平台对接API

前端，后端，py三端通讯

工具模块（开放在port=3304）（无需握手的，无需提供任何信息的，快速的ai-socket接口）

人脸识别(path=/face_predict)

- **socket-send**

  ```
  直接传一张图片二进制
  ```

- **socket-recieve**

  未检测完成，继续读取

  ```json
  {
      "user_id":"",
      "type":"face_predict",
      "hash":"a1dadafgdas3asd4s2sfad",

      "message":"continue"
  }
  ```

  为获取成功

  ```json
  {
      "user_id":"asdasd",
      "type":"face_predict",
      "hash":"a1dadafgdas3asd4s2sfad",

      "message":"success"
  }
  ```

  请求次数过多，进行完此次回复，服务器将会断开socket

  ```json
  {
      "user_id":"asdasd",
      "type":"face_predict",
      "hash":"a1dadafgdas3asd4s2sfad",

      "message":"fail"
  }
  ```

语音转文字(path=/stt)

- **socket-send**

```
1   直接传入音频二进制
```

- **socket-recieve**

```
1   "音频的文本"
```

语音转文字(path=/tts)

- **socket-send**

```
1   "要转换的文本"
```

- **socket-recieve**

```
1   音频二进制
```

流程（socket开放在port=444，http在port=10925）

首次连接（握手）(此握手在所有流程请求前是必要的)

- **post（后端此处要查询数据库，把所有用户信息（必要+基本）放到info，没有的填None）**

  文本形式

```
1   {
2       "user_id":"asdasd",
3       "type":"handshake",
4
5       //必要信息+基本信息
6       "info":{
7           "name":"a",
8           "age":18,
9           "birth":20250721,
10          ".....":"....."
11      },
12
13
14      "input":{
15          "type":"text",
16          "text":"我要办身份证"
17      }
18  }
```

  语音形式

```
1   {
```

```
 2       "user_id":"asdasd",
 3       "type":"handshake",
 4
 5       "info":{
 6           "name":"a",
 7           "age":18,
 8           "birth":20250721,
 9           ".....":"....."
10       },
11
12
13       "input":{
14           "type":"audio",
15           "media":"音频二进制格式"
16       }
17   }
```

- **response**

```
 1   {
 2       "user_id":"asdasd",
 3       "type":"handshake",
 4       "hash":"a1dadafgdas3asd4s2sfad",
 5
 6       "classify":"身份证",
 7       "flow":"办理身份证呢，需要先去寻找最近的政务大厅blablabla，然后带一寸照片blblbl"
 8   }
```

人脸录入

- **socket-send（handshake）握手**

```
 1   {
 2       user_id:"xiaofeng",      //用户id
 3       hash:"",                 //预留，可以不实现
 4       type:"face_train",
 5   }
```

- **socket-send**

```
 1   直接传图片二进制
```

- **socket-recieve**

  未检测完成，继续读取

```
1  {
2      "user_id":"xiaofeng",
3      "type":"face_train",
4      "hash":"a1dadafgdas3asd4s2sfad",
5
6      "message":"continue"
7  }
```

为录入成功

```
1  {
2      "user_id":"xiaofeng",
3      "type":"face_train",
4      "hash":"a1dadafgdas3asd4s2sfad",
5
6      "message":"success"
7  }
```

对话

- **socket-send（handshake）**

```
1  {
2      "user_id":"xiaofeng",
3      "type":"qna",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  }
```

- **socket-recieve（我们提问的环节）**

```
1  文本
```

无内容，即为提问结束

```
1
```

- **socket-send（用户回答的环节）**

```
1  文本
```

录入（询问完成时）（总结必要信息+基本信息，将output录入数据库）

- **post**

```
1  {
2      "user_id":"asdasd",
3      "type":"storage",
4      "hash":"a1dadafgdas3asd4s2sfad"
5  }
```

- **response**

```
1  {
2      "user_id":"asdasd",
3      "type":"storage",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  
6  
7      "output":{
8          "name":"xfgg",
9          "age":1234,
10         "gender":"men",
11         ".....":"....."
12     }
13 }
```

总结呈现（仅前端）

- **post**

```
1  {
2      "user_id":"asdasd",
3      "type":"summary",
4      "hash":"a1dadafgdas3asd4s2sfad"
5  }
```

- **response**

```
1  {
2      "user_id":"asdasd",
3      "type":"summary",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  
6  
7      "output":{
8          //对于这个tables，写成header和row你们更方便吗？如果方便我就改
9          "tables":[
10             {
11                 "name":"xfgg",
12                 "age":1234,
13                 "gender":"men",
14                 ".....":"....."
15             },
16             {},
17             {},
18             "......"
19         ],
20  
21         "classify":"身份证/户口本",
22         "flow":"办理身份证呢，需要先去寻找最近的政务大厅blablabla，然后带一寸照片blblbl"
23     }
24  
```

```
25
26  }
```

<mark>特别的响应！！！！</mark>（仅http）

当请求正在处理中，请过几秒再请求

- **response**

```
1  {
2      "user_id":"asdasd",
3      "type":"processing",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  }
```

服务器繁忙

- **response**

```
1  {
2      "user_id":"asdasd",
3      "type":"busy",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  }
```

数据有误/用户尚未握手/流程有误

- **response**

```
1  {
2      "user_id":"asdasd",
3      "type":"error",
4      "hash":"a1dadafgdas3asd4s2sfad",
5  }
```

数据库

- **必要信息**

```
1  {
2      "name":"英锐gg",
3      "gender":"男",
4      "nationality":"汉",
5      "phone":"12345678901",
6      "id_card":"440209200601018080"
7  }
```

- **基本信息(初始留空)**

```json
{
    "native_place":"广州",
    "birth":"2025年8月13日",
    "email":"10925508@qq.com",
    "career":"炼丹师",
    "address":"广东省广州市番禺区广东工业大学西二-803",
    "hukou":"广州市天河区",
    "political_status":"党员",
    "marital_status":true,
    "religion":"伊斯兰教/基督教/无",
    "education":"本科"
}
```