GREEN does not require authorization token in header

Service	Endpoints	Description	Request	Response
Predict	POST /predict	Get bounding boxes	Body: multipart/form-data "width": <number> "image": <file: image="" jpeg=""></file:></number>	{ "boxes": [{ "x": <number>, "y": <number>, "w": <number>, "h": <number>, "confidence": <number>, "class": "hold" "volume" },], "width": <number>, "height: :<number< td=""></number<></number></number></number></number></number></number>
User	POST /user/signup	Sign ups and send verification email	Body: application/json { "name": <str>, "email": <str>, "password": <str> }</str></str></str>	{ "Message": "Sign up success", "Destination": "y***@g***.com", "DeliveryMedium": "EMAIL", "AttributeName": "email" }
	POST /user/confirm	Confirms sign up with verification	Body: application/json { "name": <str>, "code" <str>}</str></str>	{ "Message" : "Confirmation success" }
	POST /user/login	Returns access token	Body: application/json { "email": <str>, "password": <str>}</str></str>	{ "Message": "Sign in success", "AccessToken": <str>, "ExpiresIn": <int:seconds>, "TokenType": "Bearer", "RefreshToken": <str>, "IdToken": <str>, }</str></str></int:seconds></str>
	POST /user/logout	Invalidates access token	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken></str:accesstoken>	{ "Message" : "Sign out success" }
	DELETE /user/delete	Deletes Cognito User	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken></str:accesstoken>	HTTP 204
Route	POST /route/new	Create new route by saving to S3 bucket Only allow if the gym is valid	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: multipart/form-data "countryCode": <str> "expiredTime": <str: isoformat=""> "routeName": <str> "gymLocation": <str: latlong=""> "ownerGrade": <number> "routePhoto": <file: 5mb="" jpg,=""></file:></number></str:></str></str:></str></str:accesstoken>	{ "Message": "Create route success", "Item": { "username": <str:routeowner>, "createdAt": <str>, "expiredTime": <str>, "gymLocation": <str>, "routeURL": <str: url="">, "ownerGrade": <number>, "publicGradeSubmissions": [{ "userEmail": <number> },], "voteCount": <number>, "upVotes": [],</number></number></number></str:></str></str></str></str:routeowner>

			"reports": [], "commentCount": 0, "comments": [] }
POST /route/details	Get photo, votes, grades, comments of one route (Returns slightly different data depending on if authorization header is provided)	Body: application/json { "username": <str:routeowner>, "createdAt": <str> } # Acts as route identifier Optional Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Including this will check if the user has voted, graded, reported the route. The default values are false.</str:accesstoken></str></str:routeowner>	{ "Message": "Get route details success", "Item": { "username": <str:routeowner>, "createdAt": <str>, "displayName": <str>, "expiredTime": <str>, "routeName": <str>, "gymLocation": <str>, "routeURL": <str>, "ownerGrade": <number>, "publicGrade": <number>, "voteCount": <number>, "comments": [], "hasVoted": <boolean>, "hasReported": <boolean>, "hasGraded": <number> "graded": <number> } }</number></number></boolean></boolean></number></number></number></str></str></str></str></str></str></str:routeowner>
POST /route/details/vote	Upvote route	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: application/ison { "username": <str:routeowner>, "createdAt": <str>}</str></str:routeowner></str:accesstoken>	{ "Message": "Upvote route success" }
POST /route/details/grade	Assign grade to route (Handles differently for owner and public in backend)	Bearer Authorization. IE: Ensure header contains Bearer <str::accesstoken> Body: application/json { "username": <str::routeowner>, "createdAt": <str>, "grade": <number> }</number></str></str::routeowner></str::accesstoken>	{ "Message": "Grade route success", "Item": { "publicGrade": <number>, "ownerGrade": <number> } }</number></number>
 POST /route/details/comment	Add a new comment	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: application/json { "username": <str:routeowner>, "createdAt": <str>, "comment": <str: 150="" chars="" more="" not="" than=""> }</str:></str></str:routeowner></str:accesstoken>	{ "Message": "Comment route success", "Item": { "username": <str>, "timestamp": <number: unix="">, "comment": <str> } }</str></number:></str>
DELETE /route/details/comment	Delete the comment if you are poster or route owner	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: application/json { "username": <str:routeowner>, "createdAt": <str>,</str></str:routeowner></str:accesstoken>	{ "Message": "Delete comment success" }

			"timestamp": <number: unix=""></number:>	
	POST /route/details/report	Report route	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: application/json { "username": <str:routeowner>, "createdAt": <str>}</str></str:routeowner></str:accesstoken>	{ "Message": "Report route success" }
	GET /route/all	Get routes by gyms Note: Frontend call another API to determine proximity	Url parameter of "gymLocation"	{ "Message": "Query routes by gym success", "Items": [
	GET /route/gym/all	Get gyms	If no parameter, returns all the gyms Or If url parameter of "countryCode" exists, returns the gyms in the countryCode (If there are 100+ gyms this would be preferred)	{ "Message": "Scan all gyms success", "Items": [
	DELETE /route	Delete a particular route if you are route owner	Bearer Authorization. IE: Ensure header contains Bearer <str:accesstoken> Body: application/json { "createdAt": <str: isostring=""> }</str:></str:accesstoken>	{ "Message": "Delete route success" }

Database supported features

- Get all gyms and their locations
- Search routes by gym
- Add route by gym
- Upvote
- Report
- Upgrade / Downgrade
- View Owner Grade & Public Grade
- View vote count
- View route photo
- Search routes by a single username
- TTL removal of outdated routes
- ADMIN: Add gym
- ADMIN: Delete route
- ADMIN: Delete gym

Database	Fields	Index
Route	username (PK)	Global Secondary Index gymLocation (PK) createdAt (SK) routeName (projected) publicGrade (projected) username (projected) voteCount (projected) commentCount (projected) routeURL (projected)
Gym	countryCode (PK) <str> (Ensure only alphanumeric and space) gymLocation (SK) <str:latlong> (Google Maps right click) gymName <str></str></str:latlong></str>	