一些简单的约定

返回码:

- 200: 正常操作
- 201: 创建新资源
- 400：不好的请求，比如需要的字段没有，时间错误，管理别人的 holiays，相应错误会在返回的message
- 401：没有认证，在登陆认证前就进行操作，需要先登录，然后带 token
- 403: 禁止，没有对应权限

操作:

- PUT：更新一个已经有的资源
- POST：创建一个新的资源
- GET：获得对应的资源

GET请求查询时，都做了分页:

- page: 第几页
- per_page：每一页有多少
- want_all：要全部的页

对应接口

普通操作

holiday_apply_state：0:正在等待审批， -1:取消中， 1:在一级审批， 2：在2级审批， 3: 在3级审批

holiday_apply_ok： 0: 在审批中， -1: 被驳回， 1:审批成功

holiday_app_over： 默认为0。 1：假最终结束

holiday_app_end： 默认为0。 1:申请销假

holiday_type：

1. 'Leave on business'
2. 'Annual leave'
3. 'Sick leave'
4. 'Funeral leave'
5. 'compassionate leave'
6. 'Maternity leave'
7. 'Marriage leave'
8. 'Maternity leave'

用户登录

GET 服务器ip: 服务器端口/api/v1.0/token

auth中：username为账号， password：为密码

返回

expiration： 为token有效的时间，单位为s

token： 为token，在之后的请求中带在auth中，将username中的值变成token

```
{
"expiration": 3600,
"token":
"eyJleHAiOjE0ODA3NDk2MjcsImFsZyI6IkhTMjU2IiwiaWF0Ijo
xNDgwNzQ2MDI3fQ.eyJpZCI6IjMwMTMyMTgweHgifQ.berBE7ELj
i1KnJr0IZ0QiAdsPJufh8Eh5eTOGbf79fY"
}
```

用户看自己的请的假

GET 服务器ip：服务器端口/api/v1.0/worker/holidays

需要在auth中带token，

如:eyJleHAiOjE0ODA3NDk2MjcsImFsZyI6IkhTMjU2IiwiaWF0IjoxNDgwNzQ2MDI3fQ（这个一直在变）

返回：

holidays为你请假的数组，然后里面为你请的假

holiday_worker_id：为请假者的id，这就是你

holiday_type： 请假的类型

holiday_time_end：请假的结束时间

holiday_time_begin： 请假的开始时间

holiday_reason：请假的理由

holiday_id： 这次假标识的ID

holiday_end_time：这次假，最终销假的时间

holiday_apply_time： 这次假申请的时间

holiday_apply_state： 这次假处在那个级别审批中的状态

holiday_apply_ok： 这次假的申请状态

holiday_app_over： 这次假是否全部结束了

holiday_app_end： 是否申请销假

```
{
"holidays": [
{
"holiday_app_end": false,
"holiday_app_over": false,
"holiday_apply_ok": 0,
"holiday_apply_state": 0,
"holiday_apply_time": null,
"holiday_end_time": null,
"holiday_id": 1,
"holiday_reason": "just haha",
"holiday_time_begin": "2016-10-01",
"holiday_time_end": "2016-10-02",
"holiday_type": 4,
"holiday_worker_id": "30132180xx"
},
{
"holiday_app_end": false,
"holiday_app_over": false,
"holiday_apply_ok": 0,
"holiday_apply_state": 0,
"holiday_apply_time": null,
"holiday_end_time": null,
"holiday_id": 2,
"holiday_reason": "just haha",
"holiday_time_begin": "2016-10-01",
"holiday_time_end": "2016-10-10",
"holiday_type": 2,
"holiday_worker_id": "30132180xx"
},
```

```
{
"holiday_app_end": false,
"holiday_app_over": false,
"holiday_apply_ok": 0,
"holiday_apply_state": 0,
"holiday_apply_time": "Thu, 01 Dec 2016 00:00:00
GMT",
"holiday_end_time": null,
"holiday_id": 5,
"holiday_reason": "just test",
"holiday_time_begin": "2016-10-01",
"holiday_time_end": "2016-10-02",
"holiday_type": 4,
"holiday_worker_id": "30132180xx"
}
]
}
```

用户申请新的假

POST 服务器ip：服务器端口/api/v1.0/worker/holidays

请求示范：

对应字段意义和开始约定一样

需要注意，一定要有reason，begin要早于end

```
{
"holiday_type": "4",
"holiday_time_begin": "2016-10-1",
"holiday_time_end": "2016-10-22",
"holiday_reason": "just test"
}
```

返回：

申请成功，创建的holidays的id

```
{
"holiday_id": 7
}
```

如果开始比结束晚的话：

```
{
"error": "bad request",
"message": "begin is latter than end"
}
```

没有理由或者理由为空：

```
{
"error": "bad request",
"message": "you need reason to apply"
}
```

请假类型不存在：

```
{
"error": "bad request",
"message": "the holiday type not exit"
}
```

如果是为请的年假，超过时间的话：

目前为一申请年假马上扣掉年假时间，只有这个假被驳回，然后你放弃申请才能重新加上去，或者还没审批时候，你取消申请

```
{
"error": "bad request",
"message": "your annual leave nums isn't enough"
}
```

```
    }
```

用户修改请假申请

注意修改只能在还没被审批时和申请被驳回时才能修改。

申请结束必须在这次假已经成功申请之后才能申请。

PUT 服务器ip：服务器端口/api/v1.0/worker/holidays／holiday的id
`

请求修改例子如下：

注意over是修改直接放弃这次请假

```
{
"holiday_over": "1"
}
```

下面是修改一个假的信息

```
{
"holiday_reason": "just haha",
"holiday_begin_time": "2016-10-1",
"holiday_end_time": "2016-10-20",
"holiday_type": "3",
"holiday_over": "1"
}
```

下面是当你审批ok之后，放完假，回来工作了，要申请销假

```
{
"holiday_end": "1"
}
```

返回：

成功时

```
{
"message": "your modify your holiday apply"
}
```

管理一个不存在的holiday

```
{
"error": "bad request",
"message": "the holiday isn't exit"
}
```

管理不是你的holiday

```
{
"error": "bad request",
"message": "your can't modify the holiday which is
not belong you"
}
```

修改一个已经审批成功的holiday：

```
{
"error": "bad request",
"message": "you can't modify the apply ok holiday"
}
```

修改一个正在审批的holiday：

```
{
"error": "bad request",
"message": "you can't modify the holiday in check"
```

```
    }
```

其他类似申请创建一个新holiday一样

用户申请结束自己的假期

申请销假：

PUT `服务器ip：服务器端口/api/v1.0/worker/holidays / holiday的id

`{

"holiday_end" : "1"
}

成功

```
{
"message": "your apply to end the holiday"
}
```

假没有审核成功

```
{
"error": "bad request",
"message": "your can apply to end the holiday maybe
in check or apply faily"
}
```

用户查看自己加班申请的信息

GET `服务器ip：服务器端口/api/v1.0/worker/workadds

`

返回：

同holidays，如果没有为空数组

```
{
"workadds": [
{
"workadd_add_state": 0,
"workadd_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
"workadd_end_time": "Sun, 02 Oct 2016 00:00:00 GMT",
"workadd_id": 2,
"workadd_reason": "just like work",
"workadd_start_time": "Sat, 01 Oct 2016 00:00:00
GMT"
},
{
"workadd_add_state": 0,
"workadd_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
"workadd_end_time": "Sun, 02 Oct 2016 00:00:00 GMT",
"workadd_id": 3,
"workadd_reason": "just like work",
"workadd_start_time": "Sat, 01 Oct 2016 00:00:00
GMT"
},
{
"workadd_add_state": 0,
"workadd_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
"workadd_end_time": "Sun, 02 Oct 2016 00:00:00 GMT",
"workadd_id": 4,
"workadd_reason": "just like work",
"workadd_start_time": "Sat, 01 Oct 2016 00:00:00
GMT"
},
```

```
{
"workadd_add_state": 0,
"workadd_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
"workadd_end_time": "Sun, 02 Oct 2016 00:00:00 GMT",
"workadd_id": 5,
"workadd_reason": "just like work",
"workadd_start_time": "Sat, 01 Oct 2016 00:00:00
GMT"
}
]
}
```

创建新的加班

POST `服务器ip：服务器端口/api/v1.0/worker/workadds

```
`{

"workadd_time_begin": "2016,10,1",
"workadd_time_end": "2016,10,2",
"workadd_reason": "just like work"
}
```

成功时：

```
{
"workadd_id": 6
}
```

时间开始比结束晚：

```
{
"error": "bad request",
"message": "workadd start laster than end"
```

```
        }
```

没有理由或者理由为空字符串

```
{
"error": "bad request",
"message": "workadd must have reason"
}
```

修改加班信息

PUT 服务器ip：服务器端口/api/v1.0/worker/workadds / workadd的id

```
`{

"workadd_reason": "just tkjf",
"workadd_start": "2016-10-1",
"workadd_end": "2016-10-2"
}
```

成功

```
{
"message": "you modify your workadd"
}
```

时间错误：

```
{
"error": "bad request",
"message": "the start latter than end"
}
```

管理操作

以下操作需要对应的权限

查看自己目前需要管理的申请的holidays

GET`服务器ip：服务器端口/api/v1.0/examine/holidays

`

下面字段含义和上面的一样

返回：

```
{
"holidays": [
{
"holiday_app_end": false,
"holiday_app_over": false,
"holiday_apply_ok": 0,
"holiday_apply_state": 2,
"holiday_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
"holiday_end_time": null,
"holiday_id": 6,
"holiday_reason": "just test",
"holiday_time_begin": "2016-10-01",
"holiday_time_end": "2016-10-22",
"holiday_type": 4,
"holiday_worker_id": "30132180xx"
},
{
"holiday_app_end": false,
"holiday_app_over": false,
"holiday_apply_ok": 0,
"holiday_apply_state": 2,
"holiday_apply_time": "Sat, 03 Dec 2016 00:00:00
GMT",
```

```
"holiday_end_time": null,
"holiday_id": 7,
"holiday_reason": "just test",
"holiday_time_begin": "2016-10-01",
"holiday_time_end": "2016-10-22",
"holiday_type": 4,
"holiday_worker_id": "30132180xx"
},
{
"holiday_app_end": true,
"holiday_app_over": true,
"holiday_apply_ok": 1,
"holiday_apply_state": 1,
"holiday_apply_time": null,
"holiday_end_time": null,
"holiday_id": 4,
"holiday_reason": "adsasdad",
"holiday_time_begin": "2016-11-09",
"holiday_time_end": "2016-11-12",
"holiday_type": 1,
"holiday_worker_id": "3013218077"
}
]
}
```

审批对应的申请holiday

PUT `服务器ip：服务器端口/api/v1.0/examine/holidays/holiday的id/check`

```
{
"holiday_ok": "-1"
}
```

返回：

成功：

```
{
"message": "examine ok"
}
```

已经审核了：

```
{
"error": "bad request",
"message": "holiday not in check"
}
```

管理一个已经取消

```
{
"error": "bad request",
"message": "cancel the holiday"
}
```

管理不存在的holiday

```
{
"error": "bad request",
"message": "don't exit the holiday"
}
```

管理一个不属于你现在管理的或者你没有权限管理的

```
{
"error": "bad request",
"message": "your can't examine the holidays"
```

```
}
```

审批对应的销假

PUT `服务器ip：服务器端口/api/v1.0/examine/holidays/holiday的id/over
`

```
{
"holiday_over": "1"
}
```

成功：

```
{
"message": "ok"
}
```

不存在的holiday：

```
{
"error": "bad request",
"message": "don't exit the holiday"
}
```

已经over的holiday：

```
{
"error": "bad request",
"message": "this holiday is over"
}
```

还有申请销假的holiday：

```
{
```

```
"error": "bad request",
"message": "holiday isn't over and wait to check
over"
}
```

没有权限去over的

```
{
"error": "bad request",
"message": "your can't examine the holidays"
}
```

查看自己需要审批的加班

GET 服务器ip：服务器端口/api/v1.0/examine/workadds

`

返回

```
{
"workadds": [
{
"workadd_add_state": 0,
"workadd_apply_time": "Wed, 30 Nov 2016 22:53:47
GMT",
"workadd_end_time": "Sun, 02 Oct 2016 00:00:00 GMT",
"workadd_id": 1,
"workadd_reason": "just haha",
"workadd_start_time": "Sat, 01 Oct 2016 00:00:00
GMT"
}
]
}
```

管理下属加班

PUT 服务器ip：服务器端口/api/v1.0/examine/workadds / 加班的id

`

```
{
"workadd_ok": "-1"
}
```

返回

    成功：

```
{
"message": "examine ok"
}
```

已经审批过的

```
{
"error": "bad request",
"message": "the workadd is examine over"
}
```

用户查看修改自己的信息

是在api/v1.0下面的

```
@api.route('/user/', methods=['PUT'])
    json_worker = request.json
    name = json_worker.get('worker_name')
    email = json_worker.get('worker_email')
    address = json_worker.get('worker_address')
    password = json_worker.get('worker_password')
    year_holidays_residue =
```

```
json_worker.get('worker_year_holidays_residue')
    year_holidays_used =
json_worker.get('worker_year_holidays_use')
    workAdd_time = json_worker.get('workAdd_time')

@api.route('/user/', methods=['GET'])
def get_worker_info():
    worker = g.current_user

    if worker is None:
        return bad_request('no exits the worker')

    return jsonify(worker.to_json())
```

admin

注意这是单独的另外一个url 比如127.0.0.1:5000/admin/xxxx

@admin_api.route('/holidays/')

search_begin = request.args.get('search_begin')

search_end = request.args.get('search_end')

worker_id = request.args.get('worker_id')

apply_ok = request.args.get('apply_ok')

apply_state = request.args.get('apply_state')

apply_over = request.args.get('apply_over')

apply_end = request.args.get('apply_end')

holiday_type = request.args.get('holiday_type')

@admin_api.route('/holidays/<int:id>/', methods='PUT')

holiday_end = json_holiday.get('holiday_end')

holiday_time*begin = json_holiday.get("holiday_time_begin")*

*holiday_time*end = json_holiday.get("holiday_time_end")

holiday_over = json_holiday.get('holiday_over')

holiday_reason = json_holiday.get('holiday_reason')

holiday_type = json_holiday.get('holiday_type')

holiday_state = json_holiday.get('holiday_state')

@admin_api.route('/workadds/')

search_begin = request.args.get('search_begin')

search_end = request.args.get('search_end')

worker_id = request.args.get('worker_id')

workadd_type = request.args.get('workadd_type')

workadd_state = request.args.get('workadd_state')

@admin_api.route('/workadds/<int:id>/', methods='PUT')

add_start = json_workadd.get('workadd_start')

add_end = json_workadd.get('workadd_end')

add_reason = json_workadd.get('workadd_reason')

add_type = json_workadd.get('workadd_type')

add_state = json_workadd.get('workadd_state')