

Welcome to the TigerHall-Kittens App!

TigerHall-Kittens Backend Application exposes the **API's** mentioned below to track the population of tigers in the wild.

All the API's have the same endpoint : `/graphql`

1. First user needs to register and login using the below API's to access Create or list tigers API's:

[Input parameters like username, password and email are required in the request.]

API Name	Sample input (graphql)	Sample response
register	<pre>mutation register{ register(input:{ username: "vaibhav", password: "test", email: "vaibhavgvk08@gmail.com" }) { status, error } }</pre>	<pre>{ "data": { "register": { "status": "Success", "error": "" } } }</pre>
login	<pre>mutation login{ login(input:{ username: "vaibhav", password: "test" }) { status AccessToken error } }</pre>	<pre>{ "data": { "login": { "status": "Success", "AccessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOiJlMTE1Njc5MDAsImZlcnl6IjoiIiwiaWF0IjoiMTY1OTQ2VzYSGFsbCJ9.XoLi9tqDV68kXzMubRJgs_siUXdqelpTHk6ypGquQ_E" , "error": "" } } }</pre>

Post login, User will be provided with an `AccessToken` in the response. Which needs to be passed in the headers for all subsequent requests as mentioned below: `{"AccessToken": "token_value"}`

2. Users can access create tigers to create multiple tigers or report sighting of tigers as mentioned in the below table.

[Input parameters like name, dob, tiger lastSeenTimeStamp, lastSeenCoordinates, reporterUserName are required in the request which are self explanatory from their names. Refer below sample input for their types.]

Every Tiger is uniquely identified by the id attribute, which will be used for sightingOfTiger or listSightingsOfATiger API's]

API Name	Sample input (graphql)	Sample response
createTiger	<pre>mutation createTiger{ createTiger(input:{ name: "thenewtiger1", dob: "12/10/2023", lastSeenTimeStamp: "18891012151205", lastSeenCoordinates: { lat : 12.12, long : 13.13 } reporterUserName: "vaishu" }) { _id name dob lastSeenTimeStamp lastSeenCoordinates{lat, long} imageURL reporterUserName } }</pre>	<pre>{ "data": { "createTiger": { "_id": "6604764306d2c3c7c822f930", "name": "thenewtiger1", "dob": "12/10/2023", "lastSeenTimeStamp": "18891012151205", "lastSeenCoordinates": { "lat": 12.12, "long": 13.13 }, "imageURL": null, "reporterUserName": "vaibhav" } } }</pre>
sightingOfTiger	<pre>mutation sightingOfTiger{ sightingOfTiger(_id:"660453643c03e d2a24f56f06"</pre>	<pre>{ "data": { "sightingOfTiger": { "_id":</pre>

	<pre> input:{ lastSeenTimeStamp: "20400104150222", lastSeenCoordinates: { lat : 13.12, long : 43.13 }, imageURL: "tempurl", reporterUserName: "vaishu" }) { _id name dob reporterUserName lastSeenTimeStamp lastSeenCoordinates{lat,long} imageURL reporterUserName } } </pre>	<pre> "660453643c03ed2a24f56f06", "name": "thenewtiger1", "dob": "12/10/2023", "reporterUserName": "vaibhav", "lastSeenTimeStamp": "20500104150222", "lastSeenCoordinates": { "lat": 13.12, "long": 83.13 }, "imageURL": "tempurl" } } } </pre>
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3. User can query either all the tigers or a particular tiger as mentioned in the below table.

[Input parameters : offset and limit are used in listAllTigers to achieve pagination.]

In listAllSightingsOfATiger input id is used to fetch all sightings of a tiger]

API Name	Sample input (graphql)	Sample response
listAllSightingsOfATiger	<pre> query tiger { listAllSightingsOfATiger(_id:"660453643c03ed2a24f56f06"){ name sightings{timestamp coordinates{lat,long}} } } </pre>	<pre> { "data": { "listAllSightingsOfATiger": { "name": "thenewtiger1", "sightings": [{ "timestamp": "20290104150222", "coordinates": { "lat": 11.12, "long": 43.13 </pre>

	<pre> }</pre>	<pre> } }, { "timestamp": "20260104150209", "coordinates": { "lat": 57.12, "long": 53.13 } }, { "timestamp": "20260103150209", "coordinates": { "lat": 97.12, "long": 53.13 } }] } } }</pre>
listAllTigers	<pre> query tigers{ listAllTigers(input: { offset: 0, limit: 20 }) { _id name lastSeenTimeStamp lastSeenCoordinates{ lat, long } imageURL } }</pre>	<pre> { "data": { "listAllTigers": [{ "_id": "660453643c03ed2a24f56f06", "name": "thenewtiger1", "lastSeenTimeStamp": "20500104150222", "lastSeenCoordinates": { "lat": 13.12, "long": 83.13 }, "imageURL": "testURL" }, { "_id": "6604760806d2c3c7c822f92f", "name": "thenewtiger1", "lastSeenTimeStamp": "18891012151205", "lastSeenCoordinates": { "lat": 12.12, "long": 13.13 }, "imageURL": "testURL" },] } }</pre>

		<pre>"_id": "6604764306d2c3c7c822f930", "name": "thenewtiger1", "lastSeenTimeStamp": "18891012151205", "lastSeenCoordinates": { "lat": 12.12, "long": 13.13 }, "imageUrl": "testURL" }] }</pre>
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