## 1.用户登录接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/login?email=param1&password=param2 |
| Sample URL | http://localhost:8080/SunshineAirlines/login?email=behappy@vip.sina.com&password=123456 |
| Method | POST |
| URL Params | param1: email(邮箱)  param2: password(密码) |
| Success Response | {  "data": {  "DateOfBirth": "1988-06-06",  "Email": "behappy@vip.sina.com",  "Address": "",  "UserId": 1,  "FirstName": "Mag",  "Phone": "13087666556",  "LastName": "Lydia",  "Gender": "M",  "RoleId": 1,  "Password": "123456"  },  "flag": "success"  }  {  "data": "邮箱不存在",  "flag": "fail"  }  {  "data": "密码错误",  "flag": "fail"  } |
| 备注： | "DateOfBirth": "生日",  "Email": "邮箱",  "Address": 地址,  "UserId":  用户id,  "FirstName": "名",  "Phone": "手机号",  "Photo": "照片",  "LastName": "姓",  "Gender": "性别：M-男，F-女",  "RoleId": 角色 1-员工，2-管理员  "Password": "密码", |

## 2.用户查询接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/userList?roleId=param1&name=param2&startPage=param3&pageSize=param4 |
| Sample URL | http://localhost:8080/SunshineAirlines/userList?roleId=2&name=So&startPage=0&pageSize=10 |
| Method | POST |
| URL Params | param1: roleId(角色Id，1是员工，2是管理员)  param2: name(根据用户的名字进行模糊搜索)  param3: startPage (开始页码)  param4: pageSize (每页录条数,默认10) |
| Success Response | {  "data": [{  "DateOfBirth": "1997-03-03",  "Email": "xianhr@pub.zhaopin.com.cn",  "Address": "",  "UserId": 75,  "FirstName": "Alec",  "Phone": "",  "LastName": "Sophia",  "Gender": "M",  "RoleId": 2,  "Password": "xianhr"  }],  "flag": "success",  "page": {  "startPage": 0,  "pageSize": 10,  "total": 1  }  } |
| 备注： | "DateOfBirth": "生日",  "Email": "邮箱",  "Address": 地址,  "UserId": 用户Id  "FirstName": "名",  "Phone": "手机号,  "Photo": "照片",  "LastName": "姓",  "Gender": "性别：M-男，F-女",  "RoleId": 角色 1-员工，2-管理员,  "Password": "密码", |

## 3.用户增加接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/addUser?roleId=param1&email=param2&firstName=param3&lastName=param4&gender=param5&dateOfBirth=param6&phone=param7&photo=param8&address=param9 |
| Sample URL | http://localhost:8080/SunshineAirlines/addUser?roleId=1&email=jack@126.com&firstName=alex&lastName=snos&gender=F&dateOfBirth=1988-01-01&phone=13800138000&photo=alexphoto&address= wuhan |
| Method | POST |
| URL Params | roleId：角色id  email：邮箱  firstName：名  lastName：姓  gender: 用户性别--M 男、F 女  dateOfBirth：生日  phone手机号  photo:照片  address: 地址 |
| Success Response | {  "flag": "success"  }  {  "data": "邮箱重复",  "flag": "fail"  } |

## 4.用户更新接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/updateUser?userId=Param1&roleId=param2&email=param3&firstName=param4&lastName=param5&gender=param6&dateOfBirth=param7&phone=param8&photo=param9&address=param10 |
| Sample URL | http://localhost:8080/SunshineAirlines/updateUser?userId=102&roleId=1&email=jack1@126.com&firstName=alex&lastName=snos&gender=F&dateOfBirth=1988-01-01&phone=13800138000&photo=alexphoto&address=wuhan |
| Method | POST |
| URL Params | userId: 用户id  roleId：角色id  email ：邮箱  firstName ：名  lastName ：姓  gender: 用户性别--M 男、F 女  dateOfBirth：生日  phone手机号  photo 照片  address: 用户地址 |
| Success Response | {  "flag": "success"  }  {  "data": "邮箱重复",  "flag": "fail"  }  {  "data": "用户信息不存在",  "flag": "fail"  } |

## 5.获取用户信息（根据用户id）接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getUserInfo?userId=Param1 |
| Sample URL | http://localhost:8080/SunshineAirlines/getUserInfo?userId=1 |
| Method | POST |
| URL Params | param1: userId(用户id) |
| Success Response | {  "data": {  "DateOfBirth": "1988-06-06",  "Email": "behappy@vip.sina.com",  "Address": "",  "UserId": 1,  "FirstName": "Mag",  "Phone": "13087666556",  "LastName": "Lydia",  "Gender": "M",  "RoleId": 1,  "Password": "123456"  },  "flag": "success"  }  {  "data": "用户信息不存在",  "flag": "fail"  } |
| 备注： | "DateOfBirth": "生日",  "Email": "邮箱",  "Address": 地址,  "UserId":  用户id,  "FirstName": "名",  "Phone": "手机号",  "Photo": "照片",  "LastName": "姓",  "Gender": "性别：M-男，F-女",  "RoleId": 角色 1-员工，2-管理员  "Password": "密码", |

## 6.城市查询接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getCityNames |
| Sample URL | http://localhost:8080/SunshineAirlines/getCityNames |
| Method | POST |
| URL Params | / |
| Success Response | {  "data": [{  "CityCode": "ABV",  "CityName": "Abuja",  "CountryCode": "NGA"  }, {  "CityCode": "WLG",  "CityName": "Wellington",  "CountryCode": "NZ"  }],  "flag": "success"  } |
| 备注： | CityCode：城市代码  CityName：城市名  CountyCode：国家代码 |

## 7.航班状态查询（根据出发日期）：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getFlightStatus?departureDate=Param1&startPage=Param2&pageSize=Param3 |
| Sample URL | http://localhost:8080/SunshineAirlines/getFlightStatus?departureDate=2019-08-16&startPage=1&pageSize=10 |
| Method | POST |
| URL Params | Param1: departureDate(出发日期)  Param2: startPage(开始页码)  param3: pageSize (每页录条数,默认10) |
| Success Response | {  "data": [{  "ArriveCityName": "Beijing",  "DepartCityName": "Los Angeles",  "DepartCityCode": "LAX",  "FlightNumber": "106",  "EconomyPrice": 1682.00,  "Gate": "C09",  "Time": "10:35:00",  "ArriveCityCode": "PEK",  "ScheduleId": 316,  "ActualArrivalTime": "2019-08-16 14:45:00",  "Date": "2019-08-16 10:35:00",  "FlightTime": 250  }],  "flag": "success",  "page": {  "startPage": 1,  "pageSize": 10,  "total": 19  }  }  {  "flag": "fail"  } |
| 备注： | "Date": "起飞日期",  "Time": "起飞时间",  "ActualArrivalTime": "实际到达时间",  "FlightTime": "飞行时间",  "DepartCityName": "出发城市名",  "DepartCityCode": "出发城市代码",  "ArriveCityName": "到达城市名",  "ArriveCityCode": "到达城市代码"  "FlightNumber": "航班号",  "EconomyPrice": "经济舱价格",  “Gate": "登机口",  "ScheduleId": "航班计划id", |

## 8.航班计划查询（管理员）接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getSchedule?fromCity=Param1&toCity=Param2&startDate=Param3&endDate=Param4 |
| Sample URL | http://localhost:8080/SunshineAirlines/getSchedule?fromCity=Beijing&toCity=Hong Kong&startDate=2019-08-06&endDate=2019-09-06 |
| Method | POST |
| URL Params | Param1: fromCity(出发地)  Param2: toCity(目的地)  Param3: startDate(开始时间)  Param4: endDate(结束时间) |
| Success Response | {  "data": [{  "Status": "Canceled",  "ArriveCityName": "Hong Kong",  "DepartCityName": "Beijing",  "DepartCityCode": "PEK",  "Gate": "G33",  "Time": "08:00:00",  "ArriveCityCode": "HKG",  "ScheduleId": 1,  "Date": "2019-08-06 08:00:00",  "FlightTime": 95,  "Name": "Boeing 737-800",  "FlightNumber": "101",  "EconomyPrice": 2027.00  }],  "flag": "success"  }  {  "flag": "fail"  } |
| 备注： | "Date": "起飞日期",  "Time": "起飞时间",  "Gate": "登机口",  "FlightTime": "飞行时间",  "FlightNumber": "航班号",  "Name": "机型",  "EconomyPrice": "经济舱价格",  "DepartCityName": "出发城市",  "DepartCityCode": "出发城市代码",  "ArriveCityName": "到达城市",  "ArriveCityCode": "到达城市代码",  "ScheduleId": "航班计划Id",  "Status": "Confirmed"--航班计划状态Confirmed确认，Canceled取消 |

## 9.航班计划状态修改接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/updateSchedule?scheduleId=Param1&status=Param2 |
| Sample URL | http://localhost:8080/SunshineAirlines/updateSchedule?scheduleId=1&status=Canceled |
| Method | POST |
| URL Params | Param1: scheduleId(航班计划id)  Param2: status(航班状态)--Confirmed、Canceled |
| Success Response | {  "flag": "success"  }  {  "data": "航班计划不存在",  "flag": "fail"  } |

## 10.机票售出详情（根据航班计划id）接口：

|  |  |
| --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getScheduleDetail?scheduleId=Param1 |
| Sample URL | http://localhost:8080/SunshineAirlines/getScheduleDetail?scheduleId=23 |
| Method | POST |
| URL Params | param1: scheduleId(航班计划id) |
| Success Response | {  "flag": "success",  "data": [{  "ListSchedule": [{  "Status": "Confirmed",  "AircraftId": 1,  "FirstSeatsLayout": "2\*4\r\n",  "FirstSeatsAmount": 8,  "BusinessSeatsLayout": "10\*6\r\n",  "BusinessSeatsAmount": 60,  "EconomySeatsLayout": "20\*6\r\n",  "EconomySeatsAmount": 120  "Date": "2019-08-28 08:00:00",  "Time": "08:00:00",  "Gate": "G33",  "FlightTime": 95,  "Name": "Boeing 737-800",  "FlightNumber": "101",  "RouteId": 1,  "ScheduleId": 23,  "EconomyPrice": 878.00,  "Distance": 1900,  "ArrivalAirportIATA": "HKG",  "DepartureAirportIATA": "PEK",  }],  "ListTickets": [{  "CabinTypeId": 1,  "Counts": 28,  "CabinTypeName": "Economy",  "ScheduleId": 23  }],  "ListSeat": [{  "CabinTypeId": 3,  "ColumnName": "A",  "RowNumber": 1,  "AircraftId": 1  }],  "ListSeatLayout": [{  "CabinTypeId": 3,  "ColumnName": "A",  "RowNumber": 1,  "AircraftId": 1,  "Id": 1  }]  }]  }  {  "data": "航班计划不存在",  "flag": "fail"  } |
| 备注： | **ListSchedule 航班计划信息**  "Status": "航班计划状态Confirmed确认，Canceled取消",  "AircraftId": 机型, 1--Boeing 737-800、2--Airbus 319  "FirstSeatsLayout": "头等舱布局",  "FirstSeatsAmount": 头等舱座位数,  "BusinessSeatsLayout": "商务舱布局",  "BusinessSeatsAmount": 商务舱座位数,  "EconomySeatsLayout": "经济舱布局",  "EconomySeatsAmount": 经济舱座位数  "Date": "起飞日期",  "Time": "起飞时间",  "Gate": "登机口",  "FlightTime": 飞机时间,  "Name": 机型名",  "FlightNumber": "航班号",  "RouteId": 航线id,  "ScheduleId": 航班计划id,  "EconomyPrice": 经济舱价格,  "Distance": 航线距离,  "ArrivalAirportIATA": "到达机场代码",  "DepartureAirportIATA": "出发机场代码"  **ListSchedule 航班票务信息**  "Counts": 已售票数  "CabinTypeName": 舱位类型名  "ScheduleId": 航班计划id  "CabinTypeId": 舱位类型 1-经济舱，2-商务舱，3-头等舱  **ListSeat 航班座位信息（该航班已经预定出去的座位信息）**  "ColumnName": "座位列名",  "RowNumber": 座位排  "AircraftId": 机型编号,1--Boeing 737-800，2--Airbus 319,  "CabinTypeId": 舱位类型 1-经济舱，2-商务舱，3-头等舱  **ListSeatLayout 航班座位布局信息（该航班机型对应的座位信息）**  **Boeing 737-800 座位编号从1-188**  **Airbus 319 座位编号从189-350**  "CabinTypeId": 舱位类型,1--经济舱，2--商务舱，3--头等舱  "ColumnName": "座位列名”  "RowNumber": “座位排”  "AircraftId": 机型编号,1--Boeing 737-800，2--Airbus 319  "Id": 座位编号 |

## 11.航班计划查询（员工）接口：

|  |  |  |
| --- | --- | --- |
| URL | http://localhost:8080/SunshineAirlines/getSearchFlight?fromCity=Param1&toCity=Param2&departureDate=Param3&cabinType=Param4&flightType=Param5 | |
| Sample1 URL | 无中转  http://localhost:8080/SunshineAirlines/getSearchFlight?fromCity=Beijing&toCity=Hong Kong&departureDate=2019-08-29&cabinType=3&flightType=Non-stop | |
| Sample2 URL | 有中转  http://localhost:8080/SunshineAirlines/getSearchFlight?fromCity=Rome&toCity=Shanghai&departureDate=2019-08-29&cabinType=3&flightType=1-stop | |
| Method | POST | |
| URL Params | Param1: fromCity(出发地)  Param2: toCity(目的地)  Param3: departureDate(出发日期)  Param4: cabinType(舱位类型)--1 Economy、2 Business、3 First  Param5: flightType(航班类型)--All全部、Non-stop直达、1-stop中转1次 | |
| Success Response | 无中转  {  "flag": "success",  "data": [{  "ArriveCityName": "Hong Kong",  "DepartCityName": "Beijing",  "DepartCityCode": "PEK",  "ResidueTickets": 6,  "BusinessSeatsAmount": 60,  "Time": "08:00:00",  "ArriveCityCode": "HKG",  "ScheduleId": 24,  "Date": "2019-08-29 08:00:00",  "FlightTime": 95,  "AllCount": 23,  "PreArrivalTime":"2019-08-29 09:35:00",  "FirstSeatsAmount": 8,  "DelayCount": 4,  "FlightNumber": "101",  "EconomyPrice": 2792.00,  "FlightType": "Non-stop",  "EconomySeatsAmount": 120,  "NotDelay": 19  }]  }  {  "flag": "fail"  } | 有中转  {  "flag": "success",  "data": [{  "FlightType": "1-stop",  "S1Date":"2019-08-29 07:00:00",  "S1Time": "07:00:00",  "S1FlightNumber": "161",  "S1FlightTime": 400,  "S1ResidueTickets": 8,  "S1AllCount": "14",  "S1DelayCount": "7",  "S1NotDelay": "11",  "S1FirstSeatsAmount": 8,  "S1BusinessSeatsAmount": 60,  "S1EconomySeatsAmount": 120,  "S1EconomyPrice": 3055.00,  "S1PreArrivalTime":"2019-08-29 13:40:00",  "S1DepartCityName": "Rome",  "S1DepartCityCode": "ROM",  "S1ArriveCityName": "Hong Kong",  "S1ArriveCityCode": "HKG",  "S1ScheduleId": 2265,  "S2Date":"2019-08-29 16:00:00",  "S2Time": "16:00:00",  "S2FlightNumber": "162",  "S2FlightTime": 300,  "S2ResidueTickets": 12,  "S2AllCount": "14",  "S2DelayCount": "3",  "S2NotDelay": "11"  "S2FirstSeatsAmount": 12,  "S2BusinessSeatsAmount": 60,  "S2EconomySeatsAmount": 90,  "S2EconomyPrice": 1081.00,  "S2PreArrivalTime":"2019-08-29 21:00:00",  "S2DepartCityName": "Hong Kong",  "S2DepartCityCode": "HKG",  "S2ArriveCityName": "Shanghai",  "S2ArriveCityCode": "SHA",  "S2ScheduleId": 2330  }]  }  {  "flag": "fail"  } |
| 备注： | "FlightType": "飞行类型" --直达Non-stop，中转1-stop,  “Date": "起飞日期"  "Time": "起飞时间",  "FlightNumber": "航班号",  "FlightTime": 飞行时间,  "ResidueTickets": 余票,  "Allcount": 30 天内该航班实际执行的航班数量,  "Delaycount": 30 天内该航班延误的航班数量,  "Notdelay": 30 天内该航班没有延误的航班数量,  "FirstSeatsAmount": 头等舱座位数,  "BusinessSeatsAmount": 商务舱座位数,  "EconomySeatsAmount": 经济舱座位数  "EconomyPrice": 经济舱价格,  "PreArrivalTime": 计划到达时间,  "DepartCityName": "出发城市名",  "DepartCityCode": "出发城市代码",  "ArriveCityName": "到达城市名",  "ArriveCityCode": 到达城市代码,  "ScheduleId": 航班计划Id | "FlightType": "飞行类型" --直达Non-stop，中转1-stop,  "S1Date": 行程1起飞日期  "S1Time": "行程1起飞时间",  "S1FlightNumber": "行程1航班号",  "S1FlightTime": 行程1飞行时间,  "S1ResidueTickets": 行程1余票,  "S1AllCount": "行程1，30 天内该航班实际执行的航班数量",  "S1DelayCount": "行程1，30 天内该航班延误的航班数量",  "S1NotDelay": "行程1，30 天内该航班没有延误的航班数量",  "S1FirstSeatsAmount": 行程1头等舱座位数,  "S1BusinessSeatsAmount": 行程1商务座数量,  "S1EconomySeatsAmount": 行程1经济舱座位数,  "S1EconomyPrice": 行程1经济舱价格,  "S1PreArrivalTime": 行程1计划到达时间,  "S1DepartCityName": "行程1出发城市名",  "S1DepartCityCode": "行程1出发城市代码",  "S1ArriveCityName": "行程1到达城市名",  "S1ArriveCityCode": "行程1到达城市代码",  "S1ScheduleId": 行程1航班计划id,  "S2Date": 行程2起飞日期,  "S2Time": "行程2起飞时间",  "S2FlightNumber": "行程2航班号,  "S2FlightTime": 行程2飞行时间,  "S2ResidueTickets": 行程2余票,  "S2AllCount": "行程2，30 天内该航班实际执行的航班数量",  "S2DelayCount": "行程2，30 天内该航班延误的航班数量",  "S2NotDelay": "行程2，30 天内该航班没有延误的航班数量"  "S2FirstSeatsAmount": 行程2头等舱座位数,  "S2BusinessSeatsAmount": 行程2商务座数量,  "S2EconomySeatsAmount": 行程2经济舱座位数,  "S2EconomyPrice": 行程2经济舱价格,  "S2PreArrivalTime": 行程2计划到达时间,  "S2DepartCityName": "行程2出发城市名",  "S2DepartCityCode": "行程2出发城市代码",  "S2ArriveCityName": "行程2到达城市名",  "S2ArriveCityCode": 行程2到达城市代码,  "S2ScheduleId": 行程2航班计划id |