**Search Application API Specification**

1. **User Registration**

API Details:

|  |  |  |
| --- | --- | --- |
| **URL** | **Method** | **Description** |
| https://localhost:7240/api/User/Register | POST | Api to register new user |

Request Headers:

|  |  |
| --- | --- |
| **Header Name** | **Value** |
| Content Type | application/json |
| Authorization | Allow Anonymous |

Request Payload:

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Type** | **Required** |
| Email | string | Yes |
| Password | string | Yes |
| Address | string | No |

Request/Response:

|  |  |
| --- | --- |
| **Request** | **Response** |
| {    "email": "x@y.com",    "password": "xyz123",    "address": "UK"  } | {      "result": {          "id": 3,          "email": "x@y.com",          "address": "UK"      },      "Message": "User registered successfully. Please login to continue."  } |

1. **User Login**

API Details:

|  |  |  |
| --- | --- | --- |
| **URL** | **Method** | **Description** |
| https://localhost:7240/api/User/Login | POST | Api to user login and getting access token for calling other API’s |

Request Headers:

|  |  |
| --- | --- |
| **Header Name** | **Value** |
| Content Type | application/json |
| Authorization | Allow Anonymous |

Request Payload:

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Type** | **Required** |
| Email | string | Yes |
| Password | string | Yes |

Request/Response:

|  |  |
| --- | --- |
| **Request** | **Response** |
| {      "email": "c@d.com",      "password": "def@123"  } | {      "userId": 2,      "accessToken": "eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJJZCI6IjI0YzA1NGQ2LTQxODUtNGZmMC05ZDlmLTIyMmQ3OWRjNmJjNCIsInN1YiI6ImNAZC5jb20iLCJlbWFpbCI6ImNAZC5jb20iLCJqdGkiOiJlMmIwOTU1Ny1kMGM4LTQ5MDctOTM2Ny0xNWUxMmY2ZDdkZjMiLCJuYmYiOjE3MDczMTU1MzYsImV4cCI6MTcwNzMxNTgzNiwiaWF0IjoxNzA3MzE1NTM2LCJpc3MiOiJodHRwczovL2xvY2FsaG9zdDo3MjQwIiwiYXVkIjoiaHR0cHM6Ly9sb2NhbGhvc3Q6NzI0MCJ9.JZc7HtgzeAAYzVYQ-ZLX2Hh-jj3M1TgkRmUecTQU0GNY8\_KKILE7OklMiay6fC3eWIUPhCNkJf0cEjZD8Nc2aQ"  } |

1. **Flight Search**

API Details:

|  |  |  |
| --- | --- | --- |
| **URL** | **Method** | **Description** |
| https://localhost:7240/api/Search/FlightDetails | GET | Api for getting the flight details |

Request Headers:

|  |  |
| --- | --- |
| **Header Name** | **Value** |
| Content Type | application/json |
| Authorization | Bearer **[Token]** |

URI Request:

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Type** | **Required** |
| Name | string | No |
| PriceFrom | int | No |
| PriceTo | int | No |
| Date | string | No |
| Source | string | No |
| Destination | string | No |

Note: Date format supported is **MM/dd/yyyy.**

Request/Response:

|  |  |
| --- | --- |
| **Request** | **Response** |
| NA | [      {          "name": "SpiceJet",          "source": "UK",          "destination": "Singapore",          "schedule": "2024-09-02T00:00:00",          "price": 5000      }  ] |

1. **User Search History**

API Details:

|  |  |  |
| --- | --- | --- |
| **URL** | **Method** | **Description** |
| https://localhost:7240/api/Search/UserSearchHistory | GET | Api for getting user search history |

Request Headers:

|  |  |
| --- | --- |
| **Header Name** | **Value** |
| Content Type | application/json |
| Authorization | Bearer **[Token]** |

URI Request:

**NA**

Request/Response:

|  |  |
| --- | --- |
| **Request** | **Response** |
| NA | [      {          "name": "SpiceJet",          "source": "UK",          "destination": "Singapore",          "schedule": "2024-09-02T00:00:00",          "price": 5000      },      {          "name": "Jet Airways",          "source": "UK",          "destination": "Malaysia",          "schedule": "2024-05-25T00:00:00",          "price": 25000      }  ] |