**Main URL:**

http://coms-309-052.class.las.iastate.edu:8080

**Analytics:**

**Get Entire List of Analytics (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/analytics

**Get Specific Analytic (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/analytics/{id}

**Create an Analytic Point (POST):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/analytics

**Update an Analytic Point (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/analytics/{id}

**Delete an Analytic Point (DELETE):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/analytic/{id}

**JSON Example:**

{

"date": "10/04/2023",

"birdsClassifiedOnDate": 100,

"totalBirdsClassified": 2000

}

**Bird Info:**

**Get Entire List of Bird Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo

**Get Specific Bird Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo/{id}

**Create a new Bird Info Point (POST):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo

**Update a Bird Info Point (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo/{id}

**Delete a Bird Info Point (DELETE):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo/{id}

**Assign A Bird Tracking Info Entity to a Bird (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo/{birdInfoId}/birdTrackingInfo/{birdTrackingInfoID}

**Get A Bird’s Bird Tracking Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdInfo/{birdInfoId}/birdTrackingInfo

**JSON Example:**

{

"scientificName": "scientific name of bird",

"name": "common name of bird",

"shortDesc": "short description of bird",

"image": "image url of bird",

"rangeMap": "map url of bird",

"callSound": "call sound url of bird"

}

**Bird Tracking Info:**

**Get Entire List of Bird Tracking Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdtrackinginfos

**Get Specific Bird Tracking Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdtrackinginfos/{id}

**Create a new Bird Tracking Info Point (POST):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdtrackinginfos

**Update a Bird Tracking Info Point (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdtrackinginfos/{id}

**Delete a Bird Tracking Info Point (DELETE):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/birdtrackinginfo/{id}

**JSON Example:**

{

"latitude": 90,

"longitude": 40,

"date": "10/04/2023",

"time": "16:32:05",

"imageLink": "image url of bird"

}

**User:**

**Get Entire List of Users (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users

**Get Specific User Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{id}

**Create a new User (POST):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users

**Update a User (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{id}

**Assign A Bird Tracking Info point to User (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{user\_id}/birdTrackingInfo/{track\_id}

**Delete a User (DELETE):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{id}

**Assign An Analytic to a User (PUT):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{userId}/analytic/{analyticID}

**Get A User’s Bird Tracking Info (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{userId}/birdTrackingInfo

**Get A User’s Analytics (GET):**

- URL: http://coms-309-052.class.las.iastate.edu:8080/users/{userId}/analytics

**JSON Example:**

{

"username": "user1",

"email": "user1@gmail.com",

"password": "password",

"privilege": 0

}