**Mate Portal**

# Application description and user abilities

## Application description

MatePortal is a Web API for exchanging opinions about different types of yerba mate. Users can create accounts, add yerba mate to their favorites list, rate and comment on yerba mate and yerba mate shops.

## Users abilities

**Not logged in user:**

* Viewing specific yerba mate by specific criteria (country of origin, type, most popular, best rated, etc.)
* Viewing yerba mate shops
* Viewing opinions

**Logged in user:**

* Ability to add opinions (rating on a scale of 1 - 10 and comment) and delete added opinions
* Ability to add to favorites and remove from favorites
* Ability to view favorites
* Ability to manage user account (changing password, deleting account, etc.)
* Ability to add opinions on specific Yerba Mate stores
* Ability to browse other users (viewing their opinions and favorite list)

**Administrator:**

* Ability to add new yerba mate to the system and also edit or delete them
* Ability to edit/delete opinions (e.g., vulgar ones)
* Ability to remove a given user from the system

# Rest Api description

## Identity

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| POST | /api/Identity/register | RegisterUserCommand | None | Creates a new user a returns JWT token | AuthSuccessResponse,  400 | Everyone |
| POST | /api/Identity/login | LoginUserCommand | None | Returns JWT token | AuthSuccessResponse,  400 | Everyone |

## Users

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Users | none | UsersQueryParameters | Gets all users | IEnumerable<UserDto> | Everyone |
| GET | /api/Users/{id} | none | Id:GUID | Gets user by id | UserDto,  404 | Everyone |
| PUT | /api/Users | UpdateUserCommand | None | Updates the user | 204,  400,  404,  401,  403 | Account owner, Administrator |
| DELETE | /api/Users | DeleteUserCommand | None | Deletes the user | 204,  400,  404,  401,  403 | Account owner, Administrator |

## Brands

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Brands | none | BrandsQueryParameters | Gets all brands | IEnumerable<BrandDto> | Everyone |
| GET | /api/ Brands /{id} | none | Id:GUID | Gets brand by id | BrandDto,  404 | Everyone |
| POST | /api/ Brands | CreateBrandCommand | None | Creates brand | 201,  400,  401,  409 | Administrator |
| PUT | /api/ Brands | UpdateBrandCommand | None | Updates the brand | 204,  400,  404,  401,  409 | Administrator |
| DELETE | /api/ Brands | DeleteBrandCommand | None | Deletes the brand | 204,  400,  404,  401 | Administrator |

## Categories

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Categories | None | CategoriesQueryParameters | Gets all categories | IEnumerable<CategoryDto> | Everyone |
| POST | /api/ Categories | CreateCategoryCommand | None | Creates category | 201,  400,  401,  409 | Administrator |
| PUT | /api/ Categories | UpdateCategoryCommand | None | Updates the category | 204,  400,  404,  401,  409 | Administrator |
| DELETE | /api/ Categories | DeleteCategoryCommand | None | Deletes the category | 204,  400,  404,  401 | Administrator |

## Countries

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Countries | None | Countries QueryParameters | Gets all countries | IEnumerable<CountryDto> | Everyone |
| POST | /api/ Countries | CreateCountryCommand | None | Creates country | 201,  400,  401,  409 | Administrator |
| PUT | /api/ Countries | UpdateCountryCommand | None | Updates the country | 204,  400,  404,  401,  409 | Administrator |
| DELETE | /api/ Countries | DeleteCountryCommand | None | Deletes the country | 204,  400,  404,  401 | Administrator |

## Favourites

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Favourites/{userId} | None | FavouritesQueryParameters | Gets user’s favourites yerba mates | IEnumerable<FavouriteDto> | Everyone |
| POST | /api/ Favourites | CreateFavouriteCommand | None | Creates favourite | 201,  400,  401,  409 | User |
| DELETE | /api/ Favourites | DeleteFavouriteCommand | None | Deletes the favourite | 204,  400,  404,  401 | User |

## Shops

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/Shops | None | Shops QueryParameters | Gets all shops | IEnumerable<ShopDto> | Everyone |
| GET | /api/Shops/{id} | None | Id:GUID | Gets shop by id | ShopDto,  404 | Everyone |
| POST | /api/Shops | CreateShopCommand | None | Creates shop | 201,  400,  401,  409 | Administrator |
| PUT | /api/Shops | UpdateShopCommand | None | Updates the shop | 204,  400,  404,  401,  409 | Administrator |
| DELETE | /api/Shops | DeleteShopCommand | None | Deletes the shop | 204,  400,  404,  401 | Administrator |

## Shop opinions

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/ShopOpinions | None | ShopOpinions QueryParameters | Gets all shop opinions | IEnumerable<ShopOpinionDto> | Everyone |
| GET | /api/ ShopOpinions /{id} | None | Id:GUID | Gets shop opinion by id | ShopOpinionDto,  404 | Everyone |
| POST | /api/ ShopOpinions | CreateShopOpinionCommand | None | Creates shop opinion | 201,  400,  401,  409 | User, Administrator |
| PUT | /api/ ShopOpinions | UpdateShopOpinionCommand | None | Updates the shop opinion | 204,  400,  404,  401,  409 | User, Administrator |
| DELETE | /api/ ShopOpinions | DeleteShopOpinionCommand | None | Deletes the shop opinion | 204,  400,  404,  401 | User, Administrator |

## Yerba mates

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/YerbaMates | None | YerbaMates QueryParameters | Gets all yerba mates | IEnumerable<YerbaMate> | Everyone |
| GET | /api/ YerbaMates /{id} | None | Id:GUID | Gets yerba mate by id | YerbaMateDto,  404 | Everyone |
| POST | /api/ YerbaMates | CreateYerbaMateCommand | None | Creates yerba mate | 201,  400,  401,  409 | Administrator |
| PUT | /api/ YerbaMates | UpdateYerbaMateCommand | None | Updates the yerba mate | 204,  400,  404,  401,  409 | Administrator |
| DELETE | /api/ YerbaMates | DeleteYerbaMateCommand | None | Deletes the yerba mate | 204,  400,  404,  401 | Administrator |
| POST | /api/ YerbaMates/createImage | CreateYerbaMateImageCommand | None | Creates yerba mate image | 201,  400,  401 | Administrator |
| DELETE | /api/ YerbaMates/deleteImage | DeleteYerbaMateImageCommand | None | Deletes the yerba mate image | 204,  400,  404,  401 | Administrator |

## Yerba mate opinions

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| **Method** | **Path** | **Body** | **Params** | **Description** | **Responses** | **Who can access** |
| GET | /api/YerbaMateOpinions | None | ShopOpinions QueryParameters | Gets all yerba mate opinions | IEnumerable<YerbaMateOpinionDto> | Everyone |
| GET | /api/ YerbaMateOpinions /{id} | None | Id:GUID | Gets yerba mate opinion by id | YerbaMateOpinionDto,  404 | Everyone |
| POST | /api/ YerbaMateOpinions | CreateYerbaMateOpinionCommand | None | Creates yerba mate opinion | 201,  400,  401,  409 | User, Administrator |
| PUT | /api/ YerbaMateOpinions | UpdateYerbaMateOpinionCommand | None | Updates the yerba mate opinion | 204,  400,  404,  401,  409 | User, Administrator |
| DELETE | /api/ YerbaMateOpinions | DeleteYerbaMateOpinionCommand | None | Deletes the yerba mate opinion | 204,  400,  404,  401 | User, Administrator |