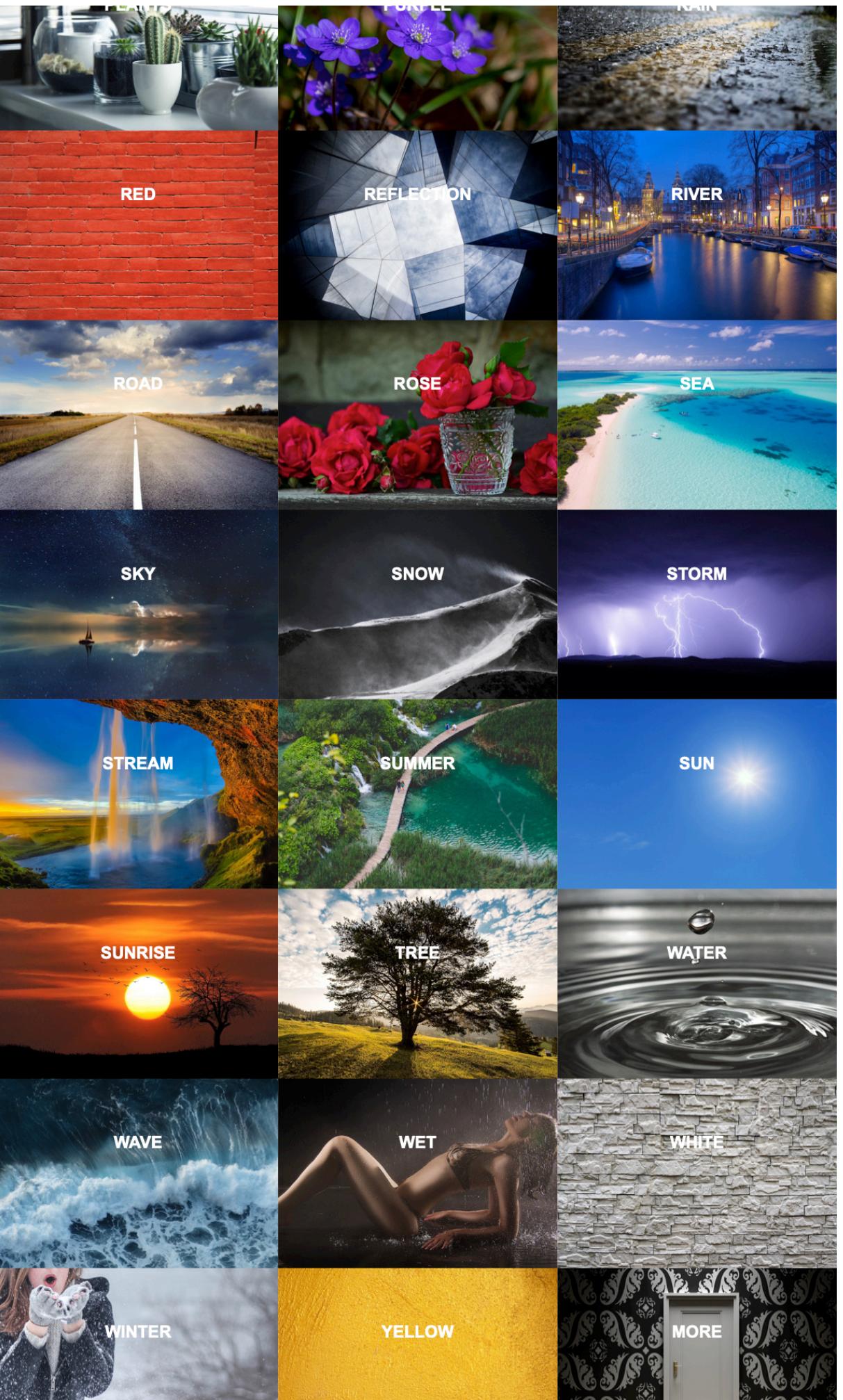


- 经过智能标签的图片会在“Tag”属性显示它们所属的标签，同时可以通过Tag页面访问各个标签的图片









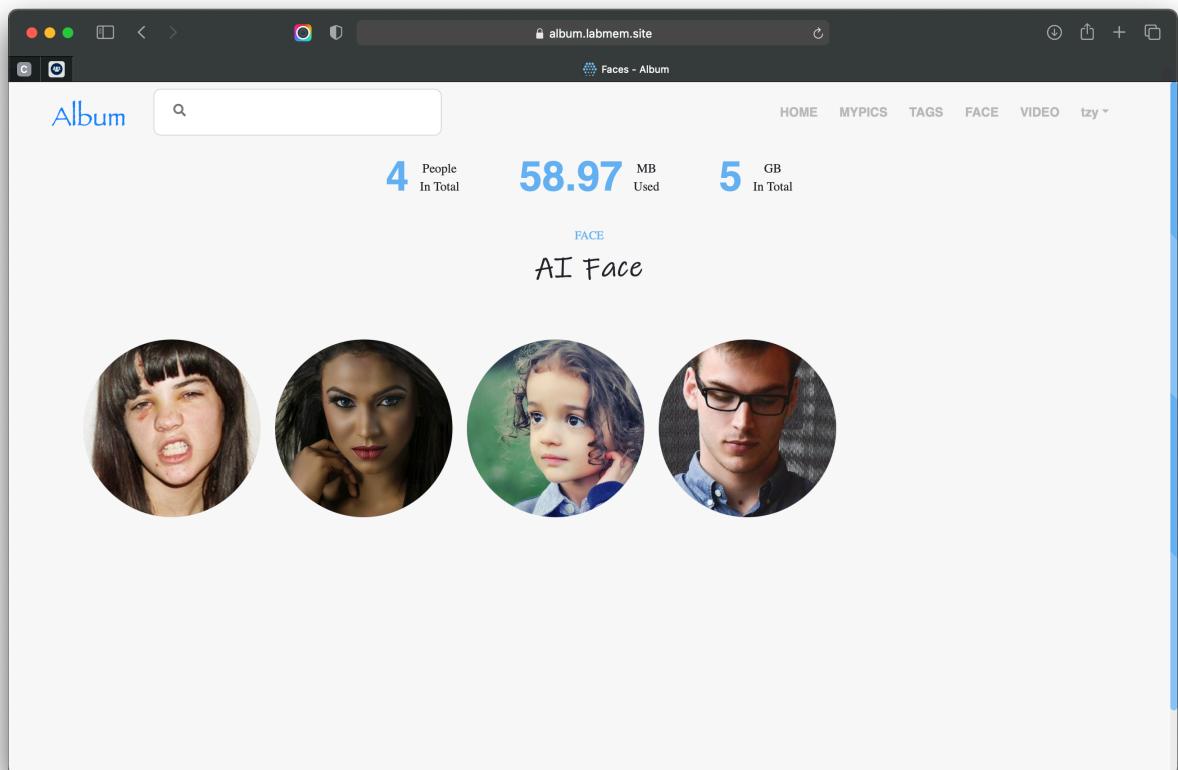
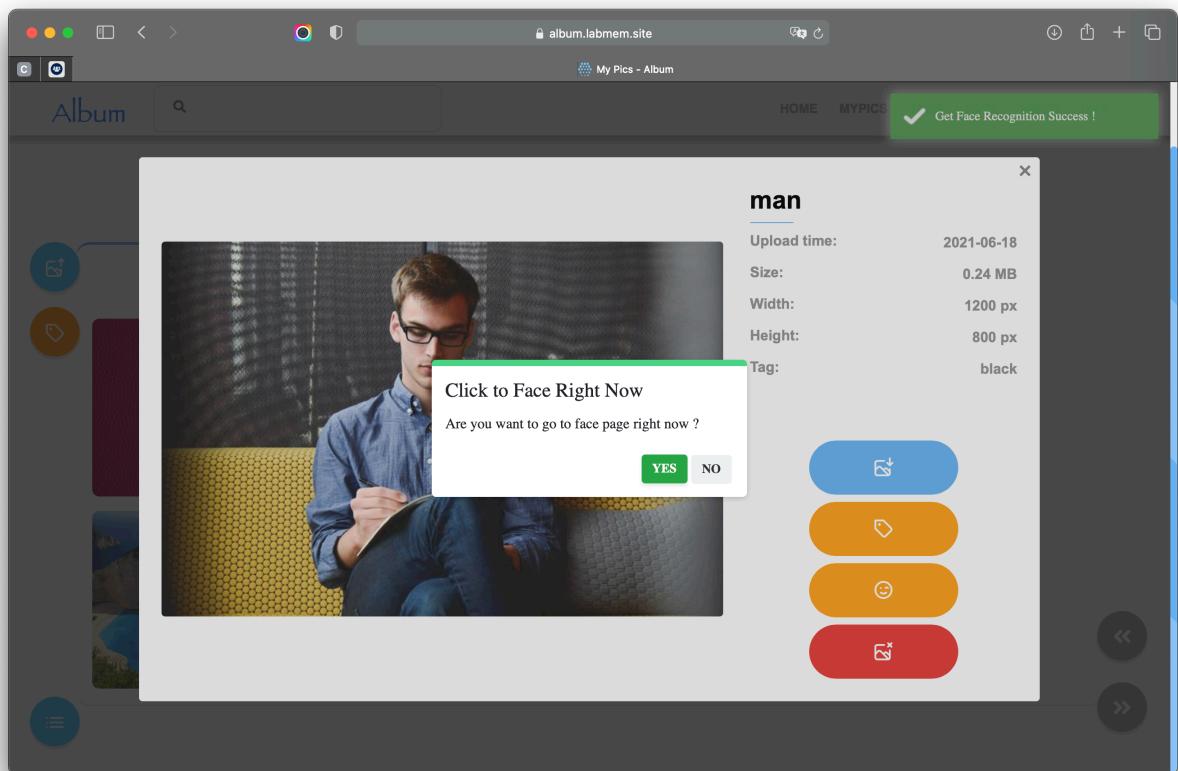
Album

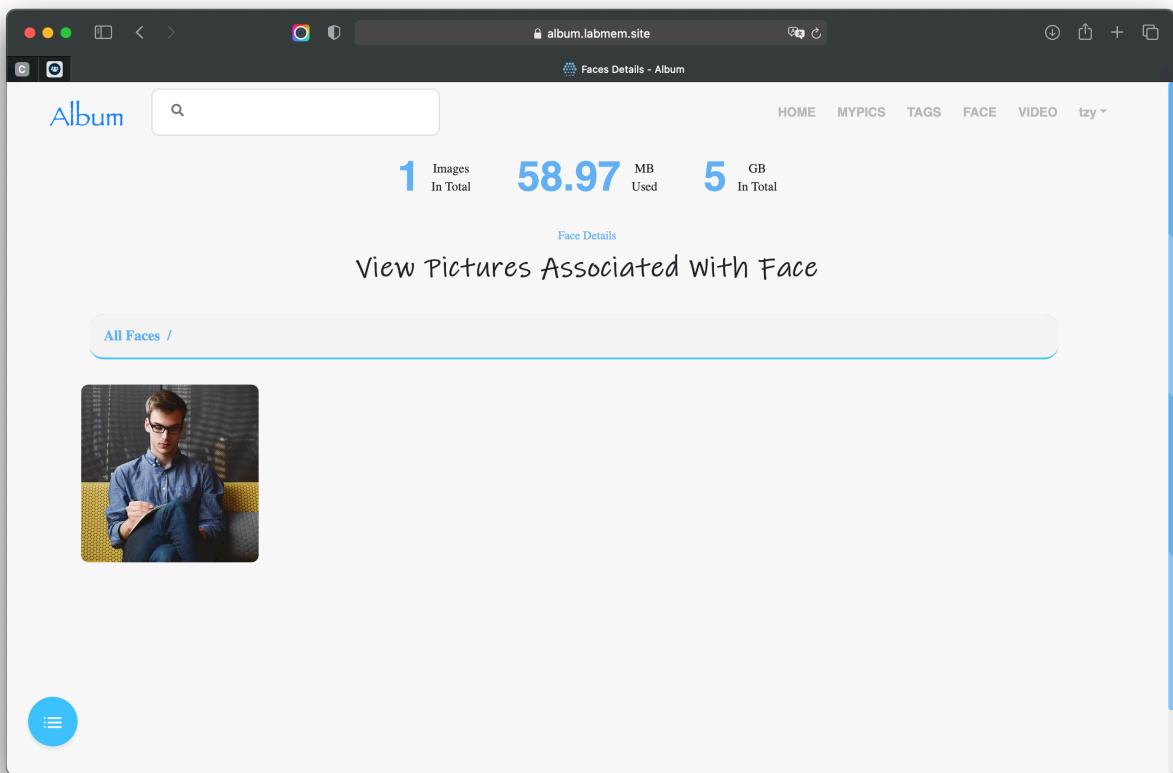
3 Images In Total 58.97 MB Used 5 GB In Total

Bird Images in Your Collection

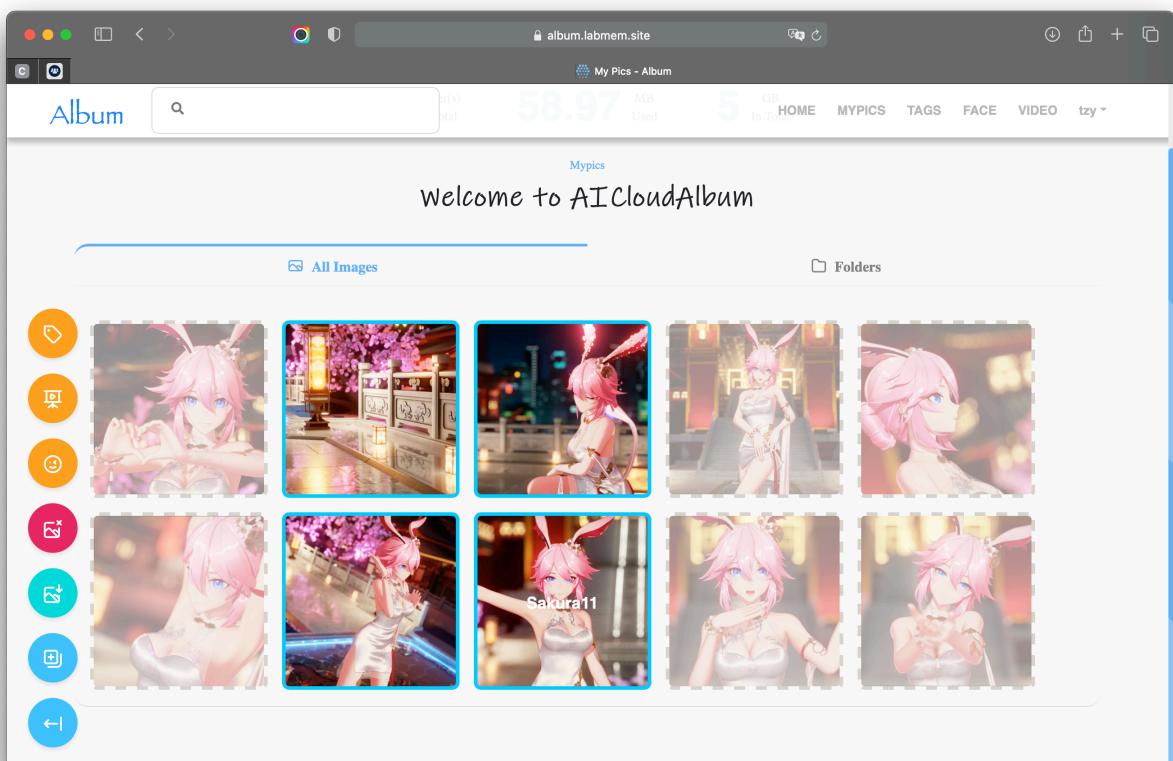
Tags / Bird

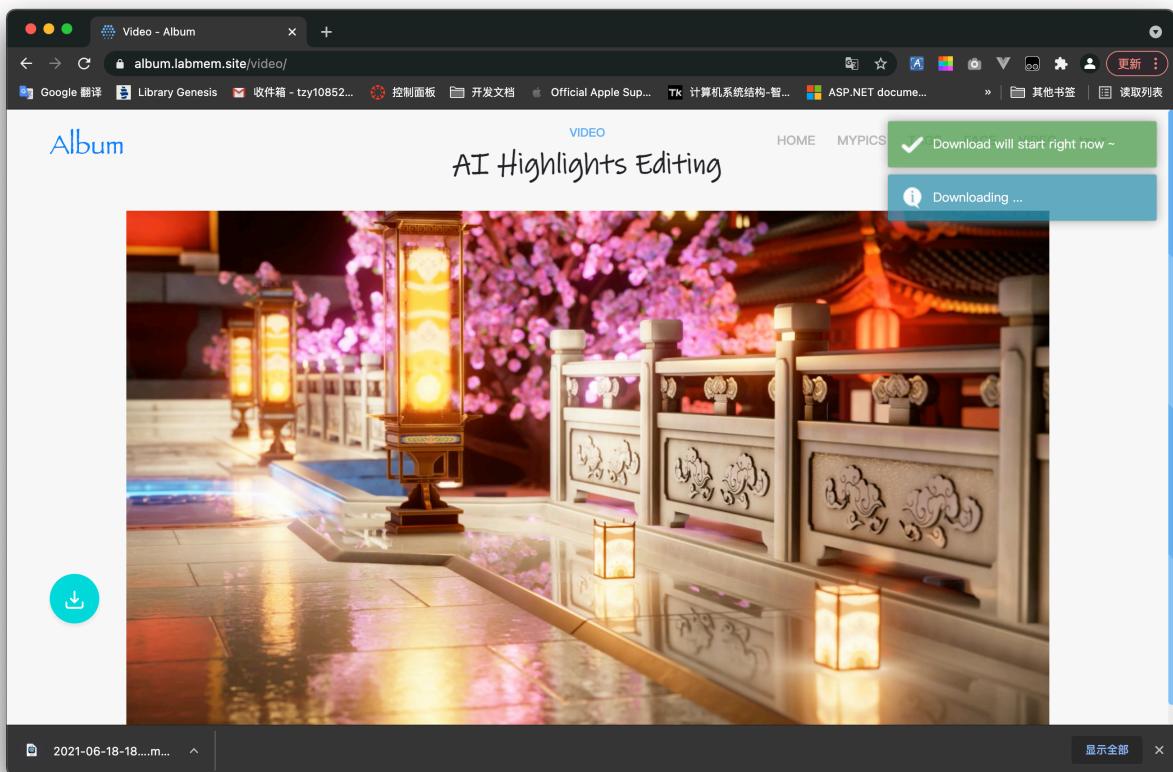
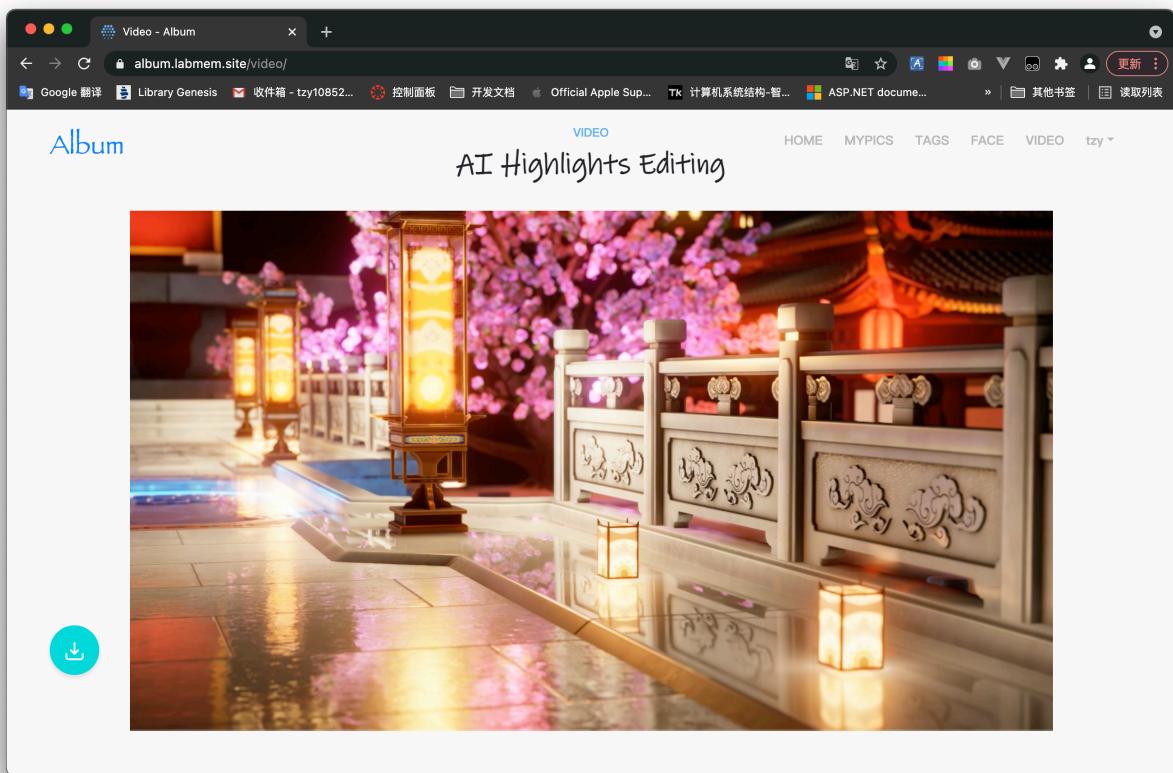
- 人像识别功能，使用人像识别库（`face_recognition`）对用户上传的人像进行识别，查看该图片中是否有人像，并对人像进行提取。用户可以在“所有图片”、“图片相册”内以及图片详情页主动对上传的图片进行人像识别。如用户忘记对上传的图片进行人像识别，后台程序会在用户登出后对所有未进行人像识别的图片进行人像识别。





- 制作精彩时刻短视频，在“所有图片”页和“相册图片”页中选择图片后点击左侧的“视频”按钮，便可制作短视频，支持在线播放，下载MP4。
- 注：为了正常播放短视频，推荐使用Chrome 浏览器。





- 搜索你的相册。导航栏左侧的搜索框，可输入标签或图片名称进行搜索，返回符合条件的图片集。

Album Search / Sakura - Album

HOME MYPICS TAGS FACE VIDEO tzy ▾

10 Images In Total 58.97 MB Used 5 GB In Total

Search For Pictures

Search Results For : [Sakura]

A screenshot of a web-based photo album interface. The title bar shows the URL "album.labmem.site". The main content area displays search results for the term "Sakura". It shows 10 images in total, used 58.97 MB of space, and there are 5 GB in total. A search bar at the top right contains the query "Sakura". Below the search bar, there is a "Search For Pictures" button. The results are presented in a grid of 2 rows by 5 columns. Each image shows a character with pink hair and bunny ears in various poses, set against a night city background.

Album Search / insect - Album

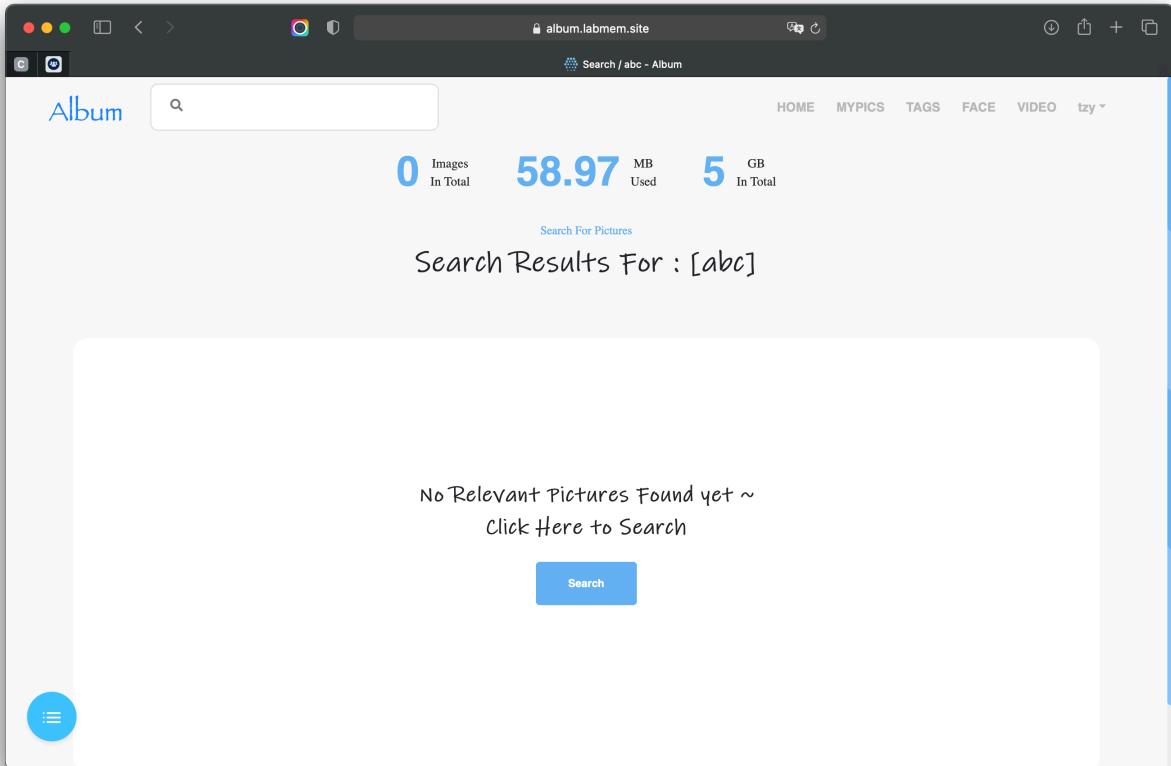
HOME MYPICS TAGS FACE VIDEO tzy ▾

4 Images In Total 58.97 MB Used 5 GB In Total

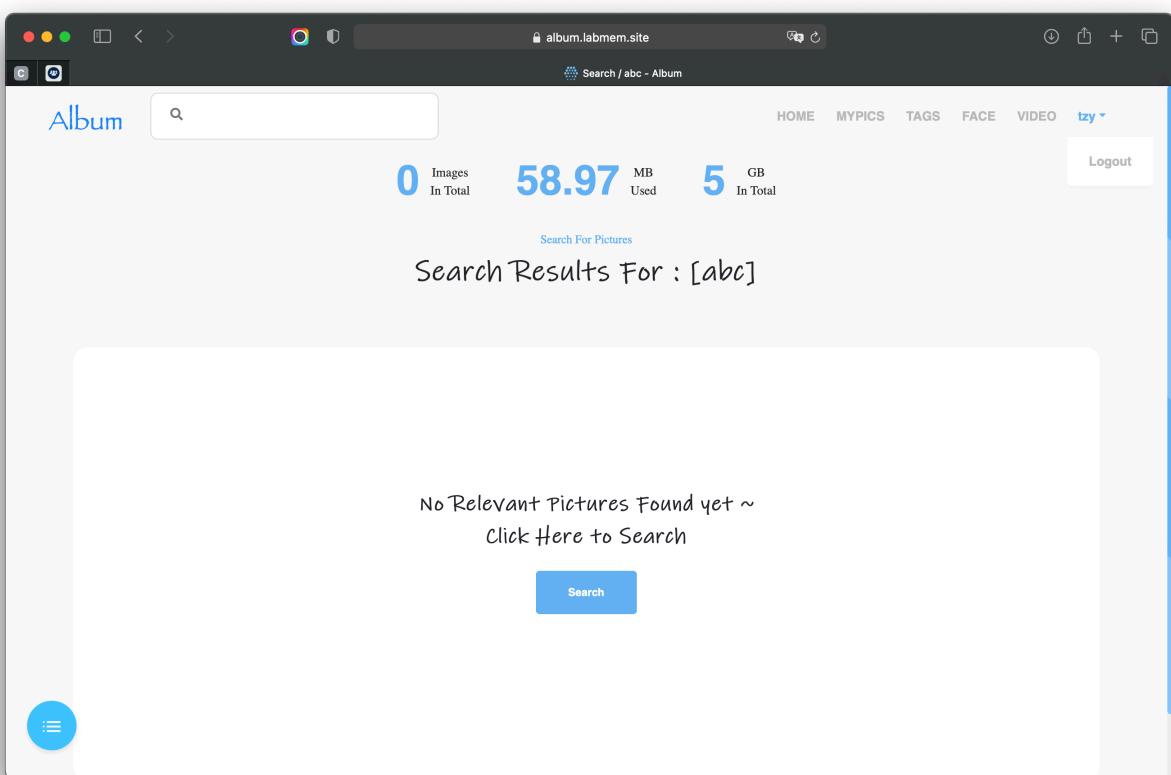
Search For Pictures

Search Results For : [insect]

A screenshot of a web-based photo album interface, similar to the one above. The title bar shows the URL "album.labmem.site". The main content area displays search results for the term "insect". It shows 4 images in total, used 58.97 MB of space, and there are 5 GB in total. A search bar at the top right contains the query "insect". Below the search bar, there is a "Search For Pictures" button. The results are presented in a grid of 1 row by 4 columns. Each image is a close-up of a different insect: a dragonfly on a flower, a butterfly with colorful wings, a blue butterfly on a leaf, and two ladybugs on a stem.



- 注销，用户点击注销按钮后会退出登录。同时系统会检查没有被标签和人像识别的图片对其进行处理。



Code with MVT

Models --数据模型代码

User:

```
1 class User(models.Model):
2     phone = models.CharField(max_length=11, default="",
3                               validators=
4                               [validators.RegexValidator("1[345678]\d{9}|root", message="请输入正确格式的手机号")],
5                               verbose_name="手机号", primary_key=True)
6     name = models.CharField(max_length=200, default='',
7                             validators=[validators.MinLengthValidator(0,
8                             message="用户名不可为空")], verbose_name="昵称")
9
10    pwd = models.CharField(max_length=200, default='',
11                           validators=[validators.MinLengthValidator(0,
12                           message="用户密码不可为空")], verbose_name="密码")
13    fake_id = models.CharField(max_length=200, default="")
14    now_capacity = models.FloatField(default=0)
15    max_capacity = models.FloatField(default=0)

16    def __str__(self):
17        return self.name
```

Face:

```
1 class Face(models.Model):
2     user = models.ForeignKey("User", on_delete=models.CASCADE)
3     face_cover = models.CharField(max_length=200, default=' ')
4     cnt = models.IntegerField(default=0)
5
6     def __str__(self):
7         return self.id
```

Video:

```

1 class Video(models.Model):
2     user = models.ForeignKey("User", on_delete=models.CASCADE)
3     name = models.CharField(max_length=200, default=' ')
4     create_time = models.DateTimeField(auto_now_add=True)
5     time = models.TimeField()
6     description = models.CharField(max_length=1000, default=' ')
7     size = models.FloatField(default=0)
8
9     def __str__(self):
10        return self.name

```

Folder:

```

1 class Folder(models.Model):
2     user = models.ForeignKey("User", on_delete=models.CASCADE)
3     name = models.CharField(max_length=200, default=' ')
4     cnt = models.IntegerField(default=0)
5     total_size = models.FloatField(default=0)
6     fake_name = models.CharField(max_length=200, default="")
7     create_time = models.DateTimeField()
8     modify_time = models.DateTimeField()
9
10    def __str__(self):
11        return self.name

```

Tag:

```

1 class Tag(models.Model):
2     tag = models.CharField(max_length=200, default=' ')
3
4     def __str__(self):
5         return self.tag

```

Picture:

```

1 class Picture(models.Model):
2     user = models.ForeignKey("User", on_delete=models.CASCADE)
3     tag = models.ForeignKey("Tag", on_delete=models.CASCADE)
4     folder = models.ForeignKey("Folder", on_delete=models.CASCADE)
5     name = models.CharField(max_length=200, default=' ')
6     fake_name = models.CharField(max_length=200, default="")
7     type = models.CharField(max_length=200, default=' ')

```

```
8     upload_time = models.DateTimeField(auto_now_add=True)
9     size = models.FloatField(default=0)
10    height = models.IntegerField(default=0)
11    width = models.IntegerField(default=0)
12    is_tag = models.BooleanField(default=False)
13    is_detect_face = models.BooleanField(default=False)
14    is_face = models.BooleanField(default=False)
15
16    def __str__(self):
17        return self.name
```

UserTag:

```
1 class UserTag(models.Model):
2     user = models.ForeignKey("User", on_delete=models.CASCADE)
3     tag = models.ForeignKey("Tag", on_delete=models.CASCADE)
4     cnt = models.IntegerField(default=0)
5
6     class Meta:
7         unique_together = ['user', 'tag']
```

TagCover:

```
1 class TagCover(models.Model):
2     pic = models.ForeignKey("Picture", on_delete=models.CASCADE)
3     tag = models.ForeignKey("Tag", on_delete=models.CASCADE)
4
5     class Meta:
6         unique_together = ['pic', 'tag']
```

FolderCover:

```
1 class FolderCover(models.Model):
2     folder = models.ForeignKey("Folder", on_delete=models.CASCADE)
3     pic = models.ForeignKey("Picture", on_delete=models.CASCADE)
4
5     class Meta:
6         unique_together = ['folder', 'pic']
```

FacePic:

```
1 class FacePic(models.Model):
2     pic = models.ForeignKey("Picture", on_delete=models.CASCADE)
3     face = models.ForeignKey("Face", on_delete=models.CASCADE)
4
5     class Meta:
6         unique_together = ['pic', 'face']
```

Views --主要功能代码

Upload:

- 异步上传图片

```
1 @csrf_exempt
2 def upload_upload_asyn(request, folder_fake_name):
3     if request.session.get("is_login"):
4         mutex_x.acquire()
5         user_phone = request.session.get("phone")
6         all_imgs = request.FILES.get("upload_img", None)
7
8         if all_imgs:
9             now_user = models.User.objects.get(phone=user_phone)
10            img_path = os.path.join(store_dir, all_imgs.name)
11            ALL_folder = models.Folder.objects.get(user_id=now_user.phone,
12 name="ALL")
13            ALL_folder_cover =
14             models.FolderCover.objects.get(folder_id=ALL_folder.pk)
15
16            f = open(img_path, "wb")
17            for chunk in all_imgs.chunks(): # 分块写入
18                f.write(chunk)
19            f.close()
20
21            if now_user.now_capacity + os.path.getsize(img_path) / 1024 /
22 1024 > now_user.max_capacity:
23                os.remove(img_path)
24                mutex_x.release()
25                return JsonResponse(json.dumps({"status": False}))
```



```

66             ALL_folder_cover.save()
67
68             ALL_folder.cnt += 1
69             ALL_folder.total_size += new_img.size
70             ALL_folder.modify_time = datetime.datetime.now()
71             ALL_folder.save()
72
73             now_user.now_capacity = ALL_folder.total_size
74             now_user.save()
75
76             now_img_name = str(new_img.fake_name) + "." + img_type
77             now_img_path = os.path.join(store_dir, now_img_name)
78
79             url = settings.MEDIA_URL + now_img_name
80
81             os.rename(img_path, now_img_path)
82
83             with Image.open(now_img_path) as img:
84                 h, w = img.size[0], img.size[1]
85                 if w >= h:
86                     if w <= threshold:
87                         img.thumbnail((w, h))
88                     else:
89                         img.thumbnail((threshold, h / w * threshold))
90                 else:
91                     if h <= threshold:
92                         img.thumbnail((w, h))
93                     else:
94                         img.thumbnail((w / h * threshold, threshold))
95             compress_img_path = os.path.join(store_compress_dir,
now_img_name)
96             img.save(compress_img_path)
97
98         except: # 数据库加入失败，则不保留上传图片
99             if os.path.exists(img_path):
100                 os.remove(img_path)
101             if os.path.exists(now_img_path):
102                 os.remove(now_img_path)
103             if os.path.exists(compress_img_path):
104                 os.remove(compress_img_path)
105             mutex_x.release()
106             return HttpResponse(json.dumps({"status": False})) #
data.response.status=false 表示当前发生传输错误
107
108             mutex_x.release()
109
110
111             return HttpResponse(json.dumps
112             (

```

```

113             {"status": True})
114         )
115
116     else:
117         return HttpResponse(json.dumps({"status": False}))
118     else:
119         return redirect("/login/")

```

Login:

- 用户登录

```

1 def login(request):
2     global test_count
3     if request.session.get("is_login", None):
4         return redirect("/")
5
6     if request.method == "POST":
7         res = {"loginIn": None, "message": None, "error_type": None}
8         login_form = LoginForm(request.POST)
9
10    if login_form.is_valid():
11        phone = login_form.cleaned_data["phone"]
12        pwd = login_form.cleaned_data["pwd"]
13
14        try:
15            user = models.User.objects.get(phone=phone)
16            if user.pwd == hash_code(pwd) + "-" + pwd:
17                request.session["is_login"] = True
18                request.session["phone"] = user.phone
19                request.session["name"] = user.name
20                request.session.set_expiry(0)
21                res["loginIn"] = "true"
22                res["message"] = "Login Successfully 🌸 ~"
23                return HttpResponse(json.dumps(res))
24            else:
25                res["loginIn"] = "false"
26                res["message"] = "Incorrect Password!"
27                res["error_type"] = "pwd"
28        except:
29            res["loginIn"] = "false"
30            res["message"] = "User does not exist!"
31            res["error_type"] = "phone"
32
33        return HttpResponse(json.dumps(res))
34    login_form = LoginForm()
35    return render(request, "Album/login.html", locals())

```

SignUp:

- 新用户注册

```
1 def signup(request):
2     if request.session.get("is_login", None):
3         return redirect("/")
4
5     if request.method == "POST":
6         res = {"signup": None, "message": None, "error_type": None}
7         signup_form = SignupForm(request.POST)
8         if signup_form.is_valid():
9             phone = signup_form.cleaned_data["phone"]
10            name = signup_form.cleaned_data["name"]
11            pwd = signup_form.cleaned_data["pwd"]
12            re_pwd = signup_form.cleaned_data["re_pwd"]
13
14            is_same_phone = models.User.objects.filter(phone=phone)
15            if is_same_phone:
16                res["signup"] = "false"
17                res["error_type"] = "phone"
18                res["message"] = "Phone number has been registered !"
19                return JsonResponse(json.dumps(res))
20            else:
21                if pwd != re_pwd:
22                    res["signup"] = "false"
23                    res["error_type"] = "re_pwd"
24                    res["message"] = "Two passwords are Inconsistent !"
25                    return JsonResponse(json.dumps(res))
26
27                fake_id = hash_code(str(phone), salt="user")
28
29                new_user = models.User(name=name, phone=phone,
30                                       pwd=hash_code(pwd) + "-" + pwd,
31                                       max_capacity=max_capacity,
32                                       fake_id=fake_id)
33                new_user.save()
34
35                new_ini_folder = models.Folder(name="ALL",
36                                              user_id=new_user.phone,
37                                              cnt=0, total_size=0.0,
38                                              create_time=datetime.datetime.now(),
39                                              modify_time=datetime.datetime.now(),
40                                              )
41                new_ini_folder.save()
```

```

39             new_ini_folder.fake_name =
40     hash_code(str(new_ini_folder.pk), salt="neko_folder")
41             new_ini_folder.save()
42
43             zero_img = models.Picture.objects.get(pk=zeroid)
44
45             new_ini_folder_cover =
46     models.FolderCover(pic_id=zero_img.id, folder_id=new_ini_folder.id)
47             new_ini_folder_cover.save()
48
49             request.session["is_login"] = True
50             request.session["phone"] = new_user.phone
51             request.session["name"] = new_user.name
52             request.session.set_expiry(0)
53
54             res["signup"] = "true"
55             res["message"] = "Signup Successfully 🌸 ~"
56             return JsonResponse(json.dumps(res))
57
58         signup_form = SignupForm()
59         return render(request, "Album/signup.html", locals())

```

Logout:

- 用户登出

```

1 def logout(request):
2     phone = request.session["phone"]
3     thread_getAllTF = threading.Thread(target=getAllTF, args=(phone, True),
4                                         daemon=True)
5     thread_getAllTF.start()
6     print("Start get Tag/Face")
7     request.session.flush()
8     return redirect("/")

```

Mypics:

- 跳转到图片主页

```

1 def mypics_folder(request):
2     if request.session.get("is_login"):
3         name = request.session['name']
4         phone = request.session['phone']
5         all_tag = models.Tag.objects.all()
6         user = models.User.objects.get(phone=phone)

```

```

7     folders =
8     models.Folder.objects.filter(user_id=user.phone).exclude(name="ALL")
9     ALL_folder = models.Folder.objects.get(user_id=user.phone,
10    name="ALL")
11    ALL_folderimgs = models.Picture.objects.filter(user_id=user.phone)
12    Folders = []
13    ALL_imgs = []
14    cnt = 1
15    for p in folders:
16        foldercover = models.FolderCover.objects.get(folder_id=p.id)
17        cover_img = models.Picture.objects.get(pk=foldercover.pic_id)
18
19        p.href = "/mypics/" + p.fake_name + "/"
20        p.size = format(p.total_size, '.2f')
21        p.path = os.path.join('/upload_imgs/compress_imgs/',
22        cover_img.fake_name + '.' + cover_img.type)
23        p.id = cnt
24        Folders.append(p)
25        cnt += 1
26        if cnt > page_num_folder:
27            break
28
29    cnt = 1
30    for img in ALL_folderimgs:
31        img.size = format(img.size, '.2f')
32        img.path = os.path.join('/upload_imgs/compress_imgs/',
33        img.fake_name + '.' + img.type)
34        img.id = cnt
35        img.upload_time = img.upload_time.strftime('%Y-%m-%d')
36        img.nowtag = all_tag.get(id=img.tag_id).tag
37        ALL_imgs.append(img)
38        cnt += 1
39        if cnt > page_num_img:
40            break
41
42    count = folders.count()
43    capacity_now = format(user.now_capacity, '.2f')
44    ALL_folderfakename = ALL_folder.fake_name
45    if not ALL_imgs:
46        ALL_imgs = None
47    if not Folders:
48        Folders = None
49
50    return render(request, "Album/mypics.html", locals())
51 else:
52     return redirect("/login/")

```

Video:

- 跳转到精彩时刻短视频页面

```
1 def video(request):
2     if request.session.get("is_login"):
3         name = request.session['name']
4         phone = request.session['phone']
5         user = models.User.objects.get(phone=phone)
6         fake_id = user.fake_id
7         video_src = None
8         video_name = None
9         for now_video_name in os.listdir(video_dir):
10             if fake_id in now_video_name and
now_video_name.endswith(".mp4"):
11                 video_src = now_video_name
12                 video_name = now_video_name.rsplit("-", 1)[0] + " Eye-
catching Video"
13             break
14         return render(request, "Album/video.html", locals())
15     return redirect("/login/")
```

Search:

```
1 def search(request):
2     if request.session.get("is_login"):
3         phone = request.session["phone"]
4         try:
5             user = models.User.objects.get(phone=phone)
6         except:
7             request.session.flush()
8             return redirect("/login/")
9
10        all_tag = models.Tag.objects.all()
11        ALL_search = []
12        try:
13            search_content = request.GET["content"]
14            if search_content:
15                search_pics_byname =
models.Picture.objects.filter(user_id=user.phone,
name__contains=search_content)
16                all_search_imgs = search_pics_byname
17                search_bytag = all_tag.filter(tag__contains=search_content)
18                if search_bytag:
19                    for now_tag in search_bytag:
```

```

20             search_pics_bytag =
21     models.Picture.objects.filter(user_id=user.phone, tag_id=now_tag.id)
22             all_search_imgs =
23     all_search_imgs.union(search_pics_bytag)
24             if all_search_imgs:
25                 for index, now_img in enumerate(all_search_imgs):
26                     if index >= page_num_img:
27                         break
28                     now_img.size = format(now_img.size, '.2f')
29                     now_img.path =
30             os.path.join('/upload_imgs/compress_imgs/',
31                                     now_img.fake_name + '.'
32                                     + now_img.type)
33                     now_img.id = index + 1
34                     now_img.upload_time =
35             now_img.upload_time.strftime('%Y-%m-%d')
36                     now_img.nowtag = all_tag.get(id=now_img.tag_id).tag
37                     ALL_search.append(now_img)
38             except:
39                 pass
40             if not all_search_imgs:
41                 count = 0
42             else:
43                 count = len(all_search_imgs)
44             capacity_now = format(user.now_capacity, '.2f')
45             if not ALL_search:
46                 ALL_search = None
47
48             return render(request, "Album/search.html", locals())
49         return redirect("/login/")

```

Tags:

- 跳转到智能标签主页

```

1 def tags(request):
2     if request.session.get("is_login"):
3         name = request.session['name']
4         phone = request.session['phone']
5         user = models.User.objects.get(phone=phone)
6         all_tag = models.Tag.objects.all()
7         pic = models.Picture.objects.filter(user_id=phone)
8         ALL_tag_message = []
9         Tags = []
10        path = os.path.join(os.path.dirname(__file__),
11                             "static/txt/tags.txt")
12        f0 = open(path, 'r')

```

```

12     while True:
13         str1 = f0.readline()
14         if not str1:
15             break
16         Tags.append(str1[:-1])
17     for tag in Tags:
18         pic_tag_id = all_tag.get(tag=tag).id
19         tag_message = {}
20         tag_message["img_path"] = os.path.join('/static/image/tags/',
21         tag + ".jpg")
22         tag_message["href"] = "/tags/" + tag + "/"
23         tag_message["tag_name_h"] = tag.upper()
24         tag_message["tag_name_t"] = tag.title()
25         ALL_tag_message.append(tag_message)
26
27     return render(request, "Album/tags.html", locals())
28 else:
29     return redirect("/login/")

```

Tags-Pics:

- 标签图片相册

```

1 def tags_pics(request, tag):
2     if request.session.get("is_login"):
3         tag_t = tag.title()
4         name = request.session['name']
5         phone = request.session['phone']
6         all_tag = models.Tag.objects.all()
7         user = models.User.objects.get(phone=phone)
8         tag_id = models.Tag.objects.get(tag=tag).id
9         pics = models.Picture.objects.filter(user_id=phone, tag=tag_id)
10
11     cnt = 1
12     Pics = []
13     for p in pics:
14         p.size = format(p.size, '.2f')
15         p.path = os.path.join('/upload_imgs/compress_imgs/',
p.fake_name + '.' + p.type)
16         p.id = cnt
17         p.upload_time = p.upload_time.strftime('%Y-%m-%d')
18         p.nowtag = all_tag.get(id=p.tag_id).tag
19         cnt += 1
20         Pics.append(p)
21         if cnt > page_num_img:
22             break
23     count = pics.count()

```

```

24     is_null = False
25     if count == 0:
26         is_null = True
27     capacity_now = format(user.now_capacity, '.2f')
28     return render(request, "Album/mypic_tag.html", locals())
29
30 else:
31     return redirect("/login/")
32

```

Download:

- 下载图片

```

1 def download(request):
2     if request.session.get("is_login"):
3         if request.method == "POST":
4             fake_name = request.POST["img_name"]
5             try:
6                 now_pic = models.Picture.objects.get(fake_name=fake_name)
7                 path = os.path.join(store_dir, now_pic.fake_name + "." +
now_pic.type)
8                 with open(path, "rb") as f:
9                     img = f.read()
10                img_name = now_pic.name + "." + now_pic.type
11                response = HttpResponse(img)
12                response[ "Content-Type" ] = "application/octet-stream"
13                response[ "Content-Disposition" ] = "attachment;filename=
{}".format(escape_uri_path(img_name))
14                response[ "download_status" ] = "true"
15                return response
16            except:
17                response = HttpResponse()
18                response[ "download_status" ] = "false"
19                return response
20            return render(request, "Album/mypics.html", locals())
21        return redirect("/login/")

```

Delete Images:

- 删除图片

```

1 def delete_img(request, folder_fake_name):
2     if request.session.get("is_login"):
3         if request.method == "POST":

```

```

4         phone = request.session[ "phone" ]
5
6         fake_name = request.POST[ "img_name" ]
7
8         res = { "delete_status": None }
9
10        now_user = models.User.objects.get(phone=phone)
11        now_pic = models.Picture.objects.get(fake_name=fake_name)
12        ALL_folder = models.Folder.objects.get(user_id=now_user.phone,
13 name="ALL" )
13        ALL_foldercover =
14             models.FolderCover.objects.get(folder_id=ALL_folder.id)
14        pic_folder = models.Folder.objects.get(user_id=now_user.phone,
15 pk=now_pic.folder_id)
15        pic_foldercover =
16             models.FolderCover.objects.get(folder_id=pic_folder.pk)
16        zero_pic = models.Picture.objects.get(id=zero_id) # 管理员账号上
17 传第一张图片, 作为封面为空的时候的封面图片
18
18     try:
19         if pic_folder.pk == ALL_folder.pk: # 只属于ALL_Folder里面的
19 图片
20         flag = False
21         if now_pic.id == pic_foldercover.pic_id:
22             pic_foldercover.pic_id = zero_pic.id
23             pic_foldercover.save()
24         flag = True
25
26         pic_folder.cnt -= 1
27         pic_folder.total_size -= now_pic.size
28         pic_folder.save()
29
30         now_user.now_capacity = pic_folder.total_size
31         now_user.save()
32
33         path = os.path.join(store_dir, now_pic.fake_name + "."
34 + now_pic.type)
34         compress_path = os.path.join(store_compress_dir,
35 now_pic.fake_name + "." + now_pic.type)
36
36         facepic =
37             models.FacePic.objects.filter(pic_id=now_pic.id)
38         if facepic:
39             for now_facepic in facepic:
40                 now_face =
41                     models.Face.objects.filter(id=now_facepic.face_id)
42                 if now_face:
42                     now_face[0].cnt -= 1
42                     now_face[0].save()

```

```
43                     now_facepic.delete()
44
45             now_pic.delete()
46             os.remove(path)
47             os.remove(compress_path)
48             if (flag):
49                 try:
50                     now_user_max_allimg_id =
51             models.Picture.objects.filter(user_id=now_user.phone).values(
52                             "id").aggregate(Max("id"))
53             if (now_user_max_allimg_id):
54                 pic_foldercover.pic_id =
55                     now_user_max_allimg_id["id__max"]
56                     pic_foldercover.save()
57             except:
58                 pass
59             else: # 其他文件夹里的图片
60                 flag_all = False
61                 flag_other = False
62
63                 if now_pic.id == pic_foldercover.pic_id:
64                     pic_foldercover.pic_id = zero_pic.id
65                     pic_foldercover.save()
66                     flag_other = True
67                 if now_pic.id == ALL_foldercover.pic_id:
68                     ALL_foldercover.pic_id = zero_pic.id
69                     ALL_foldercover.save()
70                     flag_all = True
71
72                     pic_folder.cnt -= 1
73                     pic_folder.total_size -= now_pic.size
74                     pic_folder.save()
75
76                     ALL_folder.cnt -= 1
77                     ALL_folder.total_size -= now_pic.size
78                     ALL_folder.save()
79
80                     now_user.now_capacity = ALL_folder.total_size
81                     now_user.save()
82
83                     path = os.path.join(store_dir, now_pic.fake_name + "."
84             + now_pic.type)
85                     compress_path = os.path.join(store_compress_dir,
86             now_pic.fake_name + "." + now_pic.type)
87
88                     facepic =
89             models.FacePic.objects.filter(pic_id=now_pic.id)
90             if facepic:
91                 for now_facepic in facepic:
```

```

87             now_face =
88             models.Face.objects.filter(id=now_facepic.face_id)
89             if now_face:
90                 now_face[0].cnt -= 1
91                 now_face[0].save()
92                 now_facepic.delete()
93
94             now_pic.delete()
95             os.remove(path)
96             os.remove(compress_path)
97
98             if (flag_all):
99                 try:
100                     now_user_max_allimg_id =
101                     models.Picture.objects.filter(user_id=now_user.phone).values(
102                         "id").aggregate(Max("id"))
103                     if (now_user_max_allimg_id):
104                         ALL_foldercover.pic_id =
105                         now_user_max_allimg_id["id__max"]
106                         ALL_foldercover.save()
107                     except:
108                         pass
109
110             if (flag_other):
111                 try:
112                     now_user_max_img_id =
113                     models.Picture.objects.filter(user_id=now_user.phone,
114                         folder_id=pic_folder.id).values(
115                             "id").aggregate(Max("id"))
116                     if (now_user_max_img_id):
117                         pic_foldercover.pic_id =
118                         now_user_max_img_id["id__max"]
119                         pic_foldercover.save()
120                     except:
121                         pass
122
123             res[ "delete_status" ] = "true"
124         except:
125             res[ "delete_status" ] = "false"
126         response = HttpResponse(json.dumps(res))
127         return response
128     return mypics_pics(request, folder_fake_name)
129
130     return redirect("/login/")

```

Delete Folders:

- 删除文件夹

```
1  def delete_folder(request):
2      if request.session.get("is_login"):
3          if request.method == "POST":
4
5              phone = request.session[ "phone" ]
6
7              fake_name = request.POST[ "folder_name" ]
8
9              res = { "delete_status": None}
10
11             now_user = models.User.objects.get(phone=phone)
12             now_choose_folder =
13             models.Folder.objects.get(user_id=now_user.phone, fake_name=fake_name)
14             ALL_folder = models.Folder.objects.get(user_id=now_user.phone,
15             name="ALL" )
16             ALL_foldercover =
17             models.FolderCover.objects.get(folder_id=ALL_folder.id)
18             zero_pic = models.Picture.objects.get(id=zeroid) # 管理员账号上传第一张图片，作为封面为空的时候的封面图片
19
20
21             if now_choose_folder.id == ALL_folder.id: # “ALL文件夹”无法删除
22                 return HttpResponse()
23
24
25             models.FolderCover.objects.get(folder_id=now_choose_folder.id).delete()
26             now_imgs =
27             models.Picture.objects.filter(folder_id=now_choose_folder.id)
28
29             ALL_folder.total_size -= now_choose_folder.total_size
30             ALL_folder.cnt -= now_choose_folder.cnt
31             ALL_folder.modify_time = datetime.datetime.now()
32             ALL_folder.save()
33
34             now_user.now_capacity = ALL_folder.total_size
35             now_user.save()
36
37             for img in now_imgs:
38                 path = os.path.join(store_dir, img.fake_name + "." +
39                 img.type)
40                 compress_path = os.path.join(store_compress_dir,
41                 img.fake_name + "." + img.type)
42
43                 facepic = models.FacePic.objects.filter(pic_id=img.id)
44                 if facepic:
45                     for now_facepic in facepic:
```

```

38                     now_face =
models.Face.objects.filter(id=now_facepic.face_id)
39                     if now_face:
40                         now_face[0].cnt -= 1
41                         now_face[0].save()
42                         now_facepic.delete()
43
44                     img.delete()
45                     try:
46                         os.remove(path)
47                         os.remove(compress_path)
48
49                     except:
50                         pass
51
52                     now_user_max_allimg_id = models.Picture.objects.filter(
53                         user_id=now_user.phone).values(
54                             "id").aggregate(Max("id"))
55                     if (now_user_max_allimg_id["id__max"]):
56                         ALL_foldercover.pic_id = now_user_max_allimg_id["id__max"]
57                         ALL_foldercover.save()
58                     else:
59                         ALL_foldercover.pic_id = zero_pic.id
60                         ALL_foldercover.save()
61
62                     res["delete_status"] = "true"
63                     response = HttpResponseRedirect(json.dumps(res))
64                     return response
65             return render(request, "Album/mypics.html", locals())
66         return redirect("/login/")

```

Add Folder:

- 添加文件夹

```

1 def add_folder(request):
2     if request.session.get("is_login"):
3         if request.method == "POST":
4
5             phone = request.session["phone"]
6             folder_name = request.POST["folder_name"]
7
8             res = {"add_status": None, "is_same_name": None}
9
10            now_user = models.User.objects.get(phone=phone)
11            zero_pic = models.Picture.objects.get(id=zeroid) # 管理员账号上
12            传第一张图片，作为封面为空的时候的封面图片

```

```

13         is_same_foldername =
models.Folder.objects.filter(user_id=now_user.phone, name=folder_name)
14
15         if is_same_foldername:
16             res["add_status"] = "false"
17             res["is_same_name"] = "true"
18
19     else:
20         try:
21
22             new_folder = models.Folder(name=folder_name,
user_id=now_user.phone,
23                                         cnt=0, total_size=0.0,
24
25             create_time=datetime.datetime.now(),
26
27             modify_time=datetime.datetime.now(),
28
29             )
30
31             new_folder.save()
32             new_folder.fake_name = hash_code(str(new_folder.pk),
salt="neko_folder")
33             new_folder.save()
34
35             new_foldercover =
36             models.FolderCover(folder_id=new_folder.id, pic_id=zero_pic.id)
37             new_foldercover.save()
38
39             res["add_status"] = "true"
40             res["is_same_name"] = "false"
41
42         except:
43             res["add_status"] = "false"
44             res["is_same_name"] = "false"
45
46             response = HttpResponse(json.dumps(res))
47             return response
48         return render(request, "Album/mypics.html", locals())
49     return redirect("/login/")

```

Modify Folder:

- 修改文件夹名称

```

1 def modify_folder(request, now_folder_name):
2     if request.session.get("is_login"):
3         if request.method == "POST":
4
5             phone = request.session["phone"]
6             modify_folder_name = request.POST["input_folder_name"]
7

```

```

8             res = {"mod_status": None, "is_same_name": None}
9
10            now_user = models.User.objects.get(phone=phone)
11            now_folder = models.Folder.objects.get(user_id=phone,
12 name=now_folder_name)
13            is_same_foldername =
14 models.Folder.objects.filter(user_id=now_user.phone,
15 name=modify_folder_name)
16
17
18        if is_same_foldername:
19            res["mod_status"] = "false"
20            res["is_same_name"] = "true"
21
22        else:
23            try:
24
25                now_folder.name = modify_folder_name
26                now_folder.modify_time = datetime.datetime.now()
27                now_folder.save()
28
29                res["mod_status"] = "true"
30                res["is_same_name"] = "false"
31            except:
32                res["mod_status"] = "false"
33                res["is_same_name"] = "false"
34
35
36            response = HttpResponseRedirect(json.dumps(res))
37            return response
38        return render(request, "Album/mypics.html", locals())
39    return redirect("/login/")

```

Face Main Page:

- 人像主页

```

1 def faceMainPage(request):
2     if request.session.get("is_login"):
3         name = request.session['name']
4         phone = request.session['phone']
5         user = models.User.objects.get(phone=phone)
6         faces = models.Face.objects.filter(user_id=user.phone)
7
8         Faces = []
9         cnt = 1
10        valid_cnt = 0
11        for f in faces:
12            if f.cnt > 0:

```

```

13         valid_cnt += 1
14         if cnt <= page_num_face:
15             now_cover_fakename = f.face_cover.split(".")[0]
16             now_cover_type = f.face_cover.split(".")[1]
17             f.href = "/face/" + now_cover_fakename + "-" +
now_cover_type + "/"
18             f.cover_path = "/upload_imgs/ExistingFace/" +
user.phone + "/" + f.face_cover
19             f.id = cnt
20             f.fake_name = now_cover_fakename
21             Faces.append(f)
22             cnt += 1
23
24         count = valid_cnt
25         capacity_now = format(user.now_capacity, '.2f')
26         if not Faces:
27             Faces = None
28
29         return render(request, "Album/face.html", locals())
30     else:
31         return redirect("/login/")

```

Face Detail Page:

- 人像详情页

```

1 def faceDetailPage(request, face_cover_fake_name):
2     if request.session.get("is_login"):
3         name = request.session['name']
4         phone = request.session['phone']
5         user = models.User.objects.get(phone=phone)
6
7         FaceDetails = []
8         cnt = 1
9         total_cnt = 0
10        all_tag = models.Tag.objects.all()
11        face_cover_fake_name_list = face_cover_fake_name.rsplit("-", 1)
12        now_Face = models.Face.objects.filter(user_id=user.phone,
13
face_cover=face_cover_fake_name_list[0] + "." + face_cover_fake_name_list[
14
1])
15        if now_Face:
16            now_FacePic =
models.FacePic.objects.filter(face_id=now_Face[0].id)
17            if now_FacePic:
18                for facepic in now_FacePic:
19                    if cnt <= page_num_img:
20                        now_img =
models.Picture.objects.get(user_id=user.phone, id=facepic.pic_id)

```

```
1         now_img.size = format(now_img.size, '.2f')
2         now_img.path =
3 os.path.join('/upload_imgs/compress_imgs/',
4                         now_img.fake_name + '.'
5 + now_img.type)
6
7         now_img.id = cnt
8         now_img.nowtag = all_tag.get(id=now_img.tag_id).tag
9         FaceDetails.append(now_img)
10        total_cnt += 1
11
12    else:
13        total_cnt += 1
14
15
16    cnt += 1
17
18
19    count = total_cnt
20    capacity_now = format(user.now_capacity, '.2f')
21    face_cover_fake_name = face_cover_fake_name
22
23 else:
24     return redirect("/face/")
25
26
27 return render(request, "Album/face_detail.html", locals())
28
29
30
31
32
33
34
35
36
37
38
39
40
41 else:
42     return error_404(request, "404")
43
44 else:
45     return redirect("/login/")
```

Get Face Detect:

- 智能识别人像

```

18         else:
19             try:
20                 pic_path = os.path.join(store_dir,
21 now_imgs_fakename) + "." + pic.type
22                 isFace, face_locations, recognized_faces,
23                 saved_face_img_name = FaceRecogPrepared(pic_path,
24
25                         nowUser.phone)
26
27             if isFace:
28                 res["isnotFace"] = "false"
29                 if recognized_faces:
30                     index = 0
31                     already_add = set()
32                     for now_recognized_face in
33             recognized_faces:
34                         if now_recognized_face == "Not
35             matched":
36                         newFace =
37                         models.Face(face_cover=saved_face_img_name[index],
38                                         cnt=1,
39                                         user_id=nowUser.phone)
40                         newFace.save()
41                         newFacePic =
42                         models.FacePic(face_id=newFace.id, pic_id=pic.id)
43                         newFacePic.save()
44             else:
45                 if now_recognized_face in
46             already_add:
47                         continue # 同一张图片同一个人脸一
48             次只加一次
49             else:
50
51             already_add.add(now_recognized_face)
52             nowFace =
53             models.Face.objects.get(face_cover=now_recognized_face,
54
55             user_id=nowUser.phone)
56             nowFace.cnt += 1
57             nowFace.save()
58             newFacePic =
59             models.FacePic(face_id=nowFace.id, pic_id=pic.id)
60             newFacePic.save()
61
62             index += 1
63             pic.is_face = 1
64             pic.save()
65             res["faceRec_status"] = "true"
66             else:

```

```
53             res[ "isnotFace" ] = "true"
54             res[ "faceRec_status" ] = "false"
55             pic.is_detect_face = 1
56             pic.save( )
57         except:
58             res[ "faceRec_status" ] = "false"
59
60         return HttpResponse(json.dumps(res))
61
62     return render(request, "Album/mypics.html", locals())
63
64     return redirect("/login/")
```

Get Video:

- 制作精彩时刻短视频

```
28     return render(request, "Album/mypics.html", locals())
29     return redirect("/login/")
```

Download Video:

- 下载视频

```
1 def downloadVideo(request):
2     if request.session.get("is_login"):
3         if request.method == "POST":
4             phone = request.session["phone"]
5             nowUser = models.User.objects.get(phone=phone)
6             video_name = request.POST["video_name"]
7             video_name = video_name.split(" ")[0] + "-" + nowUser.fake_id
8             try:
9                 video_path = os.path.join(video_dir, video_name + ".mp4")
10                with open(video_path, "rb") as f:
11                    video = f.read()
12                    response = HttpResponse(video)
13                    response["Content-Type"] = "application/octet-stream"
14                    response["Content-Disposition"] = "attachment;filename={}".
format(escape_uri_path(video_name + ".mp4"))
15                    response["download_status"] = "true"
16                    return response
17             except:
18                 response = HttpResponse()
19                 response["download_status"] = "false"
20                 return response
21             return render(request, "Album/video.html", locals())
22         return redirect("/login/")
```

Templates --模版代码

Welcome:

- 欢迎页

```
1  {% extends "Album/navbar_welcome.html" %} 
2
3  {% block title %}
4      <title>Welcome - Album</title>
5  {% endblock %}
6
7  {% block css %}
8      {% load static %}
```

```

9      <link rel="stylesheet" href="{% static "css/welcome/styles.css" %}">
10     <link rel="stylesheet" href="{% static "css/preload/main.css" %}">
11 {%- endblock %}
12
13 {% block main %}
14
15     <!-- Loader -->
16     <div id="loader-wrapper">
17         <div id="loader"></div>
18     </div>
19
20     <div id="mousemove" style="position:fixed;top:0;z-index:0;"></div>
21
22     <!-- Header -->
23     <header id="header" class="header" id="beta">
24         <div class="header-content">
25             <div class="container">
26                 <div class="row">
27                     <div class="col-lg-12">
28                         <div class="text-container">
29                             <h1><span id="js-rotating">INTELLIGENT, SWIFT,
CONVENIENT</span> ALBUM</h1>
30                             <p class="p-heading p-large">Album is an
intelligent album specializing in photo
31                                         classification
32                                         powered by Neutral Network </p>
33             {% ifequal request.session.is_login None %}
34                 <a class="btn-solid-lg page-scroll"
35 href="/login/" style="font-size: medium">LOGIN</a>
36             {% endifequal %}
37
38             {% ifequal request.session.is_login True %}
39                 <a class="btn-solid-lg page-scroll"
39 href="/mypics/" style="font-size: medium">Discover</a>
40             {% endifequal %}
41         </div> <!-- end of col -->
42     </div> <!-- end of row -->
43     </div> <!-- end of container -->
44     </div> <!-- end of header-content -->
45     </div>
46     </header> <!-- end of header -->
47     <!-- end of header -->
48 {%- endblock %}
49
50 {% block js %}
51     <script src="{% static "js/preload/main.js" %}"></script>
52     <script src="{% static "js/changebackground.js" %}"></script>

```

```
54     <script src="{% static "js/mousemove.js" %}"></script>
55     <script src="{% static "js/welcome/morphext.min.js" %}"></script>
56 {% endblock %}
```

Video:

- 短视频播放页

```

36                               class="progress-bar bg-success progress-bar-
37                                   striped progress-bar-animated"
38                                       role="progressbar"
39                                       aria-valuenow="0.1" aria-valuemin="0.1" aria-
40                                       value="100"
41                                           style="width: 0.1%;">0.1%
42                               </div>
43                           </div>
44                       </div>
45                   </div>
46
47             <!-- Projects -->
48             <div id="projects" class="filter" style="padding-top: 1rem;padding-
49             bottom: 1rem">
50                 <div class="container" style="padding: 0;">
51                     <div class="row">
52                         <div class="col-lg-12" style="padding: 0; height: 6rem;">
53                             <div class="section-title" style="font-family: 'MV
54                             Boli'>VIDEO</div>
55                             <h2 style="font-family: 'Ink Free';">AI Highlights
56                             Editing</h2>
57                         </div> <!-- end of col -->
58                     </div> <!-- end of row -->
59
60                     <div class="row">
61                         <div class="col-lg-12">
62                             {% ifequal video_src None %}
63                                 <div class="none_pics mx-auto">
64                                     <h4>No Video yet ~</h4>
65                                     <h4>Click Here to Generate</h4>
66                                     <a href="/mypics/" type="button" class="btn-solid-
67                                     lg small blue" title="Mypics">
68                                         Mypics
69                                     </a>
70                                 </div>
71                             {% endifequal %}
72                             {% ifnotequal video_src None %}
73                                 <input id="video_src" type="hidden" style="display:
74                                 none;" value="{{ video_src }}">
75                                 <input id="video_name" type="hidden" style="display:
76                                 none;" value="{{ video_name }}">
77                                 <div id="mui-player" class="mx-auto"></div>
78                             {% endifnotequal %}
79                         <!-- end of filter -->
80                     </div> <!-- end of col -->
81                 </div> <!-- end of row -->
82             </div> <!-- end of container -->

```

```

77     </div> <!-- end of filter -->
78     <!-- end of projects -->
79
80     {% ifnotequal video_src None %}
81         <form id="downloadVideoForm">
82             {% csrf_token %}
83             <input value="{{ video_name }}" type="hidden" style="display:
84             none;" name="video_name">
85         </form>
86         <div class="container folder_func1 popbtn">
87             <div class="float-btn-group" style="bottom: 7rem;left:3rem;">
88                 <button id="video_download" class="btn-float green"
89                 type="button" title="Download Video">
90                     <i class="uil uil-import"></i>
91                 </button>
92             </div>
93         </div>
94     {% endifnotequal %}
95
96
97     {% block js %}
98         <script src="{% static 'vendor/mui-player/mui-player.min.js' %}">
99         </script>
100        <script src="{% static 'js/popbtn/main.js' %}"></script>
101        <script src="{% static 'js/preload/main.js' %}"></script>
102        <script src="{% static 'js/download/video.js' %}"></script>
103        <script src="{% static 'js/video/main.js' %}"></script>
104    {% endblock %}

```

Tags:

- 智能标签主页

```

1  {% extends "Album/navbar.html" %}
2
3  {% block title %}
4      <title>Tags {{ now_folder_name }} - Album</title>
5  {% endblock %}
6
7  {% block css %}
8      {% load static %}
9      <link rel="stylesheet" href="{% static 'vendor/fontawesome-
10      5.15.3/css/all.min.css' %}" crossorigin="anonymous">
11      <link rel="stylesheet" href="{% static 'css/preload/main.css' %}">
12      <link rel="stylesheet" href="{% static 'css/mypics/styles.css' %}">
13      <link rel="stylesheet" href="{% static 'css/tags/animate/animate.css'
14      %}">

```

```

13     <link rel="stylesheet" href="{% static 'css/tags/animate/set.css' %}">
14     <link rel="stylesheet" href="{% static 'css/tags/style.css' %}">
15
16     {% endblock %}
17
18     {% block main %}
19         <!-- works -->
20         <div id="works" class="clearfix grid">
21             {% for tag in ALL_tag_message %}
22                 <figure class="effect-oscar wowload fadeIn">
23                     
24                     <figcaption>
25                         <h2>{{ tag.tag_name_h }}</h2>
26                         <p>Wonderful {{ tag.tag_name_t }} Images in Your
Collection<br>
27                         <a href="{{ tag.href }}" title="{{ tag.tag_name_t }}">
28                             View more</a></p>
29                         </figcaption>
30                     </figure>
31             {% endfor %}
32             <figure class="effect-oscar wowload fadeIn">
33                 <img src='/static/image/tags/more.jpg' alt="img01"/>
34                 <figcaption>
35                     <h2>More</h2>
36                     <p>More Tags will be Added Later<br>
37                 </figcaption>
38             </figure>
39         <!-- works -->
40     {% endblock %}
41
42     {% block js %}
43         <script src="{% static 'vendor/jquery/jquery.easing.min.js' %}">
44             </script>
45             <script src="{% static 'vendor/wow/wow.min.js' %}"></script>
46             <script src="{% static 'js/getTag/main.js' %}"></script>
47             <script src="{% static 'js/preload/main.js' %}"></script>
48             <script src="{% static 'js/tags/script.js' %}"></script>
49     {% endblock %}

```

SignUp:

- 登录注册页

```

1  {% extends "Album/navbar.html" %}
2
3  {% block title %}
4      <title>Signup - Album</title>
5  {% endblock %}

```



```

49             <button type="button" id="signup_btn" class="form-
control-submit-button" tabindex="5">Signup
50             </button>
51         </div>
52         <div class="form-group">
53             <button type="button" class="form-control-signup-
button"
54                 onclick="window.location.href=' /login/' "
55                 tabindex="6">
56                 Login
57             </button>
58         </div>
59     </form>
60 </div>
61 </div>
62 </div>
63
64
65 {% endblock %}
66
67 {% block js %}
68     <script src="{% static 'js/signup/main.js' %}"></script>
69     <script src="{% static 'js/preload/main.js' %}"></script>
70     <script src="{% static 'js/changebackground.js' %}"></script>
71     <script src="{% static 'js/mousemove.js' %}"></script>
72 {% endblock %}

```

Search:

- 搜索页

```

1  {% extends "Album/navbar.html" %}
2
3  {% block title %}
4      <title> Search / {{ search_content }} - Album</title>
5  {% endblock %}
6
7  {% block css %}
8      {% load static %}
9      <link rel="stylesheet" href="{% static 'vendor/fontawesome-
5.15.3/css/all.min.css' %}" crossorigin="anonymous">
10     <link rel="stylesheet" href="{% static 'css/preload/main.css' %}">
11     <link rel="stylesheet" href="{% static 'css/popbtn/main.css' %}">
12     <link rel="stylesheet" href="{% static 'css/mypics/magnific-popup.css' %
}">
13     <link rel="stylesheet" href="{% static 'css/mypics/styles.css' %}">
14     <link rel="stylesheet" href="{% static 'css/upload/main.css' %}">
15     <link rel="stylesheet" href="{% static 'css/download/main.css' %}">
16  {% endblock %}

```



```
58         class="progress-bar bg-warning progress-bar-
59             striped progress-bar-animated"
60                 role="progressbar"
61                 aria-valuenow="0.1" aria-valuemin="0.1" aria-
62                 valuemax="100"
63                     style="width: 0.1%;">0.1%
64             </div>
65         </div>
66     </div>
67 </div>
68
69     <div class="modal fade" id="download-process" tabindex="-1"
70     role="dialog"
71         aria-labelledby="downloadProcessModalLabel"
72         aria-hidden="true" data-backdrop="static" style="overflow-y:
73         auto;">
74         <div class="modal-dialog modal-lg mx-auto" role="document"
75         style="max-width: 60%;margin-top:15rem;">
76             <div class="modal-content">
77                 <div class="modal-header">
78                     <h5 class="modal-title"
79                     id="downloadProcessModalLabel">Download Processing ... </h5>
80                 </div>
81                 <div class="modal-body">
82                     <div class="progress">
83                         <div id="download_process_bar"
84                             class="progress-bar bg-success progress-bar-
85                             striped progress-bar-animated"
86                             role="progressbar"
87                             aria-valuenow="0.1" aria-valuemin="0.1" aria-
88                             valuemax="100"
89                             style="width: 0.1%;">0.1%
90                         </div>
91                     </div>
92                 </div>
93             </div>
94         </div>
95     </div>
96
97     <div class="modal fade" id="delete-img-process" tabindex="-1"
98     role="dialog"
99         aria-labelledby="deleteimgProcessModalLabel"
100        aria-hidden="true" data-backdrop="static" style="overflow-y:
101        auto;">
102        <div class="modal-dialog modal-lg mx-auto" role="document"
103        style="max-width: 60%;margin-top:15rem;">
104            <div class="modal-content">
```

```

96             <div class="modal-header">
97                 <h5 class="modal-title"
98                     id="deleteimgProcessModalLabel">Deleting Image(s) ... </h5>
99             </div>
100            <div class="modal-body">
101                <div class="progress">
102                    <div id="delete_img_process_bar"
103                        class="progress-bar bg-danger progress-bar-striped progress-bar-animated"
104                            role="progressbar"
105                            aria-valuenow="0.1" aria-valuemin="0.1" aria-
106                            value="100"
107                                style="width: 0.1%;">0.1%
108                            </div>
109                </div>
110            </div>
111        </div>
112
113
114    <!-- Counter -->
115    <div id="counter" class="container" style="padding: 0 ;margin-top:
5rem">
116        <div class="cell">
117            <div class="counter-value number-count" data-count={{ count
}}>1</div>
118            <div class="counter-info">Images<br>In Total</div>
119        </div>
120        <div class="cell" style="width: 180px">
121            <div class="counter-value number-count" data-count={{ capacity_now }}>1</div>
122            <div class="counter-info">MB<br>Used</div>
123        </div>
124        <div class="cell">
125            <div class="counter-value number-count" data-count="5">1</div>
126            <div class="counter-info">GB<br>In Total</div>
127        </div>
128        <input id="now_search" type="hidden" style="display: none;" value=
{{ search_content }}>
129    </div>
130    <!-- end of counter -->
131
132    <!-- Projects -->
133    <div id="projects" class="filter" style="padding-top: 1rem;padding-
bottom: 1rem">
134        <div class="container" style="padding: 0;">
135            <div class="row">
136                <div class="col-lg-12" style="padding: 0;height: 6rem">

```

```

137         <div class="section-title" style="font-family: 'MV
Boli'>Search For Pictures</div>
138             <h2 style="font-family: 'Ink Free'">Search Results For
139 : <b>{{ search_content }}</b></h2>
140             </div> <!-- end of col -->
141         </div> <!-- end of row -->
142         <input id="select_img_cnt" type="hidden" style="display:
none;">
143         <div class="row">
144             <div class="col-lg-12 col-md-12 col-sm-12">
145                 {% ifequal ALL_search None %}
146                     <div class="none_pics mx-auto">
147                         <h4>No Relevant Pictures Found yet ~</h4>
148                         <h4>Click Here to Search</h4>
149                         <button id="search_btn" type="button"
150                             class="btn-solid-lg small blue" title="Search">Search
151                         </button>
152                     </div>
153                 {% endifequal %}
154                 {% ifnotequal ALL_search None %}
155                     <div class="grid" style="text-align:
156 center;background-color: rgb(250,250,250)">
157                         <form id="imageFewForm">
158                             {% csrf_token %}
159                             {% for p in ALL_search %}
160                                 <div class="element-item development"
161                                     id="img_{{ p.id }}"
162                                     style="text-align:
163 center;background-color: rgb(250,250,250)">
164                                     <div>
165                                         <a title="{{ p.name }}"
166                                         class="popup-with-move-anim" href="#box_{{ p.id }}">
167                                             <div class="element-item-
168 overlay"><span class="element_1"
169
170                                         style="white-space: nowrap;overflow: hidden;text-overflow:
171 ellipsis;margin: 0 1rem;background-color: rgba(0,0,0,0.1);">{{ p.name }}

```

```
170 <div class="element-item">
171     overlay"><span class="element_3"
172         style="white-space: nowrap;overflow: hidden;text-overflow:
173             ellipsis;margin: 0 1rem;">{{ p.name }}</span>
174     </div>
175     <div class="zoomImage11"
176         choose_zoomImage11 element_4"
177             style="background-
178             image: url('{{ p.path }}');border-radius: 0.25rem;"></div>
179             <input
180             class="download_select element_5" type="checkbox"
181                 style="display:
182                 none" value="{{ p.fake_name }}" name="img_name">
183             </a>
184             </div>
185             </div>
186             {% endfor %}
187
188         </form>
189
190         </div> <!-- end of grid -->
191         {% endifnotequal %}
192
193         <!-- end of filter -->
194
195         <!-- pages-->
196         <div class="container" style="width:4rem;position: fixed ;right:
197             1rem;bottom: 10rem">
198             <button id="top" type="button" class="btn-float blue"
199                 title="Up" style="margin-bottom: 2rem">
200                 <i class="fas fa-arrow-up"></i>
201             </button>
202             <button id="back" type="button" class="btn-float"
203                 title="Back" style="margin-left:0;margin-bottom:
204                 2rem;display: none;background: rgb(187, 187, 187)">
205                 <i class="fas fa-angle-double-left"></i>
206             </button>
207             <button id="next" type="button" class="btn-float"
208                 title="Next" style="margin: 0;display: none;background:
209                 rgb(187, 187, 187)">
210                 <i class="fas fa-angle-double-right"></i>
211             </button>
```

```

209      </div>
210      <!--end of pages-->
211
212
213
214      <!-- Lightbox -->
215      {% for p in ALL_search %}
216          <div id='box_{{ p.id }}' class="lightbox-basic zoom-anim-dialog
mfp-hide">
217              <div class="row">
218                  <button title="Close (Esc)" type="button" class="mfp-close
x-button">x</button>
219                  <div class="col-lg-8" style="text-align:center;margin:auto
0;">
220                      
221                  </div> <!-- end of col -->
222                  <div class="col-lg-4 btn-local0" style="color:
rgb(147,147,147);font-family: 'Arial'">
223                      <h3 style="white-space: nowrap;overflow: hidden;text-
overflow: ellipsis;color: black"
class="element_7" title="{{ p.name }}">{{ p.name
}}</h3>
224                      <hr class="line-heading">
225                      <div style="margin-bottom: 0">
226                          <h6 style="float: left;margin-bottom: 1rem">Upload
time:</h6>
227                          <b style="float: right" class="element_8">{{
p.upload_time }}</b>
228                      </div>
229                      <div style="margin-top: 0;margin-bottom: 0">
230                          <h6 style="float: left;margin-bottom: 1rem">Size:
</h6>
231                          <b style="float: right" class="element_9">{{
p.size }}&nbsp;MB</b>
232                      </div>
233                      <div style="margin-top: 0;margin-bottom: 0">
234                          <h6 style="float: left;margin-bottom: 1rem">Width:
</h6>
235                          <b style="float: right" class="element_10">{{
p.height }}&nbsp;px</b>
236                      </div>
237                      <div style="margin-top: 0;margin-bottom: 0">
238                          <h6 style="float: left;margin-bottom:
1rem">Height:</h6>
239                          <b style="float: right" class="element_11">{{
p.width }}&nbsp;px</b>
240                      </div>
241                      <div style="margin-top: 0;margin-bottom: 0">

```

```
243             <h6 style="float: left; margin-bottom: 1rem">Tag:
244             </h6>
245             <b style="float: right" class="element_12">{{ p.nowtag }}</b>
246             </div>
247             <div class="btn-locall mx-auto" style="margin-top: 3rem;">
248                 <form class="downloadOneForm">
249                     {% csrf_token %}
250                     <input class="download_input element_13" value="{{ p.fake_name }}" type="hidden"
251                         name="img_name">
252                     <button class="download_one btn-small mx-auto" type="button" title="Download"
253                         style="display: block; padding: 1rem 4rem; border-radius: 2rem; font-size: 1.5rem; margin-top: 0.5rem; outline: none;">
254                         <i class="uil uil-image-download" style="font-size: 1.5rem;"></i>
255                     </button>
256                     <button class="getOneTag yellow-btn-small mx-auto" type="button" title="Get Tag"
257                         style="display: block; padding: 1rem 4rem; border-radius: 2rem; font-size: 1.5rem; margin-top: 0.5rem; outline: none;">
258                         <i class="uil uil-tag-alt" style="font-size: 1.5rem;"></i>
259                     </button>
260                     <button class="getFaceRec yellow-btn-small mx-auto" type="button"
261                         title="Get Face Recognition"
262                         style="display: block; padding: 1rem 4rem; border-radius: 2rem; font-size: 1.5rem; margin-top: 0.5rem; outline: none;">
263                         <i class="uil uil-smile-wink-alt" style="font-size: 1.5rem;"></i>
264                     </button>
265                     <button class="delete_one rm-btn-small mx-auto" type="button" title="Delete"
266                         style="display: block; padding: 1rem 4rem; border-radius: 2rem; font-size: 1.5rem; margin-top: 0.5rem; outline: none;">
267                         <i class="uil uil-image-times" style="font-size: 1.5rem;"></i>
268                     </button>
269                 </form>
270             </div> <!-- end of col -->
271         </div> <!-- end of row -->
```

```

272         </div> <!-- end of lightbox-basic -->
273     {% endfor %}
274     <!-- end of lightbox -->
275
276
277     <div id="image-pop">
278         <div class="container popbtn">
279             <div class="float-btn-group">
280                 <button id="change_model" class="btn-float btn-triger
blue" type="button" value="select"
281                     title="Select">
282                         <i class="select_text uil uil-list-ul"></i>
283                         <i class="view_text uil uil-left-arrow-from-left"
style="display: none"></i>
284                     </button>
285                 <div class="btn-list">
286                     <button id="getFewFaceRec" class="btn-float yellow"
type="button" title="Get Face Recognition">
287                         <i class="uil uil-smile-squint-wink-alt"></i>
288                     </button>
289                     <button id="imgs_delete_few" class="btn-float pink"
type="button">
290                         <i class="uil uil-image-times"></i>
291                     </button>
292                     <button id="imgs_download_few" class="btn-float green"
type="button">
293                         <i class="uil uil-image-download"></i>
294                     </button>
295                     <button id="select_all" class="btn-float blue"
type="button" value="zero" title="Select All">
296                         <i class="select_all_text uil uil-book-medical">
</i>
297                         <i class="cancel_text uil uil-times-circle"
style="display: none;"></i>
298                     </button>
299                 </div>
300             </div>
301         </div>
302     </div>
303
304
305
306     {% endblock %}
307
308     {% block js %}
309         <script src="{% static 'vendor/popper/popper.min.js' %}"></script>
310         <script src="{% static 'vendor/jquery/jquery.easing.min.js' %}">
311     </script>

```

```

311     <script src="{% static 'vendor/jquery/jquery.magnific-popup.js' %}">
312     </script>
313     <script src="{% static 'js/popbtn/main.js' %}"></script>
314     <script src="{% static 'js/search/main.js' %}"></script>
315     <script src="{% static 'js/download/main.js' %}"></script>
316     <script src="{% static 'js/delete_img/main.js' %}"></script>
317     <script src="{% static 'js/getTag/main.js' %}"></script>
318     <script src="{% static 'js/getFaceRec/main.js' %}"></script>
319     <script src="{% static 'js/preload/main.js' %}"></script>
320     {% endblock %}

```

Mypics:

- 图片主页

```

1  {% extends "Album/navbar.html" %}
2
3  {% block title %}
4      <title>My Pics - Album</title>
5  {% endblock %}
6
7  {% block css %}
8      {% load static %}
9      <link rel="stylesheet" href="{% static 'vendor/bootstrap-fileinput-5.1.5/css/fileinput.css' %}">
10     <link rel="stylesheet" href="{% static 'vendor/bootstrap-fileinput-5.1.5/themes/explorer-fas/theme.min.css' %}">
11     <link rel="stylesheet" href="{% static 'vendor/bootstrap-select-1.13.14/css/bootstrap-select.css' %}">
12     <link rel="stylesheet" href="{% static 'vendor/bootstrap-tabs-x/css/bootstrap-tabs-x.min.css' %}">
13     <link rel="stylesheet" href="{% static 'vendor/fontawesome-5.15.3/css/all.min.css' %}" crossorigin="anonymous">
14     <link rel="stylesheet" href="{% static 'css/preload/main.css' %}">
15     <link rel="stylesheet" href="{% static 'css/popbtn/main.css' %}">
16     <link rel="stylesheet" href="{% static 'css/mypics/magnific-popup.css' %}">
17     <link rel="stylesheet" href="{% static 'css/mypics/styles.css' %}">
18     <link rel="stylesheet" href="{% static 'css/upload/main.css' %}">
19     <link rel="stylesheet" href="{% static 'css/download/main.css' %}">
20  {% endblock %}
21
22  {% block main %}
23      <div id="loader-wrapper">
24          <div id="loader"></div>
25      </div>
26
27      <div class="modal fade" id="launch-add" tabindex="-1" role="dialog" aria-labelledby="addModalLabel"

```

```
28         aria-hidden="true" data-backdrop="static" style="overflow-y:
auto;">
29             <div class="modal-dialog modal-lg mx-auto" role="document"
style="max-width: 50%;margin-top: 15rem;">
30                 <div class="modal-content" style="background:
rgb(245,245,245);border-radius: 1rem;">
31                     <div class="modal-header">
32                         <h5 class="modal-title" id="addModalLabel">New
Folder</h5>
33                     </div>
34                     <div class="modal-body">
35                         <form id="addFolderForm">
36                             {%- csrf_token %}
37                             <div class="form-group">
38                                 {%- csrf_token %}
39                                 <input type="text" style="display:none">{# 防
止只有一个input框时提交刷新页面 #}
40                                 <input value="" class="form-control-input"
id="input_folder_name" tabindex="1"
41                                     name="folder_name"
42                                     autocomplete="off" autofocus>
43                                     <label class="label-control"
for="input_folder_name"><i class="uil uil-folder-info"></i>&ampnbspFolder
44                                         Name</label>
45                                     </div>
46                                     </form>
47                     </div>
48                     <div class="modal-footer">
49                         <button id="add_modal_ok" type="button" class="btn
btn-success" tabindex="2"
50                             style="padding: 0.5rem 3rem;">OK
51                         </button>
52                         <button id="add_modal_close" type="button" class="btn
btn-secondary" data-dismiss="modal"
53                             tabindex="3"
54                             style="padding: 0.5rem 3rem;">Close
55                         </button>
56                     </div>
57                 </div>
58             </div>
59         </div>
60
61         <div class="modal fade" id="launch-mod" tabindex="-1" role="dialog"
aria-labelledby="modModalLabel"
62             aria-hidden="true" data-backdrop="static" style="overflow-y:
auto;">
63             <div class="modal-dialog modal-lg mx-auto" role="document"
style="max-width: 60%;margin-top: 10rem;">
```

```
64         <div class="modal-content" style="background:
65             rgb(245,245,245);border-radius: 1rem;">
66             <div class="modal-header">
67                 <h5 class="modal-title" id="modModalLabel">Modify
68                     Folder Name</h5>
69             </div>
70             <div class="modal-body">
71                 <form id="modifyFolderForm">
72                     {# csrf_token #}
73                     <div class="form-group">
74                         <input type="text" style="display:none">{# 防
75                         止只有一个input框时提交刷新页面 #}
76                         <div class="form-group"
77                             style="margin:1rem 0 3rem 0;display:
78                             inline-flex;align-content: center;width: 100%;">
79                             <span style="color:#787976;font-weight:
80                             bold;display: inline-flex;flex-basis: 35%;align-items: center;justify-
81                             content: center;">Select Folder Name:</span>
82                             <select id="folder_names"
83                                 class="selectpicker show-menu-arrow show-tick" tabindex="1"
84                                 data-live-search="true"
85                                 style="display: inline-flex;"
86                                 data-width="100%"
87                                     data-size="5">
88                             <option>&ampnbsp...</option>
89                             {# for f in folders #}
90                             {# ifnotequal f.name "ALL" #}
91                             <option data-tokens={{ f.name
92 }}>{{ f.name }}</option>
93                             {# endifnotequal #}
94                             {# endfor #}
95                             </select>
96
97                         </div>
98                         <div class="form-group">
99                             <input value="" class="form-control-input"
100                                id="input_folder_mod_name" tabindex="2"
101                                    name="input_folder_name"
102                                    autocomplete="off" autofocus>
103                                <label class="label-control"
104                                    for="input_folder_mod_name"><i
105                                         class="uil uil-folder-info">
106                                         New
107                                         Folder
108                                         Name</label>
109                                     </div>
110                                 </div>
111                             </form>
112                         </div>
```

```
101             <div class="modal-footer">
102                 <button id="modal_modify_ok" type="button" class="btn
103                     btn-success" tabindex="3"
104                         style="padding: 0.5rem 3rem;">OK
105                 </button>
106                 <button id="modal_modify_close" type="button"
107                     class="btn btn-secondary" data-dismiss="modal"
108                         tabindex="4"
109                         style="padding: 0.5rem 3rem;">Close
110                 </button>
111             </div>
112         </div>
113
114     <div class="modal fade" id="launch-upload" tabindex="-1" role="dialog"
115         aria-labelledby="uploadModalLabel"
116         aria-hidden="true" data-backdrop="static" style="overflow-y:
117             auto;">
118         <div class="modal-dialog modal-lg mx-auto" role="document"
119             style="max-width: 90%;">
120             <div class="modal-content">
121                 <div class="modal-header">
122                     <h5 class="modal-title"
123                         id="uploadModalLabel">UPLOAD</h5>
124                 </div>
125                 <div class="modal-body">
126                     <div class="file-loading">
127                         {%- csrf_token %}
128                         <input id="upload-input" class="file-loading"
129                             type="file" name="upload_img" multiple
130                             accept="image/*" data-browse-on-zone-
131                             click="true">
132                     </div>
133                     <div id="kartik-file-errors"></div>
134                 </div>
135                 <div class="modal-footer">
136                     <button id="upload_modal_close" type="button"
137                         class="btn btn-secondary" data-dismiss="modal"
138                             style="padding: 0.5rem 3rem;">Close
139                     </button>
140                 </div>
141             </div>
142         </div>
143
144     <div class="modal fade" id="face-process" tabindex="-1" role="dialog"
145         aria-labelledby="faceProcessModalLabel"
```

```
140         aria-hidden="true" data-backdrop="static" style="overflow-y:  
auto;">  
141             <div class="modal-dialog modal-lg mx-auto" role="document"  
style="max-width: 60%;margin-top:15rem;">  
142                 <div class="modal-content">  
143                     <div class="modal-header">  
144                         <h5 class="modal-title"  
id="faceProcessModalLabel">Face Recognition Processing ... </h5>  
145                     </div>  
146                     <div class="modal-body">  
147                         <div class="progress">  
148                             <div id="face_process_bar"  
class="progress-bar bg-warning progress-bar-striped progress-bar-animated"  
role="progressbar"  
aria-valuenow="0.1" aria-valuemin="0.1" aria-  
valuemax="100"  
style="width: 0.1%;">0.1%  
149                         </div>  
150                     </div>  
151                 </div>  
152             </div>  
153         </div>  
154     </div>  
155     </div>  
156     </div>  
157     </div>  
158 </div>  
159  
160     <div class="modal fade" id="tag-process" tabindex="-1" role="dialog"  
aria-labelledby="tagProcessModalLabel"  
aria-hidden="true" data-backdrop="static" style="overflow-y:  
auto;">  
161         <div class="modal-dialog modal-lg mx-auto" role="document"  
style="max-width: 60%;margin-top:15rem;">  
162             <div class="modal-content">  
163                 <div class="modal-header">  
164                     <h5 class="modal-title" id="tagProcessModalLabel">Tag  
Recognition Processing ... </h5>  
165                     </div>  
166                     <div class="modal-body">  
167                         <div class="progress">  
168                             <div id="tag_process_bar"  
class="progress-bar bg-warning progress-bar-striped progress-bar-animated"  
role="progressbar"  
aria-valuenow="0.1" aria-valuemin="0.1" aria-  
valuemax="100"  
style="width: 0.1%;">0.1%  
169                         </div>  
170                     </div>  
171                 </div>  
172             </div>  
173         </div>  
174     </div>  
175     </div>  
176     </div>  
177     </div>  
178 </div>
```

```
179         </div>
180     </div>
181
182     <div class="modal fade" id="video-process" tabindex="-1" role="dialog"
183         aria-labelledby="videoProcessModalLabel"
184         aria-hidden="true" data-backdrop="static" style="overflow-y:
185             auto;">
186         <div class="modal-dialog modal-lg mx-auto" role="document"
187             style="max-width: 60%;margin-top:15rem;">
188             <div class="modal-content">
189                 <div class="modal-header">
190                     <h5 class="modal-title"
191                         id="videoProcessModalLabel">Video Generation ... </h5>
192                 </div>
193                 <div class="modal-body">
194                     <div class="progress">
195                         <div id="video_process_bar"
196                             class="progress-bar bg-warning progress-bar-
197                             striped progress-bar-animated"
198                             role="progressbar"
199                             aria-valuenow="0.1" aria-valuemin="0.1" aria-
200                             valuemax="100"
201                             style="width: 0.1%;">0.1%
202                         </div>
203                     </div>
204                 </div>
205             </div>
206         </div>
207     </div>
208
209     <div class="modal fade" id="download-process" tabindex="-1"
210         role="dialog"
211         aria-labelledby="downloadProcessModalLabel"
212         aria-hidden="true" data-backdrop="static" style="overflow-y:
213             auto;">
214         <div class="modal-dialog modal-lg mx-auto" role="document"
215             style="max-width: 60%;margin-top:15rem;">
216             <div class="modal-content">
217                 <div class="modal-header">
218                     <h5 class="modal-title"
219                         id="downloadProcessModalLabel">Download Processing ... </h5>
220                 </div>
221                 <div class="modal-body">
222                     <div class="progress">
223                         <div id="download_process_bar"
224                             class="progress-bar bg-success progress-bar-
225                             striped progress-bar-animated"
226                             role="progressbar"
```

```
217                     aria-valuenow="0.1" aria-valuemin="0.1" aria-
218                     value="100"
219                         style="width: 0.1%;">>0.1%
220                     </div>
221                 </div>
222             </div>
223         </div>
224     </div>
225
226     <div class="modal fade" id="delete-img-process" tabindex="-1"
227     role="dialog"
228         aria-labelledby="deleteimgProcessModalLabel"
229         aria-hidden="true" data-backdrop="static" style="overflow-y:
auto;">
230         <div class="modal-dialog modal-lg mx-auto" role="document"
231         style="max-width: 60%;margin-top:15rem;">
232             <div class="modal-content">
233                 <div class="modal-header">
234                     <h5 class="modal-title"
235                     id="deleteimgProcessModalLabel">Deleting Image(s) ... </h5>
236                 </div>
237                 <div class="modal-body">
238                     <div class="progress">
239                         <div id="delete_img_process_bar"
240                             class="progress-bar bg-danger progress-bar-
241                             striped progress-bar-animated"
242                             role="progressbar"
243                             aria-valuenow="0.1" aria-valuemin="0.1" aria-
244                             value="100"
245                             style="width: 0.1%;">>0.1%
246                         </div>
247                     </div>
248                 </div>
249             </div>
250
251             <div class="modal fade" id="delete-folder-process" tabindex="-1"
252             role="dialog"
253                 aria-labelledby="deletefolderProcessModalLabel"
254                 aria-hidden="true" data-backdrop="static" style="overflow-y:
auto;">
255                 <div class="modal-dialog modal-lg mx-auto" role="document"
256                 style="max-width: 60%;margin-top:15rem;">
257                     <div class="modal-content">
258                         <div class="modal-header">
259                             <h5 class="modal-title"
260                             id="deletefolderProcessModalLabel">Deleting Folder(s) ... </h5>
```

```
255             </div>
256             <div class="modal-body">
257                 <div class="progress">
258                     <div id="delete_folder_process_bar"
259                         class="progress-bar bg-danger progress-bar-
260                         striped progress-bar-animated"
261                         role="progressbar"
262                         aria-valuenow="0.1" aria-valuemin="0.1" aria-
263                         value="100"
264                         style="width: 0.1%;">0.1%
265                     </div>
266                 </div>
267             </div>
268         </div>
269
270     <!-- Counter -->
271     <div id="counter" style="margin-top: 5rem">
272
273         <div class="cell">
274             <div class="counter-value number-count" data-count={{ count
275 }}>1</div>
276             <div class="counter-info">Folder(s)<br>In Total</div>
277         </div>
278         <div class="cell" style="width: 210px">
279             <div class="counter-value number-count" data-count={{ capacity_now }}>1</div>
280             <div class="counter-info">MB<br>Used</div>
281         </div>
282         <div class="cell">
283             <div class="counter-value number-count" data-count="5">1</div>
284             <div class="counter-info">GB<br>In Total</div>
285         </div>
286         <input id="now_folder_fake_name" type="hidden" style="display:
287 none;" value="{{ ALL_folderfakename }}">
288     </div>
289     <!-- end of counter -->
290
291     <!-- Projects -->
292     <div id="projects" class="filter" style="padding-top: 1rem;padding-
293 bottom: 1rem">
294         <div class="container" style="padding: 0;">
295             <div class="row">
296                 <div class="col-lg-12" style="padding: 0;height: 6rem">
297                     <div class="section-title" style="font-family: 'MV
298 Boli'">Mypics</div>
299                     <h2 style="font-family: 'Ink Free'">Welcome to
300 AIcloudAlbum</h2>
```

```
296             </div> <!-- end of col -->
297         </div> <!-- end of row -->
298
299         <div id="mytab" class="tabs-x align-center tabs-above"
300             style="background: rgba(252,252,252,0.9);border-radius:
1rem;">
301             <ul id="myTab-tabs-above" class="nav nav-tabs"
302                 role="tablist">
303                 <li class="nav-item" style="width: 50%;text-align:
center;color: white;"><a data-value="allimags"
304                     class="nav-link active"
305                     id="all-tab-tabs-above"
306                     href="#all-tabs-above"
307                     role="tab"
308                     data-toggle="tab"
309                     aria-controls="all"
310                     aria-expanded="true"
311                     style="border-radius: 1rem 0 0 0;"><i
312                         class="uil uil-image"></i>&nbsp;All Images</a>
313             </li>
314             <li class="nav-item" style="width: 50%;text-align:
center;color: white;"><a data-value="folders"
315                     class="nav-link"
316                     id="folder-tab-tabs-above"
317                     href="#folder-tabs-above"
318                     role="tab-kv"
319                     data-toggle="tab"
320                     aria-controls="folder"
321                     aria-expanded="true"
322                     style="border-radius: 0 1rem 0 0;"><i
323                         class="uil uil-folder"></i>&nbsp;Folders</a>
324             </li>
325         </ul>
```



```

356     style="background-image: url({{ p.path }});border-radius: 0.5rem;"></div>
357                                         </a>
358                                         <a
359                                         id="img_model_{{ p.id }}" class="choose_model_img"
360                                         style="border-
361                                         radius: 0.5rem;cursor: pointer;" title="{{
362                                         p.name }}">
363                                         <div
364                                         class="element-item-overlay"><span class="element_3"
365                                         style="white-space: nowrap;overflow: hidden;text-
366                                         overflow: ellipsis;margin: 0 1rem;">{{ p.name }}</span>
367                                         </div>
368                                         <div
369                                         class="zoomImage11 choose_zoomImage11 element_4"
370                                         style="background-image: url({{ p.path }});border-radius: 0.25rem;"></div>
371                                         <input
372                                         class="img_select element_5" type="checkbox"
373                                         style="display: none"
374                                         value={{ p.fake_name }} name="img_name">
375                                         </a>
376                                         </div>
377                                         </div>
378                                         {%
379                                         % endfor %}
380                                         </form>
381                                         </div> <!-- end of grid -->
382                                         <!-- end of filter -->
383                                         {%
384                                         % endifnotequal %}
385                                         </div> <!-- end of col -->
386                                         </div> <!-- end of row -->
387                                         {%
388                                         % for p in ALL_imgs %}
389                                         <div id='box_{{ p.id }}' class="lightbox-basic
390                                         zoom-anim-dialog mfp-hide">
391                                         <div class="row">
392                                         <button title="Close (Esc)"
393                                         type="button" class="mfp-close x-button">x</button>
394                                         <div class="col-lg-8" style="text-
395                                         align:center;margin:auto 0;">
396                                         <img class="img-fluid element_6"
397                                         src={{ p.path }} alt={{ p.name }}>
398                                         </div> <!-- end of col -->

```



```
419           value="{{
420             p.fake_name }}"
421             type="hidden"
422           name="img_name">
423         <button
424           class="download_one btn-small mx-auto" type="button"
425             title="Download"
426             style="display:
427               block;padding:1rem 4rem;border-radius: 2rem;font-size: 1.5rem;margin-top:
428               0.5rem;outline: none;">
429           <i class="uil uil-
430             image-download" style="font-size: 1.5rem;"></i>
431         </button>
432         <button class="getOneTag
433           yellow-btn-small mx-auto" type="button"
434             title="Get Tag"
435             style="display:
436               block;padding:1rem 4rem;border-radius: 2rem;font-size: 1.5rem;margin-top:
437               0.5rem;outline: none;">
438           <i class="uil uil-tag-
439             alt" style="font-size: 1.5rem;"></i>
440         </button>
441         <button class="getFaceRec
442           yellow-btn-small mx-auto" type="button"
443             title="Get Face
444             Recognition"
445             style="display:
446               block;padding:1rem 4rem;border-radius: 2rem;font-size: 1.5rem;margin-top:
447               0.5rem;outline: none;">
448           <i class="uil uil-
449             smile-wink-alt" style="font-size: 1.5rem;"></i>
450         </button>
451         <button class="delete_one
452           rm-btn-small mx-auto" title="Delete"
453             type="button"
454             style="display:
455               block;padding:1rem 4rem;border-radius: 2rem;font-size: 1.5rem;margin-top:
456               0.5rem;outline: none;">
457           <i class="uil uil-
458             image-times" style="font-size: 1.5rem;"></i>
459         </button>
460       </form>
461     </div>
462   </div> <!-- end of col -->
463   </div> <!-- end of row -->
464   </div> <!-- end of lightbox-basic -->
465   {%- endfor %}
466   <!-- end of lightbox -->
467 </div>
468
469
```

```

450          <div class="tab-pane fade" id="folder-tabs-above"
451            role="tabpanel"
452              aria-labelledby="folder-tab-tabs-above">
453              <div class="row">
454                <div class="col-lg-12">
455                  {%- ifequal Folders None %}
456                  <div class="none_pics mx-auto">
457                    <h4>No Folders yet ~</h4>
458                    <h4>Click Here to New Folder</h4>
459                    <button type="button" class="btn-solid-lg small blue" data-toggle="modal"
460                          data-target="#launch-add"
461                          title="New Folder">
462                            New Folder
463                            </button>
464                          </div>
465                          {%- endifequal %}
466                          {%- ifnotequal Folders None %}
467                          <div class="grid folder" style="text-align: center;background:transparent;">
468                            <form id="folderFewForm">
469                              {%- csrf_token %}
470                              {%- for p in Folders %}
471                                <div class="element-item development"
472                                  id="folder_{{ p.id }}"
473                                  style="text-align: center;background:transparent;">
474                                  <a title="{{ p.name }}"
475                                    class="popup-with-move-anim"
476                                    href="{{ p.href }}"
477                                    name="{{ p.name }}">
478                                    <div
479                                      class="element-item-dirlay">
480                                      <span class="element_1"
481                                        style="white-space: nowrap;overflow: hidden;text-overflow: ellipsis;margin: 0 1.5rem;border-radius: 1rem;">{{ p.name }} </span>
482                                    </div>
483                                    <div
484                                      class="zoomImage11 element_2"
485                                      style="background-image: url({{ p.path }});border-radius: 0.5rem;"></div>
486                                    </a>
487                                    <a id="folder_model_{{ p.id }}"
488                                      class="choose_model_img"
489                                      style="border-radius: 0.5rem;cursor: pointer;">

```

```

483                               title="{{ p.name
484                         }}" name="{{ p.name }}">>
485
486                         <div
487                           class="element-item-dirlay">
488                             <span
489                               class="element_3"
490                                 style="white-space: nowrap;overflow: hidden;text-overflow:
491                                   ellipsis;margin: 0 1.5rem;border-radius: 1rem;">{{ p.name }} </span>
492                           </div>
493                         <div
494                           class="zoomImage11 choose_zoomImage11 element_4"
495                             style="background-image: url('{{ p.path }});border-radius: 0.25rem;"></div>
496                           <input
497                             class="folder_select element_5" type="checkbox"
498                               style="display: none"
499                               value="{{
500                                 p.fake_name }} name="folder_name">
501                               </a>
502                           </div>
503                         {% endfor %}
504
505                         </form>
506
507                         </div> <!-- end of grid -->
508                         <!-- end of filter -->
509                         {% endifnotequal %}
510                         </div> <!-- end of col -->
511                         </div> <!-- end of row -->
512                         </div>
513                         </div>
514                         </div>
515                         <!-- pages_img/folder-->
516                         <div class="container" style="width:5rem;position: fixed ;right:
517                           1rem;bottom: 11rem;margin-bottom: 1.5rem">
518                           <button id="top" type="button" class="btn-float blue"
519                             title="Up">
520                             <i class="fas fa-arrow-up"></i>
521                           </button>
522                         </div>
523                         <div class="container" style="width:5rem;position: fixed ;right:
524                           1rem;bottom: 3rem">
525                           <button id="img_back" type="button" class="btn-float"

```

```
520             title="Back" style="margin-left:0; margin-bottom: 1.5rem; display: none; background: #1a237e; color: white;">>
521                 <i class="fas fa-angle-double-left"></i>
522             </button>
523             <button id="img_next" type="button" class="btn-float" title="Next" style="margin: 0; display: none; background: #1a237e; color: white;">>
524                 <i class="fas fa-angle-double-right"></i>
525             </button>
526         </div>
527         <div class="container" style="width:5rem; position: fixed ; right: 1rem; bottom: 3rem">
528             <button id="folder_back" type="button" class="btn-float" title="Back" style="margin-left:0; margin-bottom: 1.5rem; display: none; background: #1a237e; color: white;">>
529                 <i class="fas fa-angle-double-left"></i>
530             </button>
531             <button id="folder_next" type="button" class="btn-float" title="Next" style="margin: 0; display: none; background: #1a237e; color: white;">>
532                 <i class="fas fa-angle-double-right"></i>
533             </button>
534         </div>
535
536
537
538
539
540
541     <div id="image-pop">
542         <div class="container upload_btn uploadbtn popbtn">
543             <div class="float-btn-group">
544                 <button type="button" class="btn-float blue" data-toggle="modal"
545                         data-target="#launch-upload" title="Upload">
546                     <i class="uil uil-image-upload"></i>
547                 </button>
548             </div>
549         </div>
550         <div class="container popbtn float-btn-group">
551             <div class="float-btn-group" style="bottom:29rem;">
552                 <button id="getTag" class="btn-float yellow" type="button" title="Get All Tags">
553                     <i class="uil uil-tag-alt"></i>
554                 </button>
555             </div>
556         </div>
557         <div class="container popbtn">
558             <div class="float-btn-group">
559                 <button id="imgs_change_model" class="btn-float btn-triger blue" type="button" value="select"
560                     title="Select">
```

```
561             <i class="select_text uil uil-list-ul"></i>
562             <i class="view_text uil uil-left-arrow-from-left"
563 style="display: none"></i>
564         </button>
565         <div class="btn-list">
566             <button id="getVideo" class="btn-float yellow"
567 type="button" title="Get Video Generation">
568                 <i class="uil uil-presentation-play"></i>
569             </button>
570             <button id="getFewFaceRec" class="btn-float yellow"
571 type="button" title="Get Face Recognition">
572                 <i class="uil uil-smile-squint-wink-alt"></i>
573             </button>
574             <button id="imgs_delete_few" class="btn-float pink"
575 type="button">
576                 <i class="uil uil-image-times"></i>
577             </button>
578             <button id="imgs_download_few" class="btn-float green"
579 type="button">
580                 <i class="uil uil-image-download"></i>
581             </button>
582             <button id="imgs_select_all" class="btn-float blue"
583 type="button" value="zero" title="Select All">
584                 <i class="select_all_text uil uil-book-medical">
585             </i>
586             <i class="cancel_text uil uil-times-circle"
587 style="display: none;"></i>
588         </button>
589     </div>
590     </div>
591     </div>
592     </div>
593     </div>
594     <div id="folder-pop">
595         <div class="container folder_func1 popbtn">
596             <div class="float-btn-group">
597                 <button type="button" class="btn-float blue" data-
598 toggle="modal"
599                     data-target="#launch-mod" title="Modify Folder">
600                         <i class="uil uil-folder-info"></i>
601                     </button>
602             </div>
603             <div class="float-btn-group" style="bottom:26rem;">
604                 <button type="button" class="btn-float blue" data-
605 toggle="modal"
606                     data-target="#launch-add" title="New Folder">
607                         <i class="uil uil-folder-plus"></i>
608                     </button>
609             </div>
610         </div>
611     </div>
```

```

600         </div>
601         <div class="container popbtn">
602             <div class="float-btn-group">
603                 <button id="folders_change_model" class="btn-float btn-
triger blue" type="button" value="select"
604                     title="Select">
605                     <i class="select_text uil uil-list-ul"></i>
606                     <i class="view_text uil uil-left-arrow-from-left"
607 style="display: none"></i>
608                 </button>
609                 <div class="btn-list">
610                     <button id="folders_delete_few" class="btn-float pink"
611 type="button">
612                         <i class="uil uil-folder-times"></i>
613                         </button>
614                         <button id="folders_select_all" class="btn-float blue"
615 type="button" value="zero"
616                             title="Select All">
617                             <i class="select_all_text uil uil-book-medical">
618                         </i>
619                         <i class="cancel_text uil uil-times-circle"
620 style="display: none;"></i>
621                     </button>
622                 </div>
623             </div>
624         </div>
625         <!--end of pages-->
626
627
628
629
630
631
632
633
634

```

```

635     <script src="{% static 'vendor/jquery/jquery.easing.min.js' %}">
636     </script>
637     <script src="{% static 'vendor/jquery/jquery.magnific-popup.js' %}">
638     </script>
639     <script src="{% static 'js/popbtn/main.js' %}"></script>
640     <script src="{% static 'js/mypics/main.js' %}"></script>
641     <script src="{% static 'js/upload/main.js' %}"></script>
642     <script src="{% static 'js/download/main.js' %}"></script>
643     <script src="{% static 'js/delete_folder/main.js' %}"></script>
644     <script src="{% static 'js/delete_img/main.js' %}"></script>
645     <script src="{% static 'js/modify_folder/main.js' %}"></script>
646     <script src="{% static 'js/getTag/main.js' %}"></script>
647     <script src="{% static 'js/getFaceRec/main.js' %}"></script>
648     <script src="{% static 'js/getVideo/main.js' %}"></script>
649     <script src="{% static 'js/preload/main.js' %}"></script>
650
651 {% endblock %}

```

Face:

- 人像主页

```

1  {% extends "Album/navbar.html" %}

2

3  {% block title %}
4      <title>Faces - Album</title>
5  {% endblock %}

6

7  {% block css %}
8      {% load static %}
9      <link rel="stylesheet" href="{% static 'css/preload/main.css' %}">
10     <link rel="stylesheet" href="{% static 'css/mypics/styles.css' %}">
11     <link rel="stylesheet" href="{% static 'css/upload/main.css' %}">
12     <link rel="stylesheet" href="{% static 'css/popbtn/main.css' %}">
13     <link rel="stylesheet" href="{% static 'vendor/fontawesome-
14         5.15.3/css/all.min.css' %}" crossorigin="anonymous">
15
16  {% block main %}
17      <div id="loader-wrapper">
18          <div id="loader"></div>
19      </div>
20
21      <!-- Counter -->
22      <div id="counter" style="margin-top: 5rem">
23          <div class="cell">
24              <div class="counter-value number-count" data-count={{ count
25 }}>1</div>
26                  <div class="counter-info">People<br>In Total</div>
27          </div>

```

```

27         <div class="cell" style="width: 210px">
28             <div class="counter-value number-count" data-count={{ capacity_now }}>1</div>
29             <div class="counter-info">MB<br>Used</div>
30         </div>
31         <div class="cell">
32             <div class="counter-value number-count" data-count="5">1</div>
33             <div class="counter-info">GB<br>In Total</div>
34         </div>
35     </div>
36     <!-- end of counter -->
37
38     <!-- Projects -->
39     <div id="projects" class="filter" style="padding-top: 1rem;padding-bottom: 1rem">
40         <div class="container" style="padding: 0;">
41             <div class="row">
42                 <div class="col-lg-12" style="padding: 0; height: 6rem">
43                     <div class="section-title" style="font-family: 'MV
Boli';">FACE</div>
44                     <h2 style="font-family: 'Ink Free';">AI Face</h2>
45                 </div> <!-- end of col -->
46             </div> <!-- end of row -->
47
48             <div class="row">
49                 <div class="col-lg-12">
50                     {% ifequal Faces None %}
51                         <div class="none_pics mx-auto">
52                             <h4>No Faces yet ~</h4>
53                             <h4>Click Here to Mypics</h4>
54                             <a href="/mypics/" type="button" class="btn-
solid-lg small blue" title="Mypics">
55                                 Mypics
56                             </a>
57                         </div>
58                     {% endifequal %}
59                     {% ifnotequal Faces None %}
60                         <div class="grid" style="text-align:
center;background:transparent;">
61                             <form id="folderFewForm">
62                                 {% csrf_token %}
63                                 {% for f in Faces %}
64                                     <div class="element-item development"
id="faces_{{ f.id }}"
65                                         style="text-align:
center;background:transparent;">
66                                         <a class="element_1" href={{ f.href }}>
```

```

68                                     <div class="element-item-
69                                         overlay">
70                                         <span style="white-space:
71                                         nowrap;overflow: hidden;text-overflow: ellipsis;margin: 0 1rem;background-
72                                         color: rgba(0,0,0,0.1);">See  &nbsp;Images</span>
73                                     </div>
74                                     <div class="zoomImage11
75                                         element_2"
76                                         style="background-image:
77                                         url({{ f.cover_path }});border-radius: 50%;"></div>
78                                     </a>
79                                     </div>
80                                     {% endfor %}
81                                     </form>
82                                     </div> <!-- end of grid -->
83                                     {% endifnotequal %}
84                                     <!-- end of filter -->
85                                     </div> <!-- end of col -->
86                                     </div> <!-- end of row -->
87                                     </div> <!-- end of container -->
88                                     </div> <!-- end of filter -->
89                                     <!-- end of projects -->
90
91
92                                     <!-- pages-->
93                                     <div class="container" style="width:4rem;position: fixed ;right:
94                                         1rem;bottom: 10rem">
95                                         <button id="top" type="button" class="btn-float blue"
96                                             title="Up" style="margin-bottom: 2rem">
97                                             <i class="fas fa-arrow-up"></i>
98                                         </button>
99                                         <button id="back" type="button" class="btn-float"
100                                            title="Back" style="margin-left:0; margin-bottom:
101                                              2rem; display: none; background: rgb(187, 187, 187)">
102                                             <i class="fas fa-angle-double-left"></i>
103                                         </button>
104                                         <button id="next" type="button" class="btn-float"
105                                            title="Next" style="margin: 0; display: none; background:
106                                              rgb(187, 187, 187)">
107                                             <i class="fas fa-angle-double-right"></i>
108                                         </button>
109                                     </div>
110                                     <!--end of pages-->
111
112                                     {% endblock %}
113
114                                     {% block js %}
115                                         <script src="{% static 'js/face/main.js' %}"></script>
116                                         <script src="{% static 'js/preload/main.js' %}"></script>
117                                     {% endblock %}

```

Error:

- 错误页

```
1  {% extends "Album/navbar_welcome.html" %}

2

3  {% block title %}
4      <title>Errors - Album</title>
5  {% endblock %}

6

7  {% block css %}
8      {% load static %}
9      <link rel="stylesheet" href="{% static 'css/preload/main.css' %}">
10     <link rel="stylesheet" href="{% static 'css/mypics/styles.css' %}">
11  {% endblock %}

12

13  {% block logo %}
14      
15  {% endblock %}

16

17  {% block main %}
18      <div id="loader-wrapper">
19          <div id="loader"></div>
20      </div>

21

22      <!-- Projects -->
23      <div id="projects" class="filter" style="padding-top: 1rem;padding-
bottom: 1rem">
24          <div class="container" style="padding: 0;">
25              <div class="row" style="margin-top: 5rem;">
26                  <div class="col-lg-12">
27                      <div class="none_pics mx-auto">
28                          <h2>Page Not Found {{ error_info }} </h2>
29                          <br>
30                          <h4>Something error ~</h4>
31                          <h4>Click Here to Mypics</h4>
32                          <a href="/mypics/" type="button" class="btn-solid-
lg small blue" title="Mypics">
33                              Mypics
34                          </a>
35                      </div>
36                      <!-- end of filter -->
37                  </div> <!-- end of col -->
38              </div> <!-- end of row -->
39          </div> <!-- end of container -->
40      </div> <!-- end of filter -->
41      <!-- end of projects -->
42
43  {% endblock %}
```

```
44
45  {% block js %}
46      <script src="{% static 'js/preload/main.js' %}"></script>
47  {% endblock %}
```