

API Documentation

This document provides an explanation for the available endpoints in the API for the Boxinator application.

Account-endpoints: /api/v1/account

#	Action	Method	Path	Headers	Parameters	Changes	Responses	Error cases
1	Register a new account	POST	/register	No header.	Body containing account information	Adding row to table "Account", Hashing password and storing hashed version instead of raw	Success: Successfully created an account and added a row to the table.	DataIntegrityViolationException: Either a required value is missing or a value that has to be unique, isn't. Error Code: BAD_REQUEST Exception: Request failed for unknown reason. Error Code: CONFLICT
2	Test login credentials	POST	/login	No header.	Body containing login credentials	No changes.	Success: Valid account credentials were provided. (OBS! This endpoint is not used in the frontend, logging in happens in firebase.) Fail: "Incorrect credentials." Wrong credentials were provided and no action was executed.	Exception: Request failed for unknown reason. Error Code: CONFLICT
3	Get all accounts	GET	/all	No header.	No body.	No changes.	Success: Returns a list of all accounts in the database.	Exception: Request failed for unknown reason. Error Code: INTERNAL_SERVER_ERROR
4	Get specific account	GET	/[{account_email}]	Bearer token, generated from firebase.	No body. Email of specified account in URL.	No changes.	Success: Valid Bearer token and account found in database. Returns account with email provided in URL. Fail: Invalid Bearer token. Returns error message and a status of UNAUTHORIZED.	Exception: Request failed because no account with the provided email could be found in the database. Error Code: NOT_FOUND
5	Update account	PATCH	/[{account_id}]	Bearer token, generated from firebase.	Body containing an object with data meant to replace current data in the specified row. ID of specified account in URL.	Updating information of specified row. Eg. firstname or lastname of account.	Success: Valid Bearer token and account found in database. Values from body replaces current values in database. If email is updated, update account in firebase	Exception: Request failed because account information could not be saved. Error Code: BAD_REQUEST

							aswell. Fail 1: Invalid Bearer token. Returns error message and a status of UNAUTHORIZED. Fail 2: Account not found. Returns status NOT_FOUND.	
6	Delete account	DELETE	/account_id	Bearer token, generated from firebase.	No body. ID of specified account in URL.	Removing a row from "Account"-table.	Success: Valid Bearer token, logged in user has role "ADMIN" and account found in database. Removes account in firebase as well. Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED. Fail 2: Role not allowed this action. Returns status UNAUTHORIZED. Fail 3: Account could not be found. Returns status NOT_FOUND.	No error, all exceptions handled by responses. May return INTERNAL_SERVER_ERROR on rare occasions.
8	Get role of current user	GET	/role	Bearer token, generated from firebase.	No body.	No changes.	Success: Valid Bearer token, returns role of logged in user.	FirebaseAuthException : Firebase request failed, could not verify token.

Country-endpoints: /api/v1/settings/country

#	Action	Method	Path	Headers	Parameters	Changes	Responses	Error cases
1	Create a new country	POST	/create	Bearer token, generated from firebase.	Body containing information about a new country.	Adds a row to the table "Country".	Success: Valid Bearer token, account role is ADMIN and body contains all required fields. Returns status CREATED Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED. Fail 2: Role not allowed this action. Returns status UNAUTHORIZED.	DataIntegrityViolationException: Either a required value is missing or a value that has to be unique, isn't. Error Code: BAD_REQUEST Exception: Request failed for unknown reason. Error Code: CONFLICT
2	Get all countries	GET	/all	No header.	No body.	No changes.	Success: A list of all countries currently in the database is returned.	Exception: Could not retrieve the countries from the database. Error Code: INTERNAL_SERVER_ERROR
3	Update	PATCH	/country_id	Bearer token,	Body containing	Finds country	Success: Valid	Exception: Request

	country		}	generated from firebase.	new values for a country. ID of specified country in URL.	with id provided in URL, replaces values in database with values provided in body.	Bearer token, role is ADMIN and country found in database. Values from body replaces current values in database. Fail 1: Invalid Bearer token. Returns error message and a status of UNAUTHORIZED. Fail 2: Not of role ADMIN. Returns error message and a status of UNAUTHORIZED. Fail 2: Country not found. Returns status NOT_FOUND.	failed because country information could not be saved. Error Code: BAD_REQUEST
4	Delete country	DELETE	{country_id}	Bearer token, generated from firebase.	No body. ID of specified country in URL.	Finds country with id provided in URL, removes that country from database.	Success: Valid Bearer token, logged in user has role "ADMIN" and account found in database. Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED. Fail 2: Role not allowed this action. Returns status UNAUTHORIZED. Fail 3: Country could not be found. Returns status NOT_FOUND.	Exception: Could not delete country with specified ID. Error Code: INTERNAL_SERVER_ERROR

Shipment-endpoints: /api/v1/shipment

#	Action	Method	Path	Headers	Parameters	Changes	Responses	Error cases
1	Create a new shipment	POST	/create	Bearer token, generated from firebase.	Body contains a new shipment.	Adds a row to the table "Shipments".	Success: Valid Bearer token and body contains all required fields. Returns status CREATED Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED.	DataIntegrityViolationException: Either a required value is missing or a value that has to be unique, isn't. Error Code: BAD_REQUEST Exception: Request failed for unknown reason. Error Code: CONFLICT
2	Get specific shipment	GET	/shipment_id	Bearer token, generated from firebase.	ID of specified shipment in URL.	No Changes.	Success: Valid Bearer token, role is either USER or ADMIN and shipment found in database. Returns shipment with id provided in URL. Fail 1:	No error, all exceptions handled by responses. May return INTERNAL_SERVER_ERROR on rare occasions.

							Invalid Bearer token. Returns error message and a status of UNAUTHORIZED. Fail 2: Role not allowed this action. Returns error message and a status of UNAUTHORIZED. Fail 3: Invalid ID provided, could not find shipment. Returns error message and a status of NOT_FOUND.	
3	Update a specific shipment	PATCH	/shipment_id	Bearer token, generated from firebase.	ID of specified shipment in URL. Body contains new values to a shipment.	Updates the specified row in the table "Shipments" with the provided values from body.	Success: Valid Bearer token, role is ADMIN or USER and country found in database. Values from body replaces current values in database. Fail 1: Invalid Bearer token. Returns error message and a status of UNAUTHORIZED. Fail 2: Not of role ADMIN or USER. Returns error message and a status of UNAUTHORIZED. Fail 2: Country not found. Returns status NOT_FOUND.	Exception: Request failed for unknown reason. Error Code: CONFLICT
4	Delete a specific shipment	DELETE	/shipment_id	Bearer token, generated from firebase.	ID of specified shipment in URL.	Removes a row of the specified shipment from the database.	Success: Valid Bearer token, logged in user has role "ADMIN" and shipment found in database. Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED. Fail 2: Role not allowed this action. Returns status UNAUTHORIZED. Fail 3: Country could not be found. Returns status NOT_FOUND.	Exception: Request failed for unknown reason. Error Code: CONFLICT
5	Get all shipments	GET	/all	Bearer token, generated from firebase.	No body.	No Changes.	Success: Valid Bearer token, logged in user has role "ADMIN" or "USER". A list of all shipments available to currently logged in user is returned. Fail 1: Invalid Bearer token.	Exception: Request failed for unknown reason. Error Code: CONFLICT

							Returns status UNAUTHORIZED. Fail 2: Your role does not have permission for this action. Returns status UNAUTHORIZED.	
6	Get all shipments by a specific account	GET	/all/{account_id}	Bearer token, generated from firebase.	ID of specified account in URL.	No Changes.	Success: Valid Bearer token, logged in user has role "ADMIN" and account found in database. Returns a list of shipments by a specific account. Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED. Fail 2: Your role does not have permission for this action. Returns status UNAUTHORIZED.	Exception: Request failed for unknown reason. Error Code: CONFLICT
7	Get all shipments with a specific status	GET	/status/{shipmentStatus}	Bearer token, generated from firebase.	Status of specified shipment in URL.	No Changes.	Success: Valid Bearer token, shipments with specified status found in database. Returns a list of shipments. Fail 1: Invalid Bearer token. Returns status UNAUTHORIZED.	Exception: Request failed for unknown reason. Error Code: INTERNAL_SERVER_ERROR