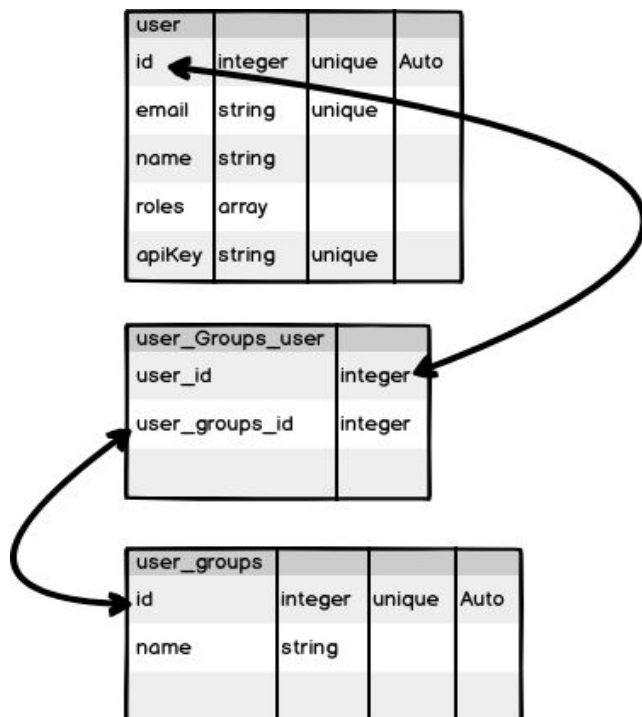


Test Project - user management system

<https://github.com/tanvir1674/test-internation.git>

Overview

In suggested 4 hours, I focused on building api for all the stories proposed. Built them in symfony 4 and tried to showcase the following in the system.



- 1.Symfony Security Component
- 2.Symfony validation constraint
3. REST Api design
4. The Serializer Component
- 5.API Authentication using Guard Authenticator
- 6.basic functional test using phpUnit

Major files worked on

/src/Controller/UserApiController.php
/src/Controller/UserGroupsController.php
/tests/Controller/UserApiControllerTest.php

/src/Entity/User.php and
/src/Entity/UserGroups.php

In the simple process, created two entity User and UserGroups with ManyToMany relation as one user can be assigned to multiple groups. Then created a controller with methods supporting REST api calls. Used Assert for basic property validation, isGranted to controll Admin access and Guard to facilitate token based api authentication.

API Documentaion

GET	/api/users Retrieves the collection of user resources.
	<p>Sample response</p> <pre>{ "users": [{ "email": "ddddddd@test.com", "roles": ["ROLE_ADMIN", "ROLE_USER"], "name": "tanvir alam", "userGroups": [{ "name": "players" }, { "name": "swimmers" }] },] }</pre>
POST	/api/users Creates a user resource.
	<p>Sample json input</p> <pre>{ "email": "ddddddd@test.com", "roles": ["ROLE_ADMIN", "ROLE_USER"], "name": "tanvir alam", "userGroups": [{ "name": "players" }, { "name": "swimmers" }] }</pre>

GET	/api/users/{id} Retrieves a user resource.
	<p>Sample Output response</p> <pre>{ "user": { "email": "b@test.com", "roles": ["ROLE_ADMIN", "ROLE_USER"], "name": "jewel", "userGroups": [] } }</pre>
DELETE	/api/users/{id} Remove a user resource.
PUT	/api/users/{id} Updates the user resource.
	<p>Sample json input</p> <pre>{ "email": "ddddddd@test.com", "roles": ["ROLE_ADMIN", "ROLE_USER"], "name": "tanvir alam", "userGroups": [{ "name": "players" }, { "name": "swimmers" }] }</pre>

GET	/api/groups	Retrieves the collection of group resources.
	Sample response <pre> { "groups": [{ "name": "players" }, { "name": "swimmers" }] } </pre>	
POST	/api/groups	Creates a group resource.
	Sample json input <pre> { "name": "swimmers" } </pre>	
GET	/api/groups/{id}	Retrieves a group resource.
	Sample Output response <pre> { "name": "swimmers" } </pre>	
DELETE	/api/groups/{id}	Remove a group resource.
PUT	/api/groups/{id}	Updates the group resource.