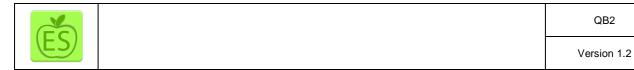


Dokumentation EatSmart API (Schnittstellenbeschreibung)

S0010	
URL	
Methode	GET
Input	-
Output	-
Return Code	NO CONTENT (204)
Header "Link"	 <self> "/" [GET]</self> <register> "/users" [POST]</register> <login> "/login" [GET]</login> <pwdresetrequest> "/pwdResetRequest" [POST]</pwdresetrequest>
Header "Location"	-
Berechtigung	Everybody

S0020	
URL	/users
Methode	POST
Input	username: String {unique, not null}
	email: String {unique, not null, Email-Syntax}
	 password {not null, between 5 and 32 characters}
	 horizonInDays{not null, min. 1}
Output	-
Return Code	• CREATED (201)
	 If username or E-Mail already taken: CONFLICT (409)
Header "Link"	<next> "GET /"</next>
Header "Location"	/users/{userId}
Berechtigung	Everybody

S0025	
URL	/verfication/registration/{token}
Methode	GET
Input	-
Output	-
Return Code	SEE OTHER (303)
Header "Link"	-
Header "Location"	/html/registration/success.html
Berechtigung	Everybody

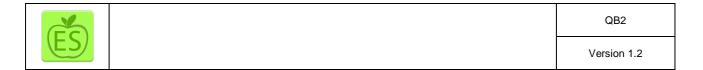


S0030	
URL	/pwdResetRequest
Methode	POST
Input	username: String {not null}
	 email: String {not null, must correspond to username}
Output	-
Return Code	ACCEPTED (202)
	 If combination of username and E-Mail not found -> NOT FOUND 404
	 If user is disabled (e.g. registration not yet completed): CONFLICT (409)
Header "Link"	<next> "GET /"</next>
Header "Location"	
Berechtigung	Everybody

QB2

S0040	
URL	/verfication/pwdResetRequest/{token}
Methode	GET
Input	-
Output	-
Return Code	SEE OTHER (303)
Header "Link"	-
Header "Location"	/html/pwdResetRequest/success.html
Berechtigung	Everybody

S0050	
URL	/login
Methode	GET
Input	-
Output	•
Return Code	SEE OTHER (303) – if authentication successful
	UNAUTHORIZED (401) – if authentication not successful
Header "Link"	-
Header "Location"	/users/{userId}
Berechtigung	Everybody



S0060	
URL	/users/{userId}
Methode	GET
Input	-
Output	id: Number
	username: String
	email: String
	password: String
	 horizonInDays: Number
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}" [GET,PUT]</self>
	<foods> "/users/{userId}/foods" [GET]</foods>
	<recipes> "/users/{userId}/recipes" [GET]</recipes>
	<fridgestocks> "/users/{userId}/fridgeStocks" [GET]</fridgestocks>
	<menuschedules> "/users/{userId}/schedules" [GET]</menuschedules>
	<shoppinglist> "/users/{userId}/shoppingList" [GET]</shoppinglist>
	<logout> "/" [GET]</logout>
Header "Location"	-
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

S0070	
URL	/users/{userId}
Methode	PUT
Input	username: String {not modified}
	email: String {not modified}
	 password: String {not null, between 5 and 32 characters}
	horizonInDays{not null, min. 1}
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}" [GET,PUT]</self>
	<logout> "/" [GET]</logout>
Header "Location"	-
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED



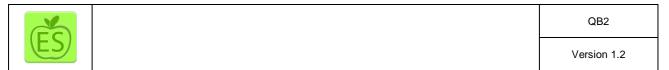
QB2

Version 1.2

S0071	
URL	/users/{userId}/foods
Methode	GET
Input	-
Output	Collection of all foods (shared and own), each
	• id: Number
	name: String
	weightPerUnit: long
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/foods" [GET,POST]</self>
	<new> "/users/{userId}/foods" [POST]</new>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

S0072	
URL	/users/{userId}/foods
Methode	POST
Input	-
Output	name: String {not blank, not null}
	 weightPerUnit: long
Return Code	CREATED (201)
Header "Link"	<self> "/users/{userId}/foods" [GET,POST]</self>
	<user> "GET /users/{userId}</user>
	<logout> "/" [GET]</logout>
Header "Location"	/users/{userId}/foods/{id}
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

S0073	
	() I N () I () N
URL	/users/{userId}/foods/{id}
Methode	GET
Input	-
Output	id: Number
	name: String
	weightPerUnit: long
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/foods/{id}" [GET]</self>
	<all> "/users/{userId}/foods" [GET]</all>
	<pre><childs> "/users/{userId}/foods/{id}/childFoods" [GET,POST]</childs></pre>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GÈT]</logout>
Header "Location"	
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED



S0074	
URL	/users/{userId}/foods/{id}/childFoods [/{id}/childFoods//{id}/childFoods
Methode	GET
Input	-
Output	Collection of all childFoods of parent with {id], each id: Number name: String weightPerUnit: long
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/foods/{id}/childFoods" [GET,POST] <new> "/users/{userId}/foods/{id}/childFoods" [POST] <parent> "/users/{userId}/foods/{id}" [GET] <user> "/users/{userId}" [GET]</user></parent></new></self>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

S0075		
URL	/users/{userId}/foods/{id}/childFoods [/{id}/childFoods//{id}/childFoods]	
Methode	POST	
Input	name: String {not blank, not null}weightPerUnit: long	
Output	CREATED (201)	
Return Code	<self> "/users/{userId}/foods/{id}/childFoods" [GET,POST] <user> "GET /users/{userId} <logout> "/" [GET]</logout></user></self>	
Header "Link"	/users/{userId}/foods/{id}/childFoods /{id}	
Header "Location"		
Berechtigung	ADMINUSER with username={username} and without role DISABLED	

S0076	
URL	/users/{userId}/foods/{id}/childFoods/{id}
Methode	GET
Input	-
Output	id: Number
	name: String
	weightPerUnit: long
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/foods/{id} childFoods/{id}" [GET]</self>
	<all> "/users/{userId}/foods/{id}/childFoods" [GET]</all>
	<pre><childs> "/users/{userId}/foods/{id}/childFoods/{id}/childFoods" [GET,POST]</childs></pre>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

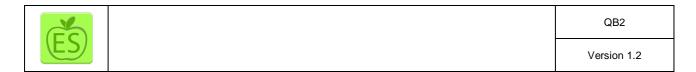
S0080	
URL	/users/{userId}/recipes
Methode	GET
Input	-

F	QB2
ES	Version 1.2

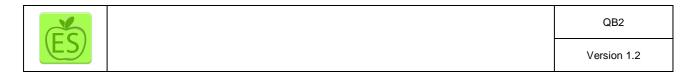
Output	Collection of recipes, each
	id: Number
	name: String
	Collection of Ingredients, each
	Food (from /users/{id}/foods)
	■ id: Number
	name: String
	weightPerUnit: Number
	quantityInMg: Number
	o displayUnit: String
	 picture: String [base64 encoded byte array]
	prepInstruction: String
	prepTime: String
	rating: Number
	servings: Number
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/recipes" [GET,POST]</self>
	<findbyname> "/users/{userId}/ recipes?qName=" [GET]</findbyname>
	<pre><sortbynameasc> "/users/{userId}/ recipes?sort=name" [GET]</sortbynameasc></pre>
	<pre><sortbynamedesc> "/users/{userId}/ recipes?sort=-name" [GET]</sortbynamedesc></pre>
	<pre><sortbyratingdesc> "/users/{userId}/ recipes?sort=-rating" [GET]</sortbyratingdesc></pre>
	<sortbysmartrankingdesc> "/users/{userId}/recipes/smartRanking" [GET]</sortbysmartrankingdesc>
	<new> "/users/{userId}/ recipes" [POST]</new>
	<user> "/users/{userId}" [GET]</user>
	100017 1000101 [0 = 1]
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

(4)	QB2
ES	Version 1.2

S0085	
URL	/users/{userId}/recipes/smartRanking
Methode	GET
Input	-
Output	Collection of recipes with smartRanking field, each id: Number name: String Collection of Ingredients, each Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number displayUnit: String picture: String [base64 encoded byte array] prepInstruction: String prepTime: String rating: Number
	servings: Number
Detum Cede	smartRanking: Number (0100) Ok (200)
Return Code	OK (200)
Header "Link"	<pre><self> "/users/{userId}/recipes" [GET] <findbyname> "/users/{userId}/ recipes?qName=" [GET] <sortbynameasc> "/users/{userId}/ recipes?sort=name" [GET] <sortbynamedesc> "/users/{userId}/ recipes?sort=-name" [GET] <sortbyratingdesc> "/users/{userId}/ recipes?sort=-rating" [GET] <sortbysmartrankingdesc> "/users/{userId}/recipes/smartRanking" [GET] <new> "/users/{userId}/ recipes" [POST] <user> "/users/{userId}" [GET]</user></new></sortbysmartrankingdesc></sortbyratingdesc></sortbynamedesc></sortbynameasc></findbyname></self></pre>
Header "Location"	<logout> "/" [GET]</logout>
Berechtigung	 ADMIN USER with username={username} and without role DISABLED



00000	
S0090	
URL	/users/{userId}/recipes
Methode	POST
Input	 name: String {not null} Collection of Ingredients, each Food (from /users/{id}/foods) id: Number
	 name: String weightPerUnit: Number quantityInMg: Number displayUnit: String picture: String [base64 encoded byte array] prepInstruction: String prepTime: String rating: Number {between 0 and 5}
_	servings: Number {min 1}
Output	-
Return Code	CREATED (201)
Header "Link"	<self> "/users/{userId}/ recipes" [GET,POST] <user> "GET /users/{userId}</user></self>
	clogout> "/" [GET]
Header "Location"	/users/{userId}/recipes/{id}
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED



C0440	
S0110	
URL	/users/{userId}/recipes/{id}
Methode	GET
Input	-
Output	id: Number
	name: String
	Collection of Ingredients, each
	Food (from /users/{id}/foods)
	id: Number
	name: String
	 weightPerUnit: Number
	o quantityInMg: Number
	o displayUnit: String
	 picture: String [base64 encoded byte array]
	prepInstruction: String
	prepTime: String
	rating: Number
	servings: Number
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/ recipes/{id}" [GET,PUT,DELETE]</self>
	<all> "/users/{userId}/ recipes" [GET]</all>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED

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ES	Version 1.2

S0120	
URL	/users/{userId}/ recipes/{id}
Methode	PUT
Input	 name: String {not null} Collection of Ingredients, each
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}/ recipes/{id}" [GET,PUT,DELETE] <all> "/users/{userId}/ recipes" [GET] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

S0130	
URL	/users/{userId}/ recipes/{id}
Methode	DELETE
Input	-
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userld}/ recipes/{id}" [] <all> "/users/{userld}/ recipes" [GET] <user> "/users/{userld}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED



QB2	Q	B2
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Version 1.2

S0140	
URL	/users/{userId}/fridgeStocks
Methode	GET
Input	-
Output	 Collection of Stocks, each id: Number Ingredient Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number displayUnit: String
Return Code	OK (200)
Header "Link"	<pre><self> "/users/{userId}/fridgeStocks" [GET,POST] <findbyname> "/users/{userId}/fridgeStocks?qName=" [GET] <sortbynameasc> "/users/{userId}/fridgeStocks?sort=name" [GET] <sortbynamedesc> "/users/{userId}/fridgeStocks?sort=-name" [GET] <sortbyquantityasc> "/users/{userId}/fridgeStocks?sort=quantity" [GET] <sortbyquantitydesc> "/users/{userId}/fridgeStocks?sort=-quantity" [GET] <new> "/users/{userId}/fridgeStocks" [POST] <user> "/users/{userId}" [GET] <loopout> "/" [GET] </loopout></user></new></sortbyquantitydesc></sortbyquantityasc></sortbynamedesc></sortbynameasc></findbyname></self></pre>
Header "Location"	
Berechtigung	 ADMIN USER with username={username} and without role DISABLED

ES	QB2
	Version 1.2

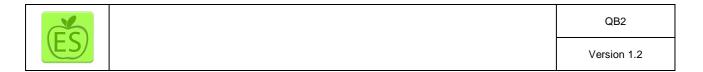
S0160	
URL	/users/{userId}/fridgeStocks
Methode	POST
Input	o Ingredient (not null)
	Food (from /users/{id}/foods)
	id: Number
	 name: String
	weightPerUnit: Number
	 quantityInMg: Number
	 displayUnit: String
Output	-
Return Code	• CREATED (201)
	 CONFLICT (409), if food already exists in users fridge [to update existing
	stock item try PUT instead]
Header "Link"	<self> "/users/{userId}/fridgeStocks" [GET,POST]</self>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	/users/{userId}/fridgeStocks/{id}
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED

C0470	
S0170	
URL	/users/{userId}/fridgeStocks/{id}
Methode	GET
Input	•
Output	id: Number
	 Ingredient
	Food (from /users/{id}/foods)
	id: Number
	name: String
	 weightPerUnit: Number
	o quantityInMg: Number
	o displayUnit: String
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/fridgeStocks/{id}" [GET,PUT,DELETE]</self>
	<all> "/users/{userId}/fridgeStocks" [GET,POST]</all>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	<u> </u>
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED



S0180	
URL	/users/{userId}/fridgeStocks/{id}
Methode	PUT
Input	 Ingredient {not null} Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number displayUnit: String {MG,G,KG,TEESPOON,TABLESPOON,UNIT}
Output	-
Return Code	 NO CONTENT (204) CONFLICT (409), if food name already exists in users (Use PUT to update existing resource instead)
Header "Link"	<self> "/users/{userId}/fridgeStocks/{id}" [GET,PUT,DELETE] <all> "/users/{userId}/fridgeStocks" [GET,POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	 ADMIN USER with username={username} and without role DISABLED

S0190	
URL	/users/{userId}/fridgeStocks/{id}
Methode	DELETE
Input	-
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}/fridgeStocks/{id}" [] <all> "/users/{userId}/fridgeStocks" [GET,PUT,POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

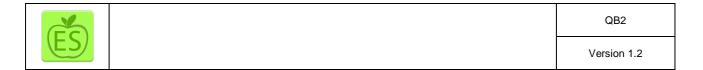


S0200	
URL	/users/{userId}/menuSchedules
Methode	GET
Input	-
Output	Collection of MenuSchedules, each
	id: Number
	date: String
	servings: Number
	recipe: Recipe
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/menuSchedules " [GET,POST] <filterbystartdate> "/users/{userId}/menuSchedules?qStartDate=" [GET] <filterbyenddate> "/users/{userId}/menuSchedules?qEndDate=" [GET]</filterbyenddate></filterbystartdate></self>
	<new> "/users/{userId}/menuSchedules" [POST] <user> "/users/{userId}" [GET]</user></new>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED



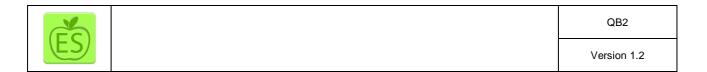
S0220	
URL	/users/{userId}/menuSchedules
Methode	POST
Input	date: String {not null}
	servings: Number {not null}
	recipe: Recipe {not null, must exist in DB}
Output	-
Return Code	CREATED (201)
Header "Link"	<self> "/users/{userId}/menuSchedules " [GET,POST]</self>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	/users/{userId}/menuSchedules/{id}
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED

S0230	
URL	/users/{userId}/menuSchedules/{id}
Methode	GET
Input	-
Output	 id: Number date: String servings: Number recipe: Recipe
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/menuSchedules/{id} " [GET,PUT,DELETE] <all> "/users/{userId}/menuSchedules" [GET] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	Clogodio / [OL1]
Berechtigung	 ADMIN USER with username={username} and without role DISABLED



00040	
S0240	
URL	/users/{userId}/menuSchedules/{id}
Methode	PUT
Input	 date: String {not null} servings: Number {not null} recipe: Recipe {not null, must exist in DB}
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}/menuSchedules/{id} " [GET,PUT,DELETE] <all> "/users/{userId}/menuSchedules" [GET] <user> "/users/{userId}" [GET]</user></all></self>
	<logout> "/" [GET]</logout>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

S0250	
URL	/users/{userId}/menuSchedules/{id}
Methode	DELETE
Input	
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}/menuSchedules/{id} " [] <all> "/users/{userId}/menuSchedules" [GET] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	• ADMIN
	 USER with username={username} and without role DISABLED



S0260	
URL	/users/{userId}/products
Methode	GET
Input	-
Output	Collection of products, each id: Number ean: String Ingredient Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number
Return Code	 displayUnit: String {MG,G,KG,TEESPOON,TABLESPOON,UNIT} OK (200)
Header "Link"	<self> /users/{userId}/products " [GET,POST] <findbyean> /users/{userId}/products?ean=" [GET] <new> "/users/{userId}/products" [POST]</new></findbyean></self>
	<user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

(4)	QB2
ES	Version 1.2

00000	
S0270	
URL	/users/{userId}/products
Methode	POST
Input	 ean: String {not null, unique, cannot be changed} Ingredient {not null} Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number displayUnit: String {MG,G,KG,TEESPOON,TABLESPOON,UNIT}
Output	-
Return Code	 CREATED (201) CONFLICT (409), if EAN already exists [to update existing product try PUT instead]
Header "Link"	<self> "/users/{userId}/products" [GET,POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></self>
Header "Location"	/users/{userId}/products /{id}
Berechtigung	 ADMIN USER with username={username} and without role DISABLED

S0280	
URL	/users/{userId}/products/{id}
Methode	GET
Input	-
Output	 id: Number ean: String ingredient Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number displayUnit: String
Return Code	OK (200)
Header "Link"	<self> "/users/{userId}/products/{id}" [GET,PUT,DELETE] <all> "/users/{userId}/products" [GET, POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED



S0290	
URL	/users/{userId}/products/{id}
Methode	PUT
Input	 ean: String {not null, unique} ingredient {not null} Food (from /users/{id}/foods) id: Number name: String weightPerUnit: Number quantityInMg: Number {not null} displayUnit: String {ENUM ScaleUnit}
Output	-
Return Code	 NO CONTENT (204) CONFLICT (409), if EAN already exists (Use PUT to update existing resource instead)
Header "Link"	<self> "/users/{userId}/products /{id}" [GET,PUT,DELETE] <all> "/users/{userId}/products" [GET,POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED

S0300	
URL	/users/{userId}/products /{id}
Methode	DELETE
Input	-
Output	-
Return Code	NO CONTENT (204)
Header "Link"	<self> "/users/{userId}/products /{id}" [] <all> "/users/{userId}/products" [GET,POST] <user> "/users/{userId}" [GET] <logout> "/" [GET]</logout></user></all></self>
Header "Location"	
Berechtigung	ADMINUSER with username={username} and without role DISABLED



S0310	
URL	/users/{userId}/shoppingList
Methode	GET
Input	-
Output	Collection of ingredients, each:
	 Food (from /users/{id}/foods)
	o id: Number
	o name: String
	weightPerUnit: Number
	quantityInMg: Number
	displayUnit: String
Return Code	OK(200)
Header "Link"	<self> "/users/{userId}/shoppingList " [GET]</self>
	<user> "/users/{userId}" [GET]</user>
	<logout> "/" [GET]</logout>
Header "Location"	Togotte / [OL1]
Berechtigung	ADMIN
	 USER with username={username} and without role DISABLED