

## REST API Endpoints

Endpoint	Type	Role(s)	Headers	Input form fields	Return Data
signin	POST	admin, clerk		email, password	{username: ..., token: ...} (202) / invalid credentials (401) / Email field required (400) / Email cannot be empty (400) / Password field required (400) / Password cannot be empty (400)
signout	POST	admin, clerk	Access-Token		ok (200) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
getAccountDetails	POST	admin, clerk	Access-Token		User Object (200) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
addAccount	POST	admin	Access-Token	firstname, lastname, email, password, role	email in use (409) / created (201) / Firstname field required (400) / Firstname cannot be empty (400) / Firstname data type is invalid (400) / Lastname field required (400) / Lastname cannot be empty (400) / Lastname data type is invalid (400) / Email field required (400) / Email cannot be empty (400) / Email data type is invalid (400) / invalid email structure (400) / Password field required (400) / Password cannot be empty (400) / Password data type is invalid (400) / invalid password structure (400) / Role field required (400) / Role cannot be empty (400) / Role data type is invalid (400) / Invalid role (404) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
removeAccount	POST	admin	Access-Token	account_id	deleted (200) / Account does not exist (404) / Account ID field required (400) / Account ID cannot be empty (400) / Account ID data type is invalid (400) /

					access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
addCrop	POST	admin	Access-Token	name	ok (201) / Name field required (400) / Name cannot be empty (400) / Name data type is invalid (400) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
deleteCrop	POST	admin	Access-Token	crop_id	deleted (200) / Crop does not exist (404) / Crop ID field required (400) / Crop ID cannot be empty (400) / Crop ID data type is invalid (400) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
addFarmType	POST	admin	Access-Token	type	ok (201) / Type field required (400) / Type cannot be empty (400) / Type data type is invalid (400) / access token disabled via signout (401) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
deleteFarmType	POST	admin	Access-Token	farm_type_id	deleted (201) / Farm Type does not exist (404) / Farm Type ID field required (400) / Farm Type ID cannot be empty (400) / Farm Type ID data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
addLocation	POST	admin	Access-Token	name	ok (201) / Name field required (400) / Name cannot be empty (400) / Name data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to

					access this (401) / invalid token (401)
deleteLocation	POST	admin	Access-Token	location_id	deleted (200) / Location does not exist (404) / Location ID field required (400) / Location ID cannot be empty (400) / Location ID data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
addFarmer	POST	admin, clerk	Access-Token	name, national_id, farm_id, farm_type, crop, location	registered (201) / Name field required (400) / Name cannot be empty (400) / Name data type is invalid (400) / National ID field required (400) / National ID cannot be empty (400) / National ID data type is invalid (400) / Farm ID field required (400) / Farm ID cannot be empty (400) / Farm ID data type is invalid (400) / Farm Type field required (400) / Farm Type cannot be empty (400) / Farm Type data type is invalid (400) / Crop field required (400) / Crop cannot be empty (400) / Crop data type is invalid (400) / Location field required (400) / Location cannot be empty (400) / Location data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
getFarmers	POST	admin, clerk	Access-Token		List of Farmers Objects (200) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
editFarmer	POST	admin, clerk	Access-Token	farmer_id, name, national_id, farm_id, farm_type, crop, location	updated (200) / Farmer does not exist (404) / Name field required (400) / Name cannot be empty (400) / Name data type is invalid (400) / National ID field required (400) / National ID cannot be empty (400) / National ID data type is invalid (400) / Farm ID field required (400) / Farm ID cannot be empty (400) / Farm ID data type is invalid

					(400) / Farm Type field required (400) / Farm Type cannot be empty (400) / Farm Type data type is invalid (400) / Crop field required (400) / Crop cannot be empty (400) / Crop data type is invalid (400) / Location field required (400) / Location cannot be empty (400) / Location data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
removeFarmer	POST	admin, clerk	Access-Token	farmer_id	deleted (200) / Farmer does not exist (404) / Farmer ID field required (400) / Farmer ID cannot be empty (400) / Farmer ID data type is invalid (400) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
getFarmTypes	POST	admin, clerk	Access-Token		Farm Types Object List (200) / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
getCrops	POST	admin, clerk	Access-Token		Crop Object List / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)
getLocations	POST	admin, clerk	Access-Token		Location Object List / access token disabled via signout (401) / access token expired (401) / not authorized to access this (401) / invalid token (401)