

MINIMAL APS

GROUP YOUR ENDPOINTS

FOR BETTER

READABILITY



ENDPOINT BEFORE NETT

No possibility to group similar endpoints, the only way was to add prefixes for every endpoint.

```
app.MapGet("api/items", () => "Get all items");
app.MapGet("api/items/{id}", (int id) => "Get item");
app.MapPost("api/items", () => "Add item");
app.MapPut("api/items/{id}", (int id) => "Update item");
app.MapDelete("api/items/{id}", (int id) => "Delete item");
app.MapGet("api/users", () => "Get all users");
app.MapGet("api/users/{id}", (int id) => "Get user");
app.MapPost("api/users", () => "Add user");
app.MapPut("api/users/{id}", (int id) => "Update user");
app.MapDelete("api/users/{id}", (int id) => "Delete user");
```

```
@romain-od in www.code-review.tech
```



NETT INTRODUCE MAPGROUP()

```
var items = app.MapGroup("api/items/");
items.MapGet("", () => "Get all items");
items.MapGet("{id}", (int id) => "Get item");
items.MapPost("", () => "Add item");
items.MapPut("{id}", (int id) => "Update item");
items.MapDelete("{id}", (int id) => "Delete item");

var users = app.MapGroup("api/users/");
users.MapGet("api/users", () => "Get all users");
users.MapGet("{id}", (int id) => "Get user");
users.MapPost("", () => "Add user");
users.MapPut("{id}", (int id) => "Update user");
users.MapDelete("{id}", (int id) => "Delete user");
```



That great, now we can apply constraints and rules on a bunch of endpoints.

But the list can grow fast.

To improve readability let's create extension method of RouteGroupBuilder and put our group building out of program.cs



EXTENSION METHODS TO READABILITY

```
public static class MyGroups
    public static RouteGroupBuilder GroupItems(this RouteGroupBuilder group)
        group.MapGet("", () => "Get all items");
        group.MapGet("{id}", (int id) => "Get item");
        group.MapPost("", () => "Add item");
        group.MapPut("{id}", (int id) => "Update item");
        group.MapDelete("{id}", (int id) => "Delete item");
        return group;
    }
    public static RouteGroupBuilder GroupUsers(this RouteGroupBuilder group)
        group.MapGet("", () => "Get all users");
        group.MapGet("{id}", (int id) => "Get user");
        group.MapPost("", () => "Add user");
        group.MapPut("{id}", (int id) => "Update user");
        group.MapDelete("{id}", (int id) => "Delete user");
        return group;
```



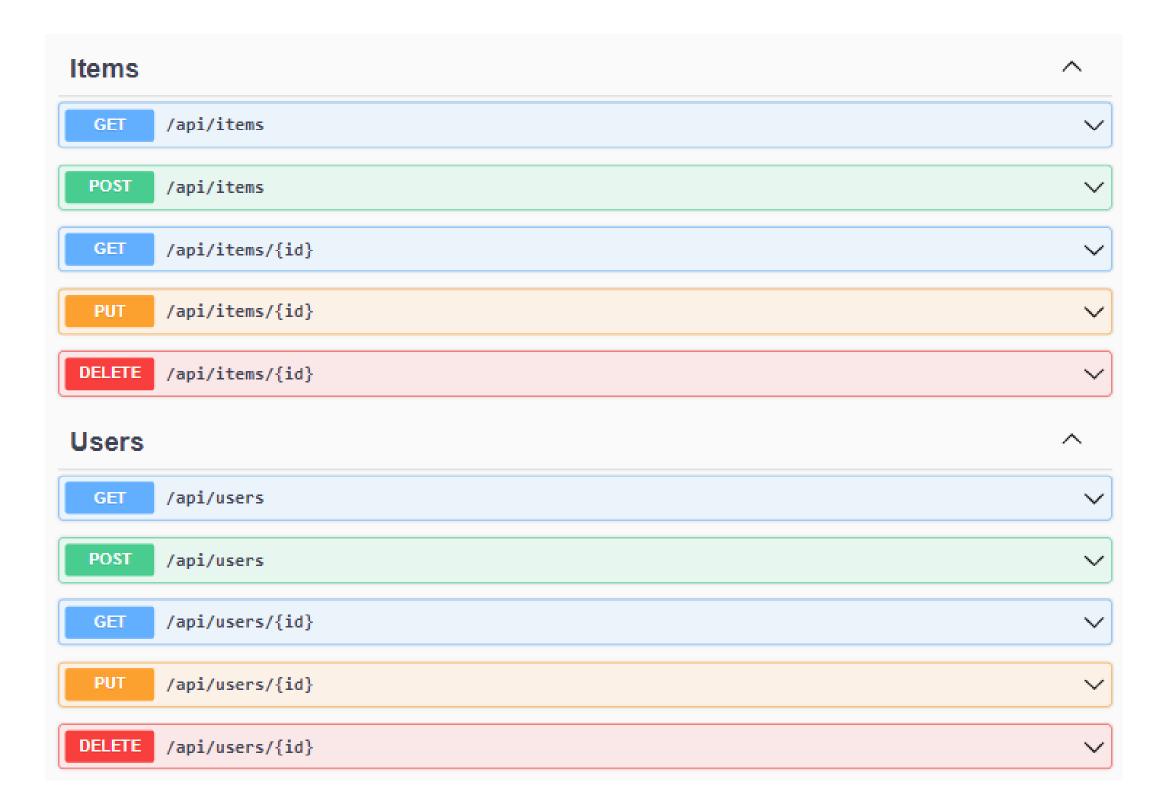
FINAL PROGRAM.CS

```
var builder = WebApplication.CreateBuilder(args);
builder.Services.AddEndpointsApiExplorer();
builder.Services.AddSwaggerGen();
var app = builder.Build();
var items = app.MapGroup("api/items/")
               .GroupItems()
               .WithTags("Items");;
var users = app.MapGroup("api/users/")
               .GroupUsers()
               .WithTags("Users");
app.UseSwagger();
app.UseSwaggerU1();
app.kun();
```



SWAGGER

As you can spot above, I use the WithTags() extensions methods for clearer documentation







THANKS FOR READING SHARE YOUR THOUGHTS

FOLLOW ME FOR MORE SHARING









