**TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN**

**Khoa Công nghệ thông tin**

**Lớp CCNMTPTPM\_16\_17\_HK1\_TH2013/03**

( ***Khoá học 2016 – 2017*** )



**MÔ TẢ CÁC API**

*ĐỀ TÀI*

**Hệ Thống Đặt Vé Máy Bay**

***Sinh viên thực hiện:***

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***Tháng 10 năm 2016***

# **Lấy danh sách tên sân bay:**

|  |  |
| --- | --- |
| Title | Trả về danh sách tên sân bay |
| URL | /api/airports |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805e28b4a17090ff844a807",  "\_maNoiDi": "SGN",  "\_tenNoiDi": "SAI GON",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/airports', function(req, res){  Airport.getAirports(function(err, airports) {  if(err){  throw err;  }  res.json(airports);  });  }); |
| Notes |  |

# **Thêm tên sân bay:**

|  |  |
| --- | --- |
| Title | Thên tên sân bay |
| URL | /api/airports |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_\_v": 0,  "\_maNoiDi": "HAN",  "\_tenNoiDi": "HA NOI",  "\_id": "5806b7c27743e31144b7272e"  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/airports', function(req, res){  var airport = req.body;  Airport.addAirports(airport, function(err, airport) {  if(err){  throw err;  }  res.json(airport);  });  }); |
| Notes |  |

# **Lấy danh sách các chuyến bay:**

|  |  |
| --- | --- |
| Title | Lấy danh sách các chuyến bay |
| URL | /api/flights |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805dc1668a68e0f9c5d8920",  "\_ma": "BL326",  "\_noiDi": "SGN",  "\_noiDen": "TBB",  "\_ngay": "2016-10-05",  "\_gio": "08:45",  "\_hang": "Y",  "\_mucGia": "E",  "\_soLuongGhe": "100",  "\_giaBan": "100000",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/flights', function(req, res){  Flight.getFlights(function(err, flights) {  if(err){  throw err;  }  res.json(flights);  });  }); |
| Notes |  |

# **Lấy danh sách chuyến bay theo mã nơi đi:**

|  |  |
| --- | --- |
| Title | Lấy danh sách chuyến bay theo mã nơi đi |
| URL | /api/flights/\_noidi |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805dc1668a68e0f9c5d8920",  "\_ma": "BL326",  "\_noiDi": "SGN",  "\_noiDen": "TBB",  "\_ngay": "2016-10-05",  "\_gio": "08:45",  "\_hang": "Y",  "\_mucGia": "E",  "\_soLuongGhe": "100",  "\_giaBan": "100000",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/flights/:\_noiDi', function(req, res){  Flight.getFlightById(req.params.\_noiDi, function(err, flights) {  if(err){  throw err;  }  res.json(flights);  });  }); |
| Notes |  |

# **Thêm chuyến bay:**

|  |  |
| --- | --- |
| Title | Thêm chuyến bay |
| URL | /api/flights |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805dc1668a68e0f9c5d8920",  "\_ma": "BL326",  "\_noiDi": "SGN",  "\_noiDen": "TBB",  "\_ngay": "2016-10-05",  "\_gio": "08:45",  "\_hang": "Y",  "\_mucGia": "E",  "\_soLuongGhe": "100",  "\_giaBan": "100000",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/flights', function(req, res){  var flight = req.body;  Flight.addFlight(flight, function(err, flight) {  if(err){  throw err;  }  res.json(flight);  });  }); |
| Notes |  |

# **Lấy danh sách đặt chỗ:**

|  |  |
| --- | --- |
| Title | Lấy danh sách đặt chỗ |
| URL | /api/bookings |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/bookings', function(req, res){  Booking.getBookings(function(err, booking) {  if(err){  throw err;  }  res.json(booking);  });  }); |
| Notes |  |

# **Thêm đặt chỗ:**

|  |  |
| --- | --- |
| Title | Thêm đặt chỗ |
| URL | /api/flights |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/bookings', function(req, res){  var booking = req.body;  Booking.addBooking(booking, function(err, booking) {  if(err){  throw err;  }  res.json(booking);  });  }); |
| Notes |  |

# **Liệt kê danh sách mã đặt chỗ:**

|  |  |
| --- | --- |
| Title | Liệt kê danh sách đặt chỗ |
| URL | /api/bookings/\_maDatCho |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/bookings', function(req, res){  Booking.getBookings(function(err, booking) {  if(err){  throw err;  }  res.json(booking);  });  }); |
| Notes |  |

# **Thêm mã đặt chỗ:**

|  |  |
| --- | --- |
| Title | Thêm mã đặt chỗ |
| URL | /api/bookings |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/bookings', function(req, res){  var booking = req.body;  Booking.addBooking(booking, function(err, booking) {  if(err){  throw err;  }  res.json(booking);  });  }); |
| Notes |  |

# **Liệt kê chi tiết chuyến bay:**

|  |  |
| --- | --- |
| Title | Liệt kê danh sách đặt chỗ |
| URL | /api/flightdetails |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805da4568a68e0f9c5d891d",  "\_maDatCho": "ABCXYZ",  "\_maChuyenBay": "BL327",  "\_ngay": "2016-10-06",  "\_hang": "Y",  "\_mucGia": "E",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/flightdetails', function(req, res){  FlightDetail.getFlightDetail(function(err, flightdetail) {  if(err){  throw err;  }  res.json(flightdetail);  });  }); |
| Notes |  |

# **Thêm chi tiết chuyến bay:**

|  |  |
| --- | --- |
| Title | Thêm mã đặt chỗ |
| URL | /api/flightdetails |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/flightdetails', function(req, res){  var flightdetail = req.body;  FlightDetail.addFlightDetail(flightdetail, function(err, flightdetail) {  if(err){  throw err;  }  res.json(flightdetail);  });  }); |
| Notes |  |

# **Tìm chi tiết chuyến bay theo mã đặt chỗ:**

|  |  |
| --- | --- |
| Title | Liệt kê chi tiết chuyến bay theo mã đặt chỗ |
| URL | /api/flightdetails/\_maDatCho |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805da4568a68e0f9c5d891d",  "\_maDatCho": "ABCXYZ",  "\_maChuyenBay": "BL327",  "\_ngay": "2016-10-06",  "\_hang": "Y",  "\_mucGia": "E",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/flightdetails/:\_maDatCho', function(req, res){  FlightDetail.getFlightDetailById(req.params.\_maDatCho, function(err, flightdetails) {  if(err){  throw err;  }  res.json(flightdetails);  });  }); |
| Notes |  |

# **Liệt kê danh sách khách hàng:**

|  |  |
| --- | --- |
| Title | Liệt kê danh sách khách hàng |
| URL | /api/passengers |
| Method | GET |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805d95f68a68e0f9c5d891b",  "\_maDatCho": "ABCXYZ",  "\_danhXung": "MR",  "\_ho": "NGUYEN",  "\_ten": "VAN A",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.get('/api/passengers', function(req, res){  Passenger.getPassengers(function(err, passengers) {  if(err){  throw err;  }  res.json(passengers);  });  }); |
| Notes |  |

# **Thêm khách hàng:**

|  |  |
| --- | --- |
| Title | Thêm mã đặt chỗ |
| URL | /api/passengers |
| Method | POST |
| URL Params |  |
| Data Params | none |
| Success Response | Code: 200  Content:  [  {  "\_id": "5805db2268a68e0f9c5d891f",  "\_maDatCho": "ABCXYZ",  "\_thoiGianDatCho": "2016-05-01 10:00:00",  "\_tongTien": "400000",  "\_trangThai": "1",  "\_\_v": 0  }  ] |
| Error Response | Code: 404 Not Found |
| Sample Call | app.post('/api/passengers', function(req, res){  var passenger = req.body;  Passenger.addPassenger(passenger, function(err, passenger) {  if(err){  throw err;  }  res.json(passenger);  });  }); |
| Notes |  |