API Documentation

*Relative paths for URL are used

GET **/login**

Logs in users by submitting login info in exchange for a JSON Web Token using JWT. This token will be used to authenticate all logged in user requests.

Parameters:

 Username: String

 Password: String

Example Response:

 [{

  "Token": {

    {"alg": HS256, "type": JWT},

    {"username": bob, "password": bob1234, "type": client/manager},

    {HMACSHA256(

      base64UrlEncode(header) + "." +

      base64UrlEncode(payload),

      256-bit-secret

)}

  }

 }]

POST **/register**

Registers new users by submitting new user information to database if entry does not conflict with existing primary keys.

Parameters:

Username: String

Password: String

Email: String

Response:

[{}]

GET **/profile**

Fetches and displays a user's basic information on their profile. Logged in feature, requires token.

Parameters:

Token: {String}

Response:

[{

"DisplayName": String,

"DisplayEmail": String

}]

GET **/profile/flights**

Fetches and displays flights the user has booked. Logged in feature, requires token.

Parameters:

Token: {String}

Response:

[{

"FlightList": [{String}]

}]

POST **/profile/flights**

Adds new flight to user's flights list. Logged in feature, requires token.

Parameters:

"Token": {String}

"ArrivalAirport": String

"DepartureAirport": String

"FlightTime": String,

"AvailableSeats": int,

"Date": data,

"Price": float,

"AirRoute": {String},

"ID": int

Response:

[{}]

DELETE **/profile/flights**

Deletes a flight the user has booked. Returns flight list with flight deleted. Logged in feature, requires token.

Parameters:

Token: {String}

"FlightID": int

Response:

[{

"FlightList": [{String}]

}]

GET **/profile/searches**

Fetches and displays user's previous search results. Logged in feature, requires token.

Parameters:

Token: {String}

Response:

[{

"PrevSearches": [{String}],

}]

PUT **/profile**

Updates user's profile (password, email) based on user input. Returns profile with new fields. Logged in feature, requires token.

Parameter:

Token: {String}

NewPassword: String

NewEmail: String

Response:

[{

"DisplayName": String,

"DisplayEmail": String

}]

DELETE **/profile**

Deletes a user's account. Logged in feature, requires token.

Parameter:

Token: {String}

Response:

[{}]

GET **/connection**

Fetches and displays all connections belonging to a flight manager. Logged in feature, requires token.

Parameter:

"Token": {String}

Response:

[{

"ConnectionList": [{String}]

}]

PUT **/connection**

Changes a specific connection's parameters belonging to a flight manager. Returns updated connections list with updated flight information. Logged in feature, requires token.

Parameter:

"Token": {String}

"ArrivalAirport": String

"DepartureAirport": String

"FlightTime": String,

"AvailableSeats": int,

"Date": data,

"Price": float,

"AirRoute": {String}

Response:

[{

"ConnectionList": [{String}]}]

DELETE **/connection**

Deletes a specific connection belonging to a flight manager. Returns updated connections list with flight deleted. Logged in feature, requires token.

Parameter:

"Token": {String}

Response:

[{

"ConnectionList": [{String}]

}]

POST **/connection**

Adds a new flight connection to a flight manager. Returns the new connection list with the new flight added. Logged in feature, requires token.

Parameter:

"Token": {String}

"ArrivalAirport": String

"DepartureAirport": String

"FlightTime": String,

"AvailableSeats": int,

"Date": data,

"Price": float,

"AirRoute": {String},

"ID": int

Response:

[{

"ConnectionList": [{String}]

}]

GET **/search**

Performs a search based on specific query selections. Returns a list of matching flight connections. Logged in feature, requires token.

Parameter:

"Token": {String}

"ArrivalAirport": String

"DepartureAirport": String

"FlightTime": String,

"AvailableSeats": int,

"Date": data,

"Price": float,

"AirRoute": {String},

"FlightID": int,

"Hotel": Boolean,

"Distance": float

Response:

[{

"ConnectionList": [{String}]

}]

PUT **/signout**

Logs out users by deleting JSON token used for the session. Logged in feature, requires token.

Parameters:

Token: {String}

Response:

[{}]