

Hópverkefni 1

Authors

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SETUP

Run locally:

If desired, it is possible to set up the project locally by cloning this repository:

```
> git clone https://github.com/Egill21/veff-hopverkefni1.git
> cd veff-hopverkefni1
> git remote remove origin
> git remote add origin <link to repo>
> git push -u origin master
```

- Postgres database and a Cloudinary account is needed and the following variables need to be defined in a .env file in the root of the project:
 - DATABASE_URL
 - JWT_SECRET
 - CLOUDINARY_CLOUD
 - CLOUDINARY_API_KEY
 - CLOUDINARY_API_SECRET
- To set up the project, run the following commands from the command line:
 - npm install
 - npm run setup
- Finally, to run the project, run the following command:
 - npm run dev

Run online

TODOO Heroku link here

Web API routes and examples

- /
 - GET returns all possible routes

Users

- **/users/**
 - **GET** returns all users, only if user is admin
- **/users/:id**
 - **GET** returns user, only if user is admin
 - **PATCH** changes user, only if user is admin

```
> {  
>   "admin": true  
> }
```

- **/users/register**
 - **POST** confirms and creates user. returns authentication token and email. User is not admin by default

```
> {  
>   "username": "john123",  
>   "email": "john@john.com",  
>   "password": "123456"  
> }
```

- **/users/login**
 - **POST** with email and password returns token if data is correct

```
> {  
>   "email": "john@john.com",  
>   "password": "123456"  
> }
```

- **/users/me**
 - **GET** returns user information about the owner of the token, authentication and email, only if user is logged in
 - **PATCH** updates email, password or both if data is correct, only if user is logged in

```
> {  
>   "email": "john2@john.com",  
>   "password": "654321"  
> }
```

Products

- **/products**
 - **GET** returns a page of products, most recently added first
 - **POST** creates new product if valid only if user is admin

```
> {
>   "title": "Intelligent Wooden Pizza",
>   "price": 370,
>   "descr": "Ad quia aut et et. Dolorem aut suscipit temporibus. Veniam ut et eos est.",
>   "img": (link to photo) [optional],
>   "category": "Toys",
> }
```

- **/products?category={category}**
 - **GET** returns a page of products in the category, most recently added first
- **/products?search={query}**
 - **GET** Returns a page of products where **{query}** is in the title or description, most recently added first
- **/products/:id**
 - **GET** returns product
 - **PATCH** updates product, only if user is admin

```
> {
>   "title": "Tasty Soft Cheese"
> }
```

- **DELETE** deletes product, only if user is admin
- **/categories**
 - **GET** returns page of categories
 - **POST** creates category if valid and returns it, only if user is admin

```
> {
>   "title": "Toys"
> }
```

- **/categories/:id**
 - **PATCH** updates category, only if user is admin

```
> {
>   "title": "Tools"
> }
```

- **DELETE** deletes category, only if user is admin

Cart/orders

- **/cart**

- **GET** returns the users cart and its content and total price, only if user is logged in
- **POST** adds product to cart, amount and product id are required, only if user is logged in

```
> {  
>   "productId": "Tools",  
>   "amount": 2  
> }
```

- **/cart/line/:id**

- **GET** returns line in cart including amount and information about product, only if user is logged in
- **PATCH** updated the amount in a line in the users cart, only if user if logged in

```
> {  
>   "amount": 3  
> }
```

- **DELETE** deletes line from users cart, only if user is logged in
- **/orders**
 - **GET** returns a page of orders, most recently added orders first, if regular user: only the users orders, if admin: all orders
 - **POST** creates order from cart with appropriate values, only if user is logged in
- **/orders/:id**
 - **GET** returns the order with all lines, the orders values and total price of order, only if user is logged in or if user is admin