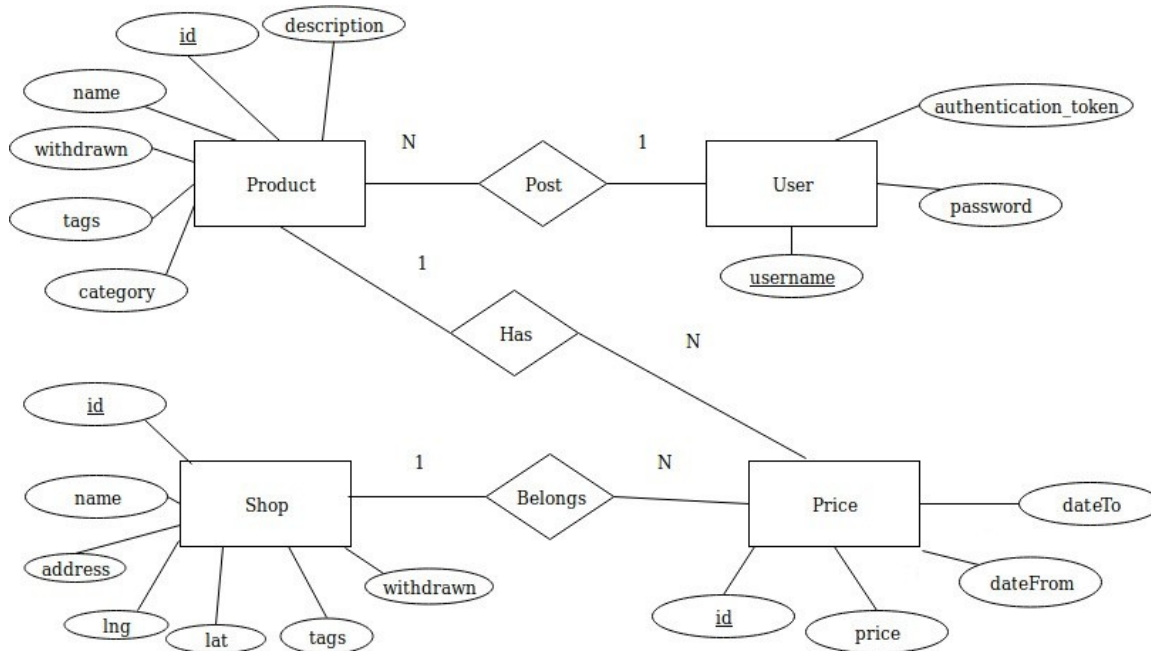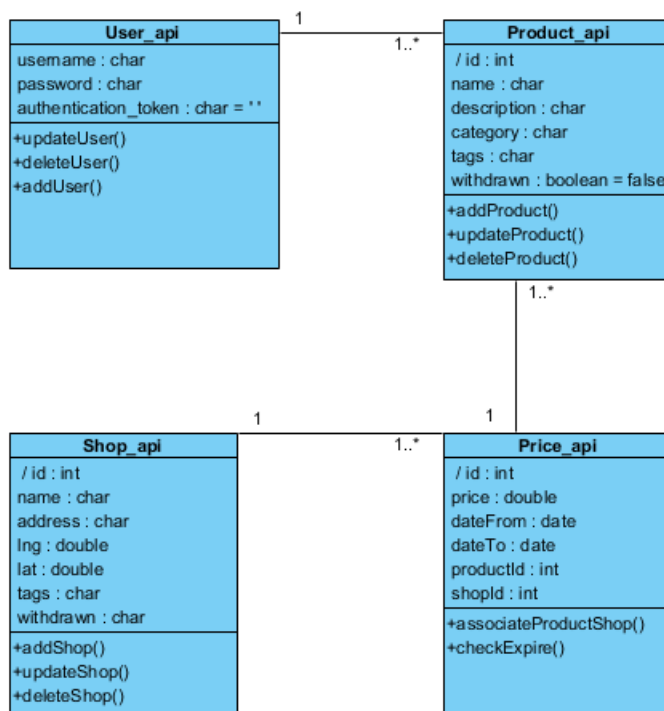## Διαγράμματα

Ακολουθεί ένα σύνολο από UML και ER διαγράμματα που έχουμε δημιουργήσει για τους σκοπούς αυτής της άσκησης.

E-R diagram
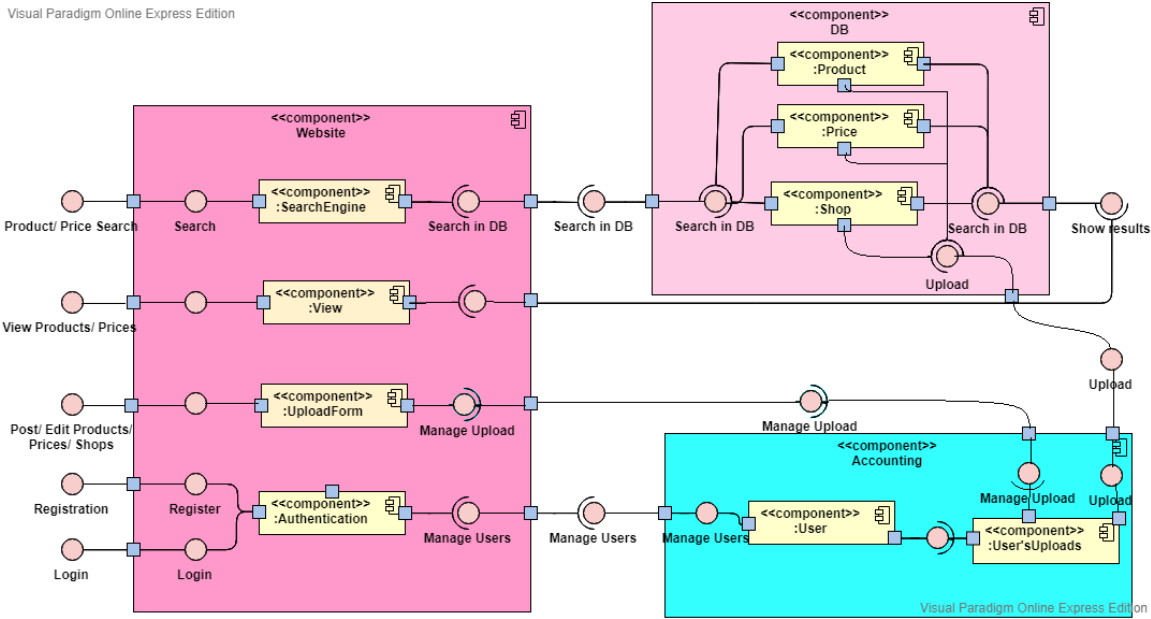

UML Class diagram
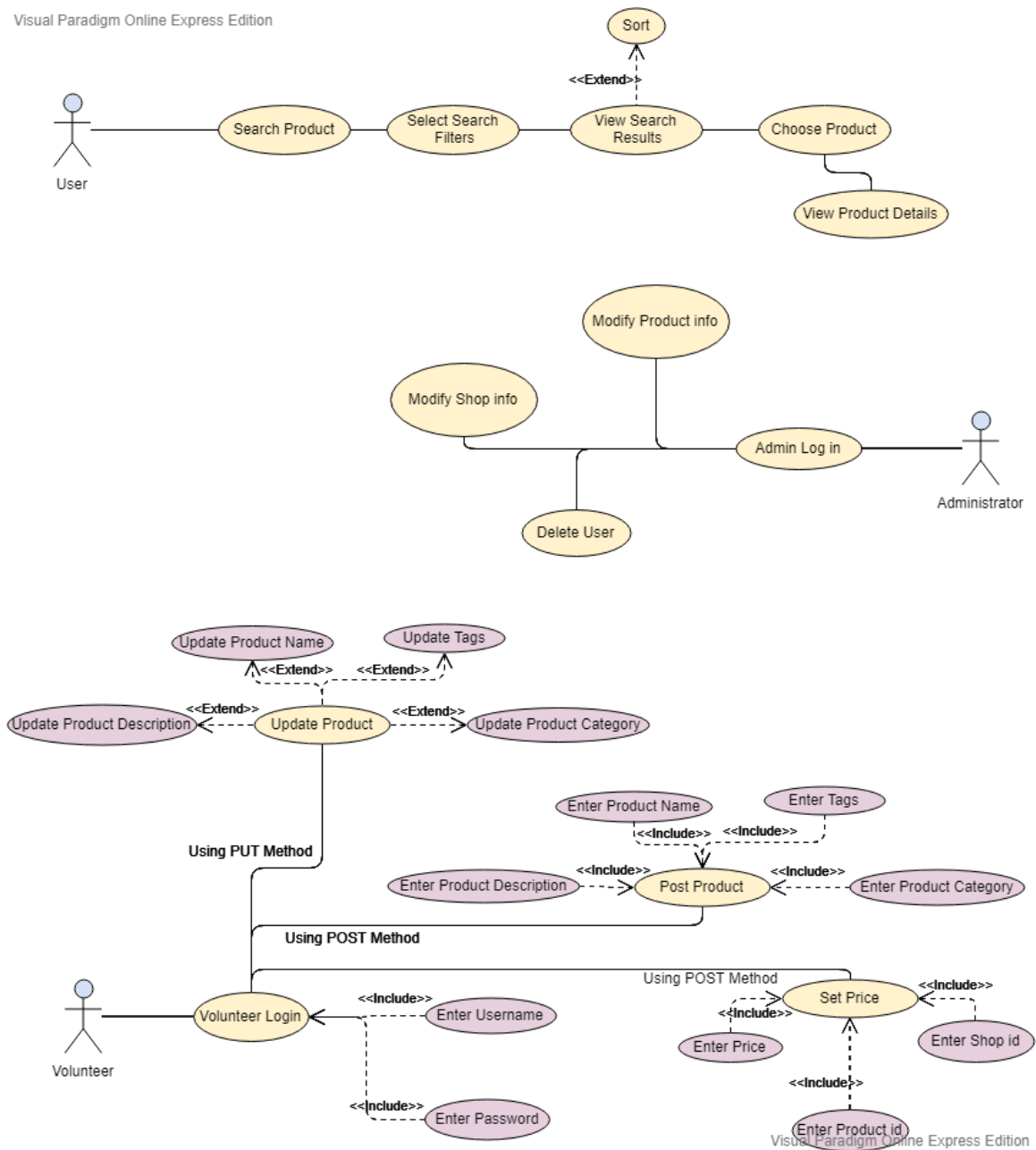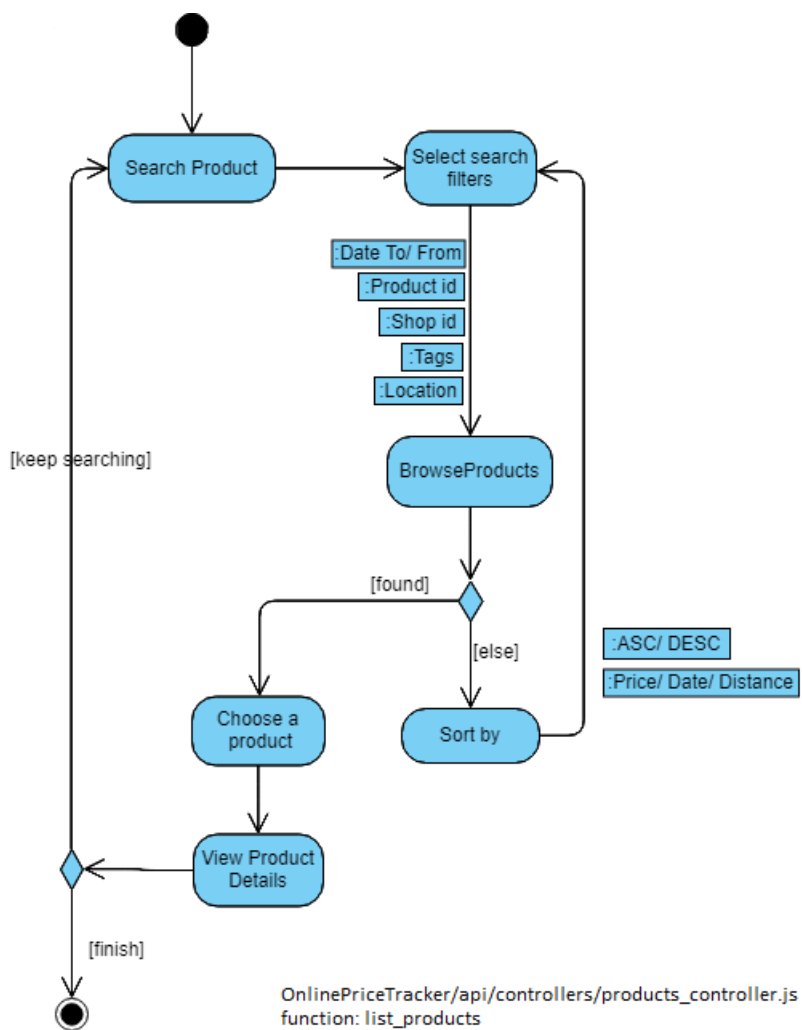
UML Component diagram

UML usecases diagrams

Sort

Search Product — Select Search Filters — View Search Results <<Extend>> — Choose Product

View Product Details

User

Modify Product info

Modify Shop info

Admin Log in

Delete User

Administrator

Update Product Name

Update Tags

Update Product Description <<Extend>> — Update Product <<Extend>> — Update Product Category

<<Extend>>   <<Extend>>

Enter Product Name

Enter Tags

<<Include>>   <<Include>>

Enter Product Description <<Include>> — Post Product — <<Include>> Enter Product Category

Using PUT Method

Using POST Method

Using POST Method

<<Include>>

Set Price — <<Include>> Enter Shop id

<<Include>>

Enter Price

Volunteer Login — <<Include>> — Enter Username

<<Include>>

Enter Product id

<<Include>>

Enter Password

Volunteer

UML Activity diagram (search product)

Start

Search Product → Select search filters

:Date To/ From
:Product id
:Shop id
:Tags
:Location

BrowseProducts

[found]
[else]

:ASC/ DESC
:Price/ Date/ Distance

Choose a product

Sort by

View Product Details

[keep searching]

[finish]

OnlinePriceTracker/api/controllers/products_controller.js
function: list_products

UML sequence diagram (search product)

Visitor

Website

Database

Search Product

Choose filters

Date to-from/ Product ID/ Shop ID/ Tags/ Location

Search for matching Products

Return Product list

Show Products

Sort Products
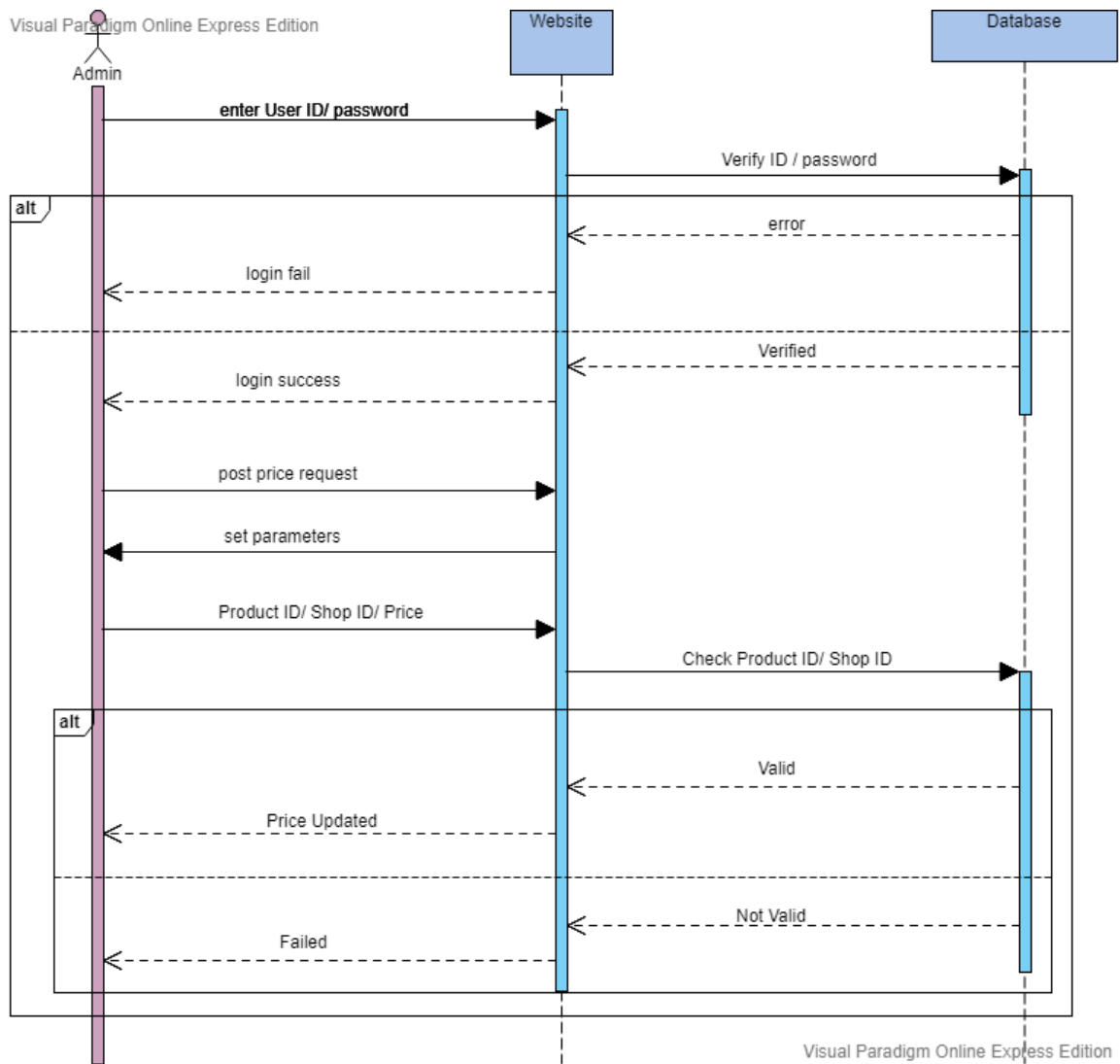
Sorted list

Choose Product

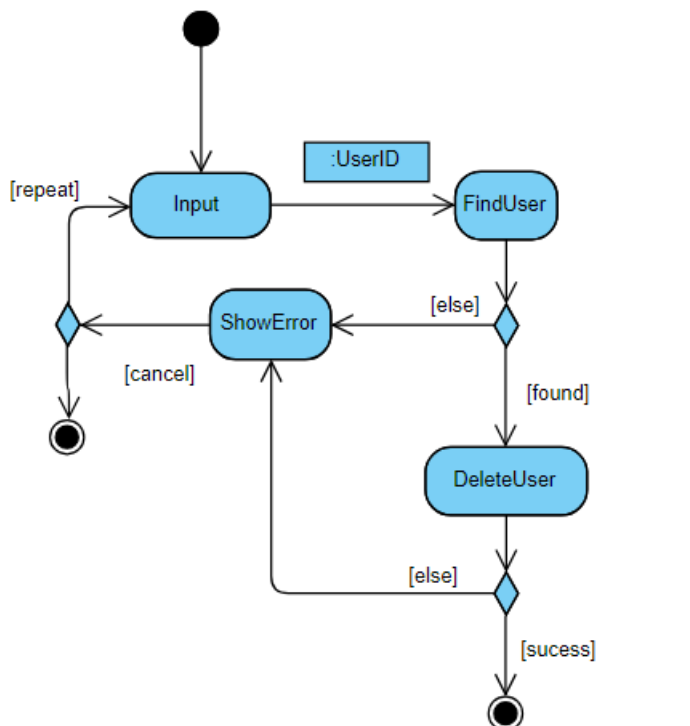View Product details
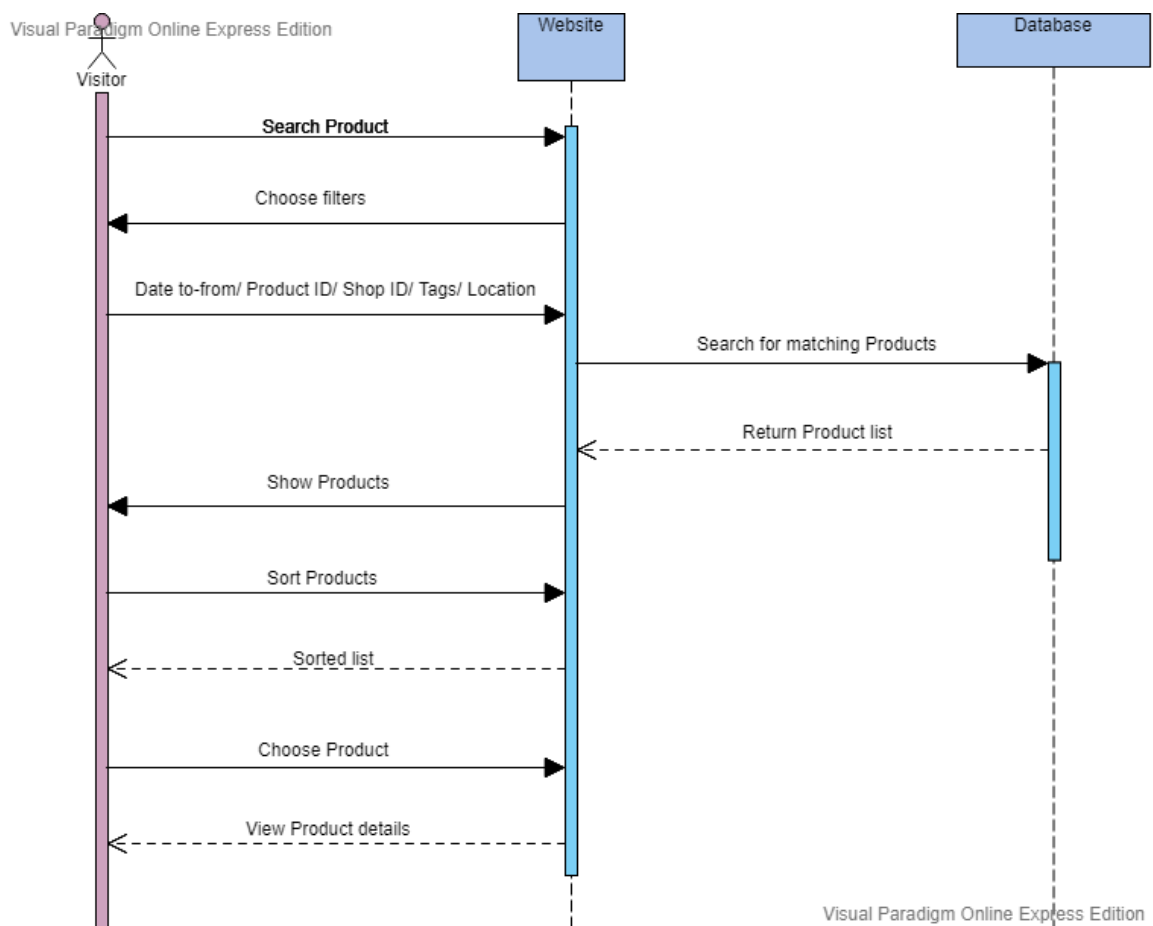
UML Activity diagram (post price)
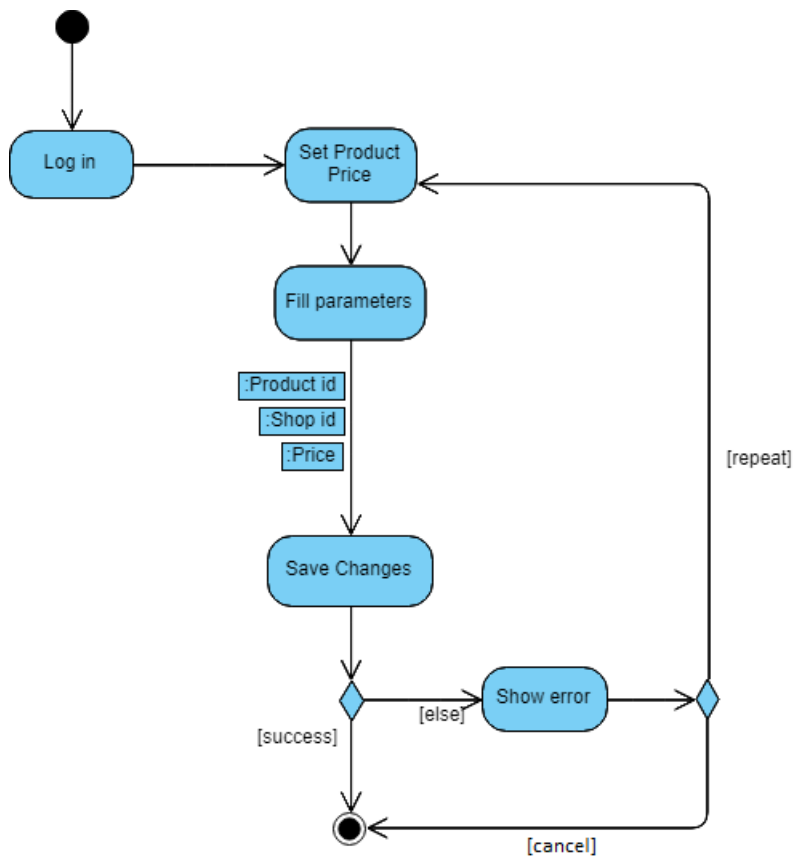
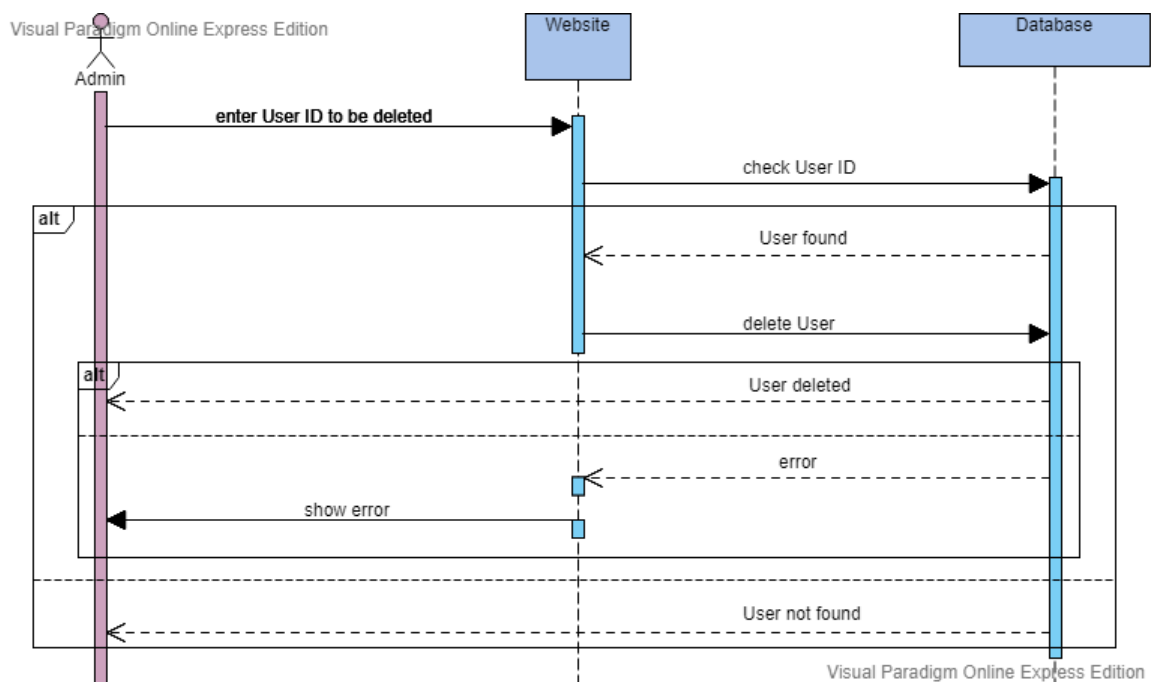OnlinePriceTracker/api/cntrollers/prices_controller.js
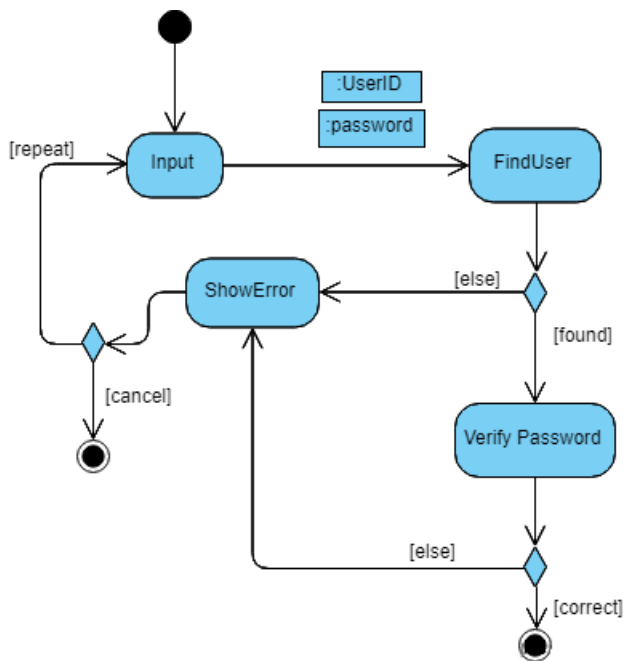
UML Sequence diagram (post price)

UML Activity diagram (delete user)
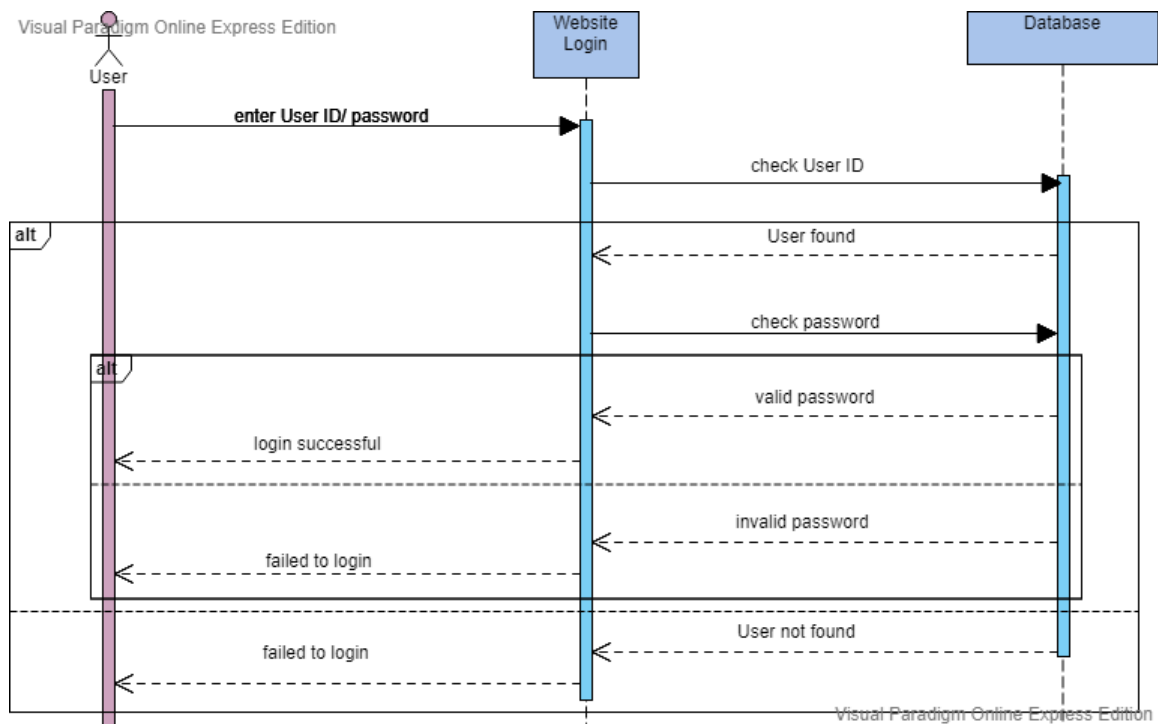
UML Sequence diagram (delete user)
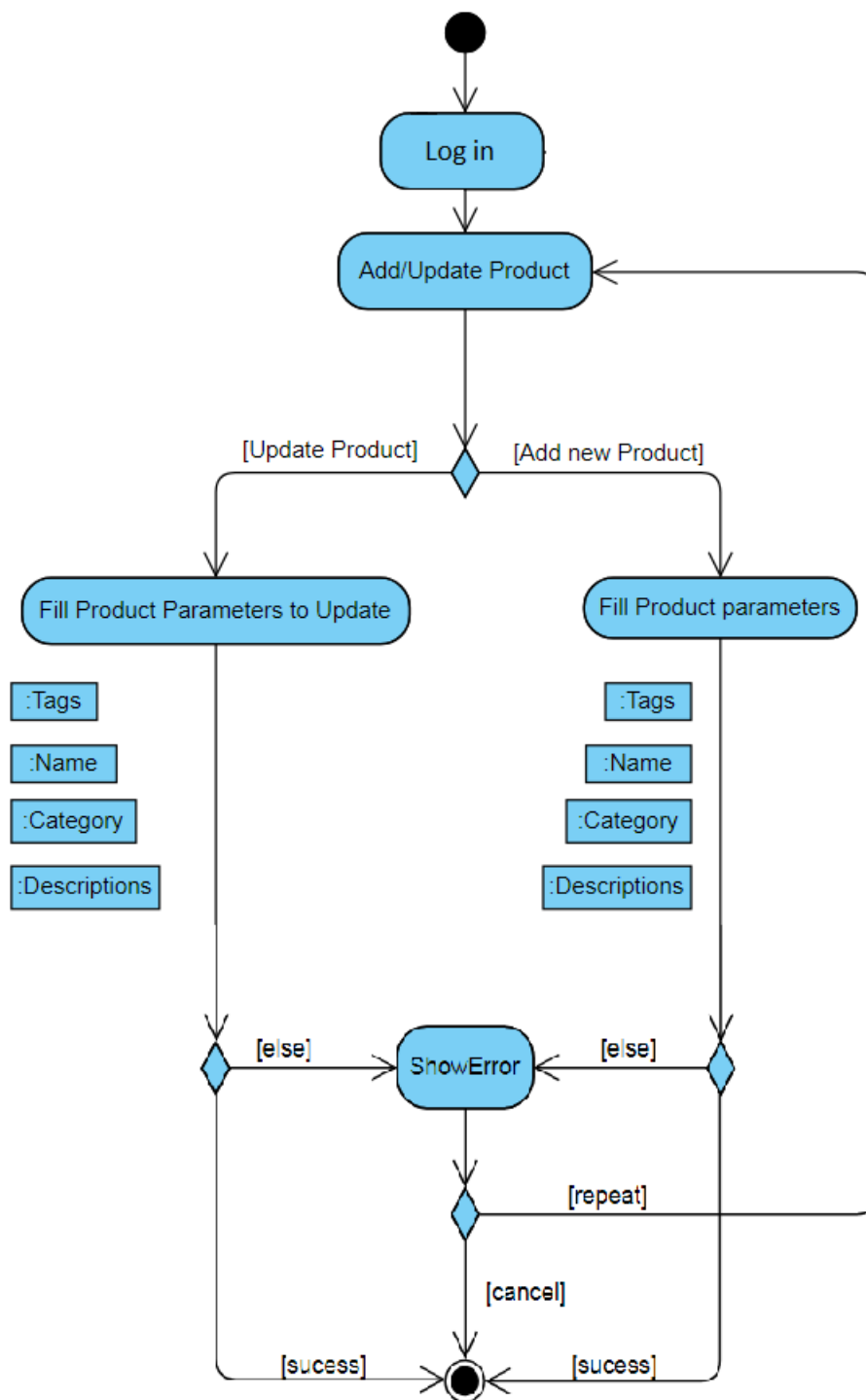

UML Activity diagram (login)

OnlinePriceTracker/routes/user.js
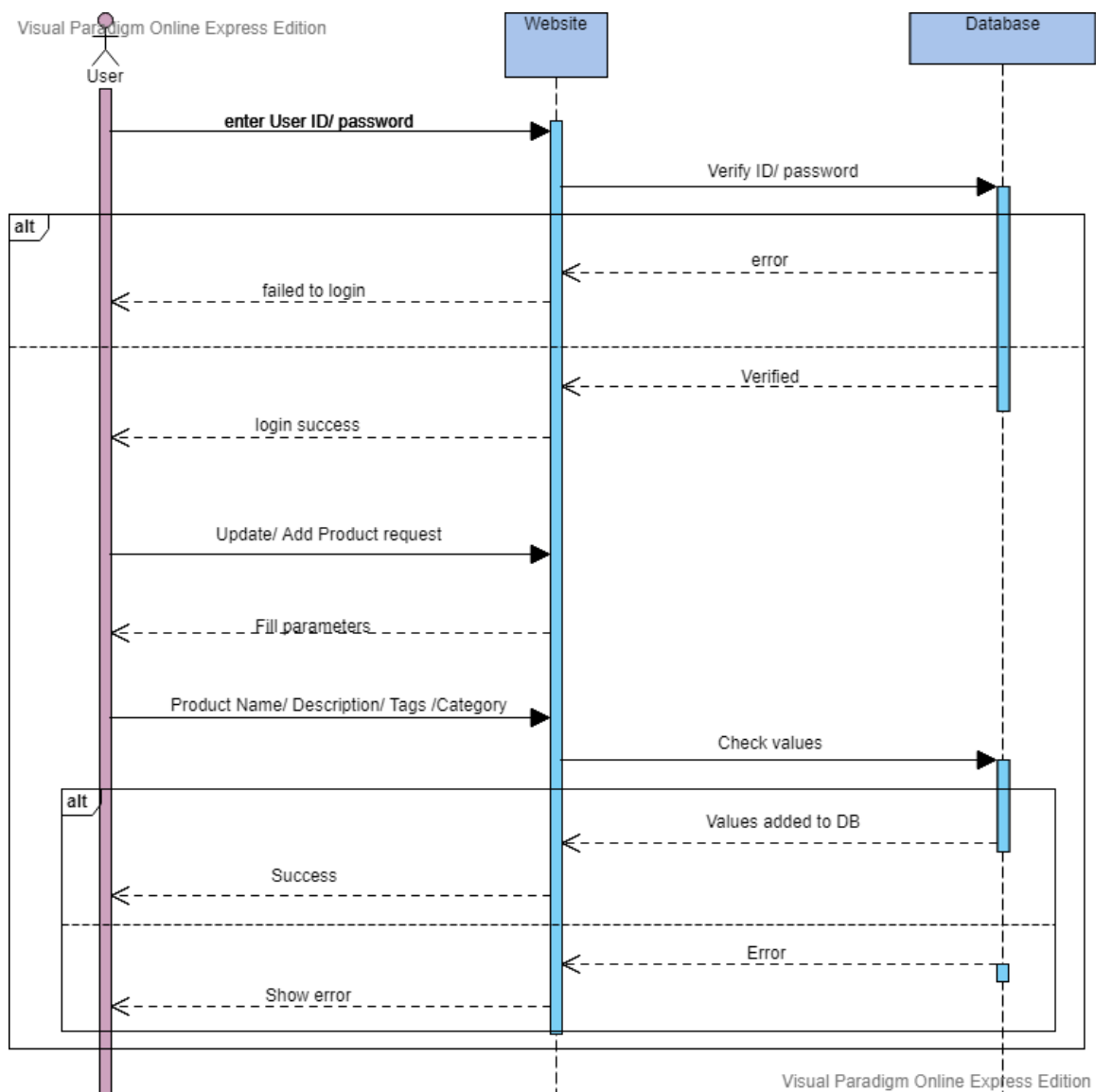
UML Sequence diagram (login)

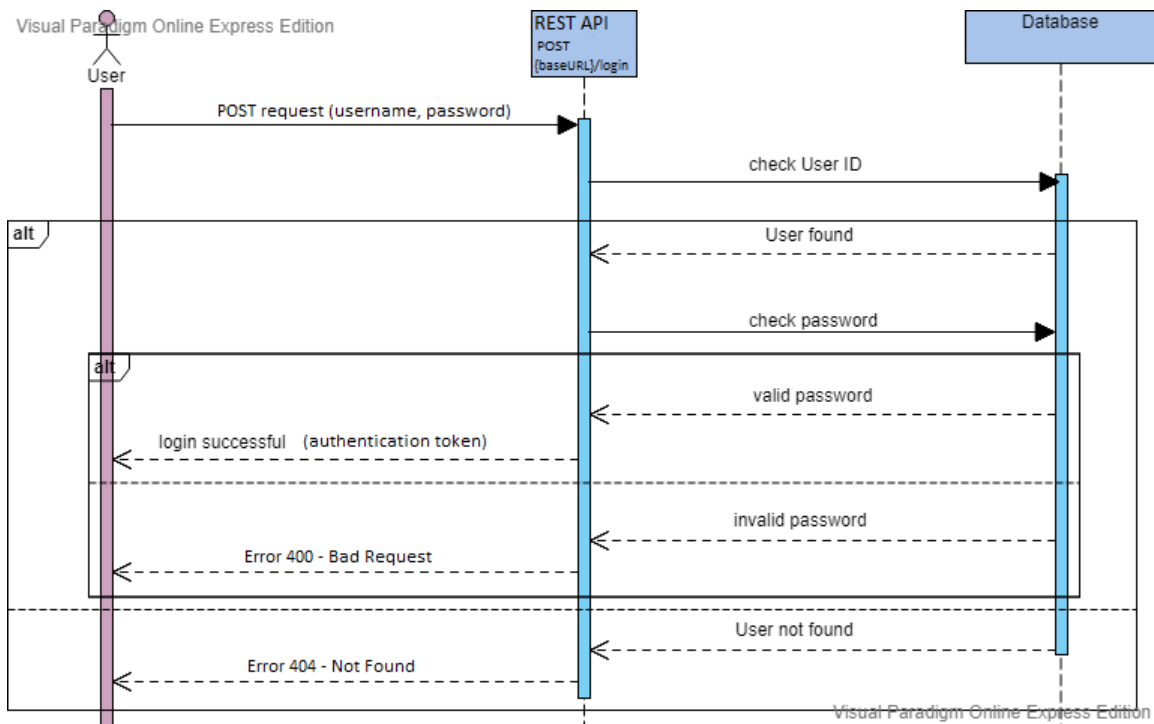## UML Activity diagram (post/update product)

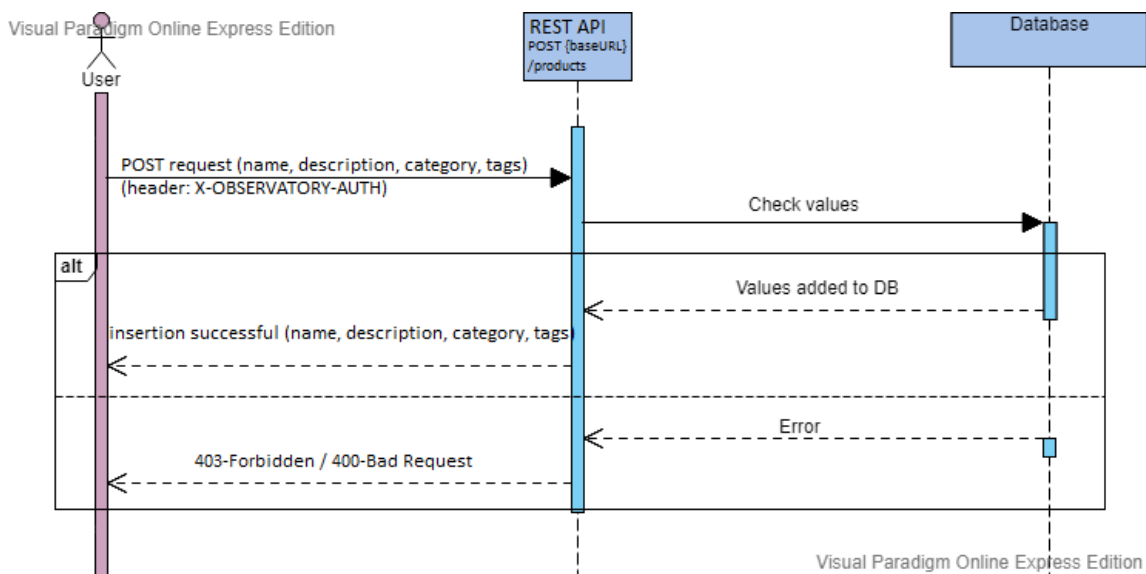OnlinePriceTracker/api/controllers/products_controller.js
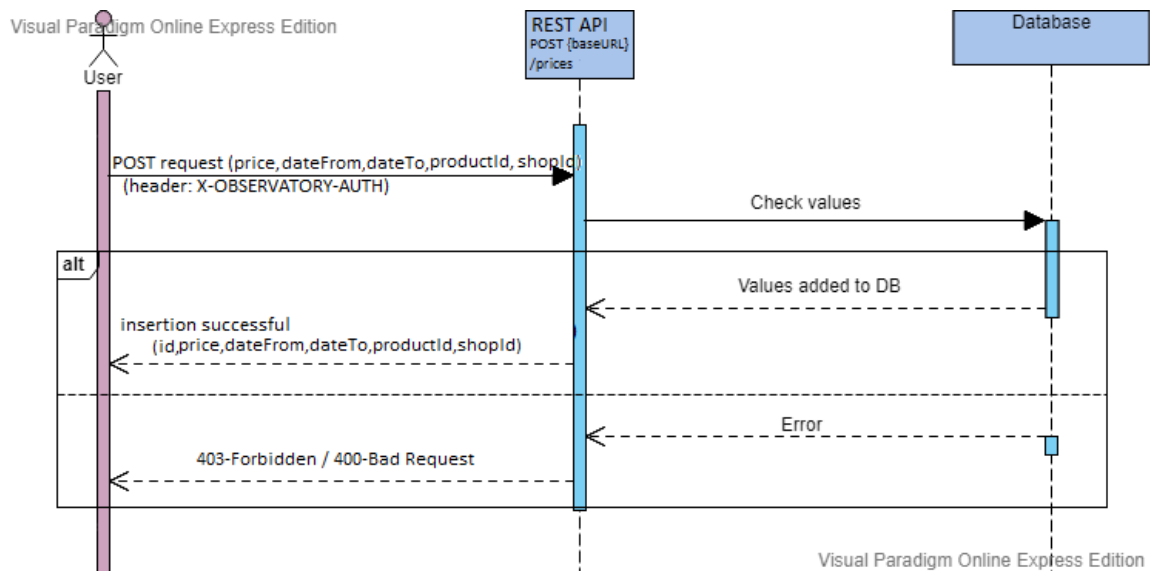
UML Sequence diagram (post/update product)

UML Sequence diagram (REST API POST {baseURL}/login)

UML Sequence diagram (REST API POST {baseURL}/products)

UML Sequence diagram (REST API POST {baseURL}/prices)

REST API
POST {baseURL}
/prices

Database

User

POST request (price,dateFrom,dateTo,productId, shopId)
(header: X-OBSERVATORY-AUTH)

Check values

alt

Values added to DB

insertion successful
(id,price,dateFrom,dateTo,productId,shopId)

Error

403-Forbidden / 400-Bad Request

UML Sequence diagram (REST API GET {baseURL}/prices)

REST API
GET {baseURL}
/prices

Database

User

GET request (start, count, geoDist, geoLng,geoLat,
dateFrom, dateTo, shops, products, tags, sort)

Search for matching Products

alt

Return Product list

search successful (start, count, total, prices)

Error

400-Bad Request