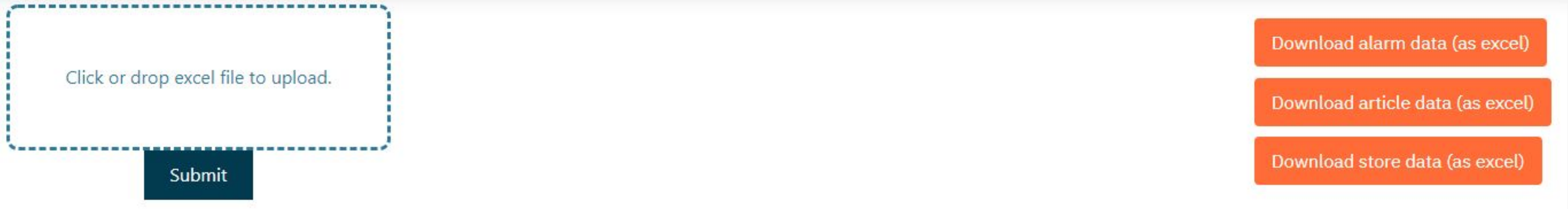
nedap

— Final Sprint review —

Team Nedap - 6

Exporting and importing data - security

- Upload file security
  - Check if not suspiciously small
  - Check if really a excel file and not file with .xslx appended
- Download file

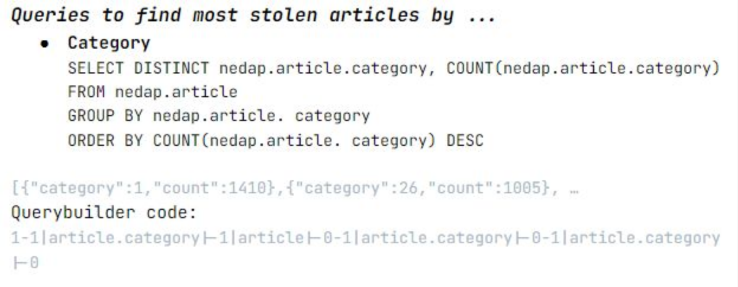


Click or drop excel file to upload.

Submit
Download alarm data (as excel)
Download article data (as excel)
Download store data (as excel)

Querybuilder

- Syntax
- Code for building
- Security

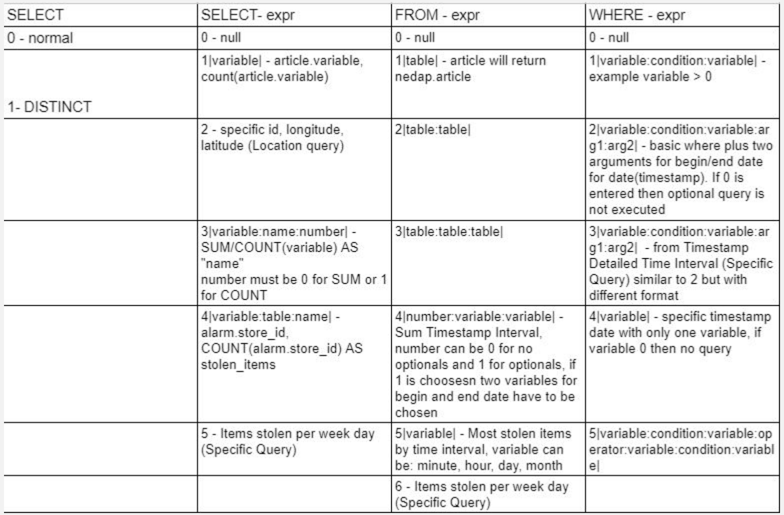


Queries to find most stolen articles by ...

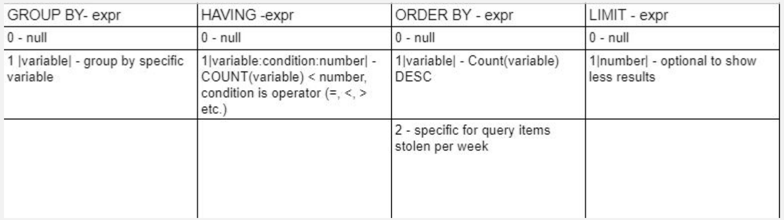
- **Category**

```
SELECT DISTINCT nedap.article.category, COUNT(nedap.article.category)
FROM nedap.article
GROUP BY nedap.article. category
ORDER BY COUNT(nedap.article. category) DESC
```

```
[{"category":1,"count":1410},{"category":26,"count":1005}, …
Querybuilder code:
1-1|article.category⊢1|article⊢0-1|article.category⊢0-1|article.category
⊢0
```



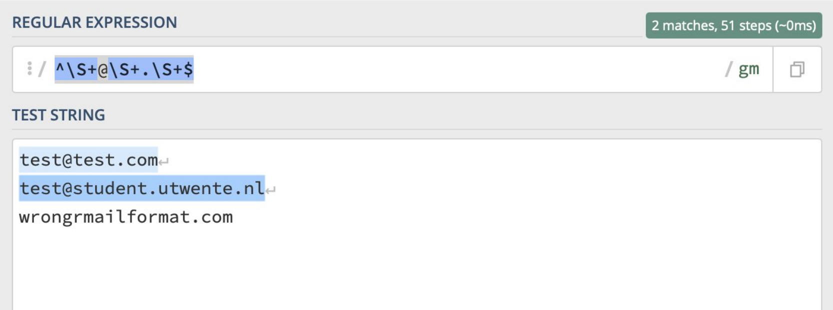
SELECT	SELECT- expr	FROM - expr	WHERE - expr
0 - normal	0 - null	0 - null	0 - null
1- DISTINCT	1|variable| - article.variable, count(article.variable)	1|table| - article will return nedap.article	1|variable:condition:variable| - example variable > 0
	2 - specific id, longitude, latitude (Location query)	2|table:table|	2|variable:condition:variable:arg1:arg2| - basic where plus two arguments for begin/end date for date(timestamp). If 0 is entered then optional query is not executed
	3|variable:name:number| - SUM/COUNT(variable) AS "name" number must be 0 for SUM or 1 for COUNT	3|table:table:table|	3|variable:condition:variable:arg1:arg2| - from Timestamp Detailed Time Interval (Specific Query) similar to 2 but with different format
	4|variable:table:name| - alarm.store_id, COUNT(alarm.store_id) AS stolen_items	4|number:variable:variable| - Sum Timestamp Interval, number can be 0 for no optionals and 1 for optionals, if 1 is choosesn two variables for begin and end date have to be chosen	4|variable| - specific timestamp date with only one variable, if variable 0 then no query
	5 - Items stolen per week day (Specific Query)	5|variable| - Most stolen items by time interval, variable can be: minute, hour, day, month	5|variable:condition:variable:operator:variable:condition:variable|
		6 - Items stolen per week day (Specific Query)	



GROUP BY- expr	HAVING -expr	ORDER BY - expr	LIMIT - expr
0 - null	0 - null	0 - null	0 - null
1 |variable| - group by specific variable	1|variable:condition:number| - COUNT(variable) < number, condition is operator (=, <, > etc.)	1|variable| - Count(variable) DESC	1|number| - optional to show less results
		2 - specific for query items stolen per week	

User Input Sanitization

Email syntax check with regex: *^\S+@\S+.\S+$*



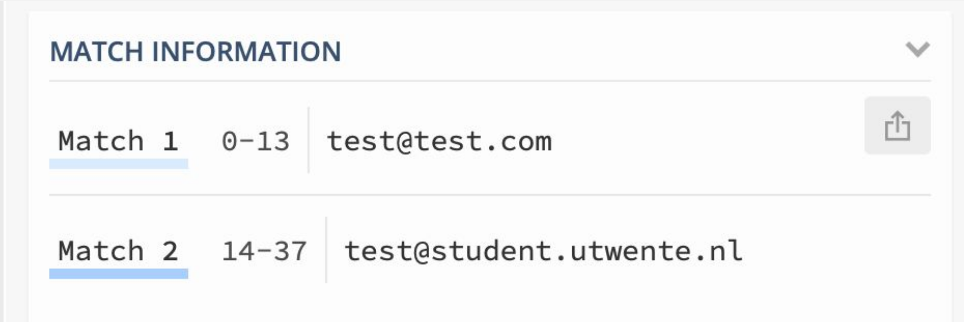
REGULAR EXPRESSION

2 matches, 51 steps (~0ms)

```
/ ^\S+@\S+.\S+$ / gm
```

TEST STRING

```
test@test.com
test@student.utwente.nl
wrongrmailformat.com
```

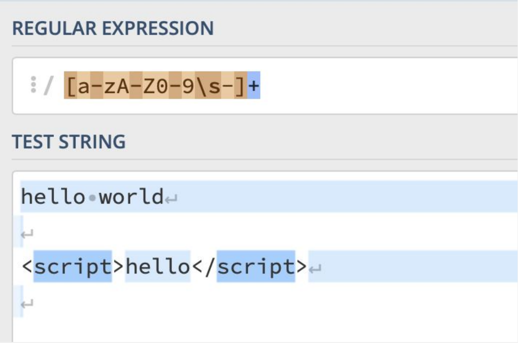


MATCH INFORMATION

```
Match 1   0-13    test@test.com
Match 2   14-37   test@student.utwente.nl
```

User Input Sanitization

User input check with regex: *[a-zA-Z0-9\s-]+*

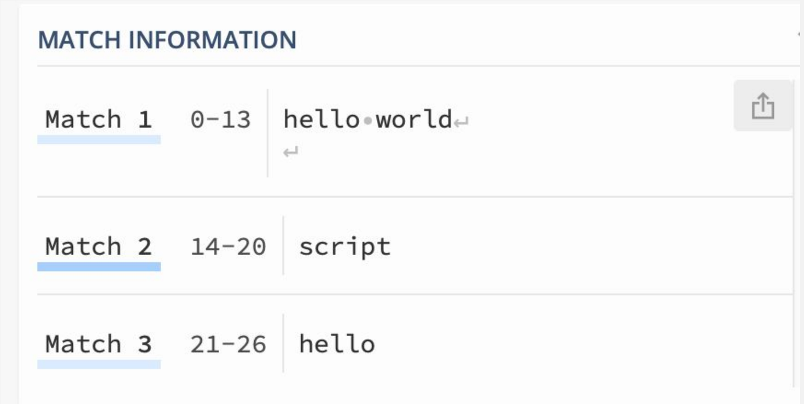


REGULAR EXPRESSION

```
/ [a-zA-Z0-9\s-]+
```

TEST STRING

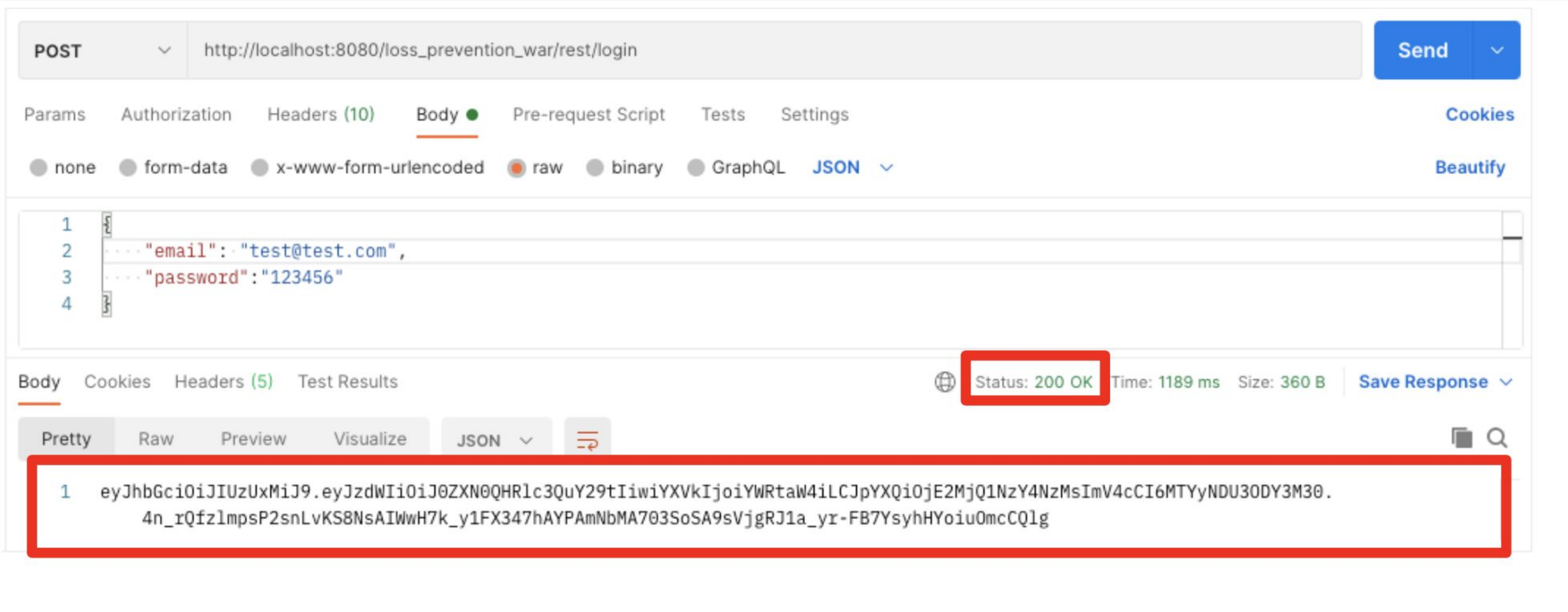
```
hello world

<script>hello</script>
```



MATCH INFORMATION

Match 1	0-13	hello world
Match 2	14-20	script
Match 3	21-26	hello

JWT Token



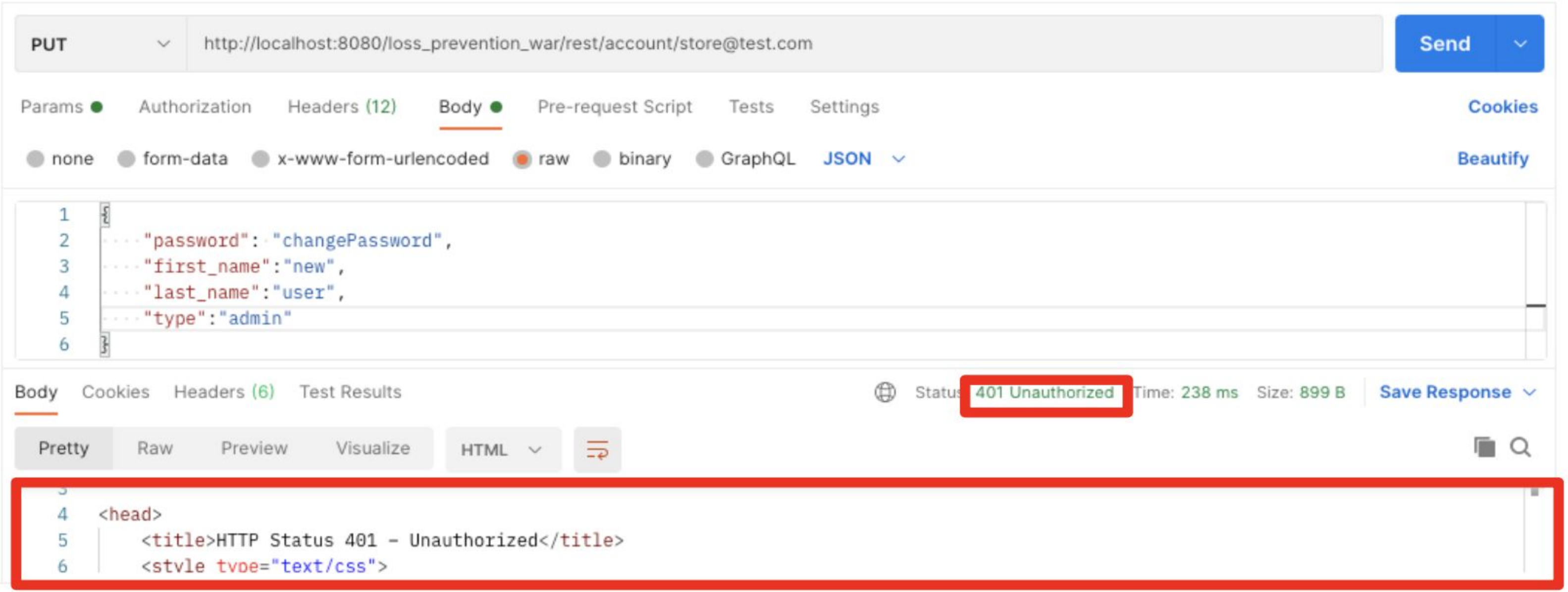
POST http://localhost:8080/loss_prevention_war/rest/login

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

Status: 200 OK Time: 1189 ms Size: 360 B

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0QHRlc3QuY29tIiwiYXVkIjoiYWRtaW4iLCJpYXQiOjE2MjQ1NzY4NzMsImV4cCI6MTYyNDU3ODY3M30.
    4n_rQfzlmpsP2snLvKS8NsAIWwH7k_y1FX347hAYPAmNbMA703SoSA9sVjgRJ1a_yr-FB7YsyhHYoiuOmcCQlg
```

Request with JWT token



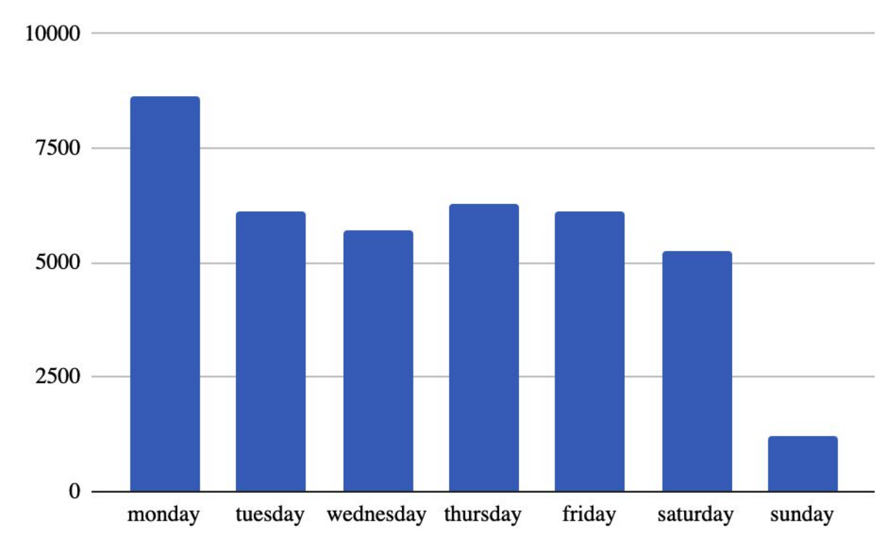
PUT http://localhost:8080/loss_prevention_war/rest/account/store@test.com

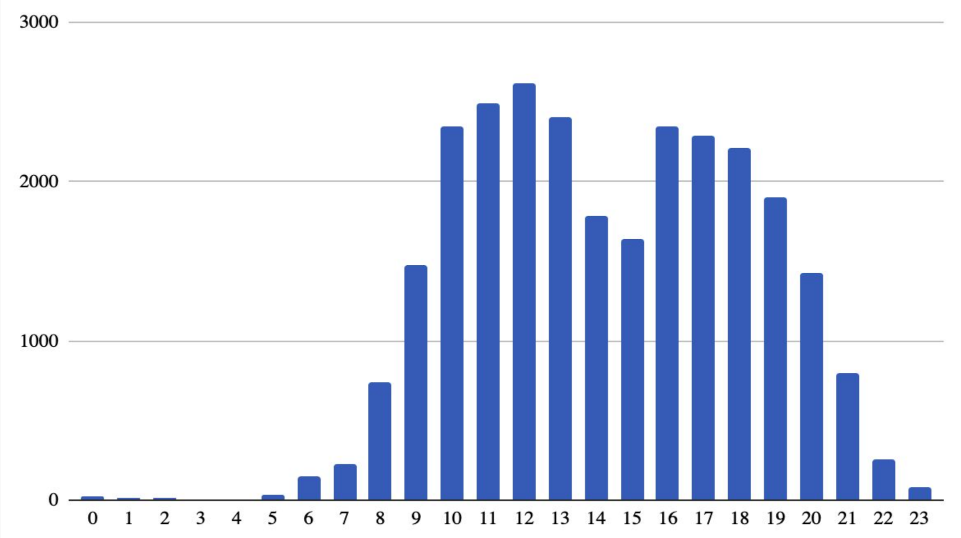
```
{
    "password": "changePassword",
    "first_name":"new",
    "last_name":"user",
    "type":"admin"
}
```

Status: 401 Unauthorized Time: 238 ms Size: 899 B

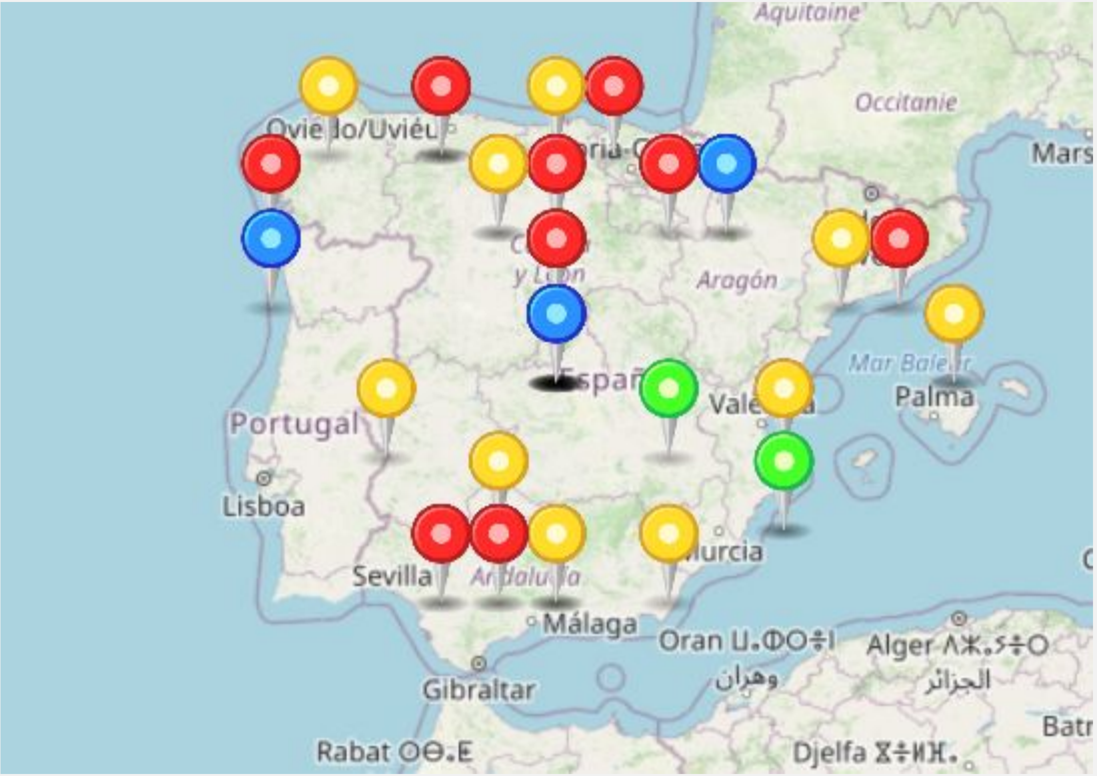
```
<head>
    <title>HTTP Status 401 – Unauthorized</title>
    <style type="text/css">
```

Queries

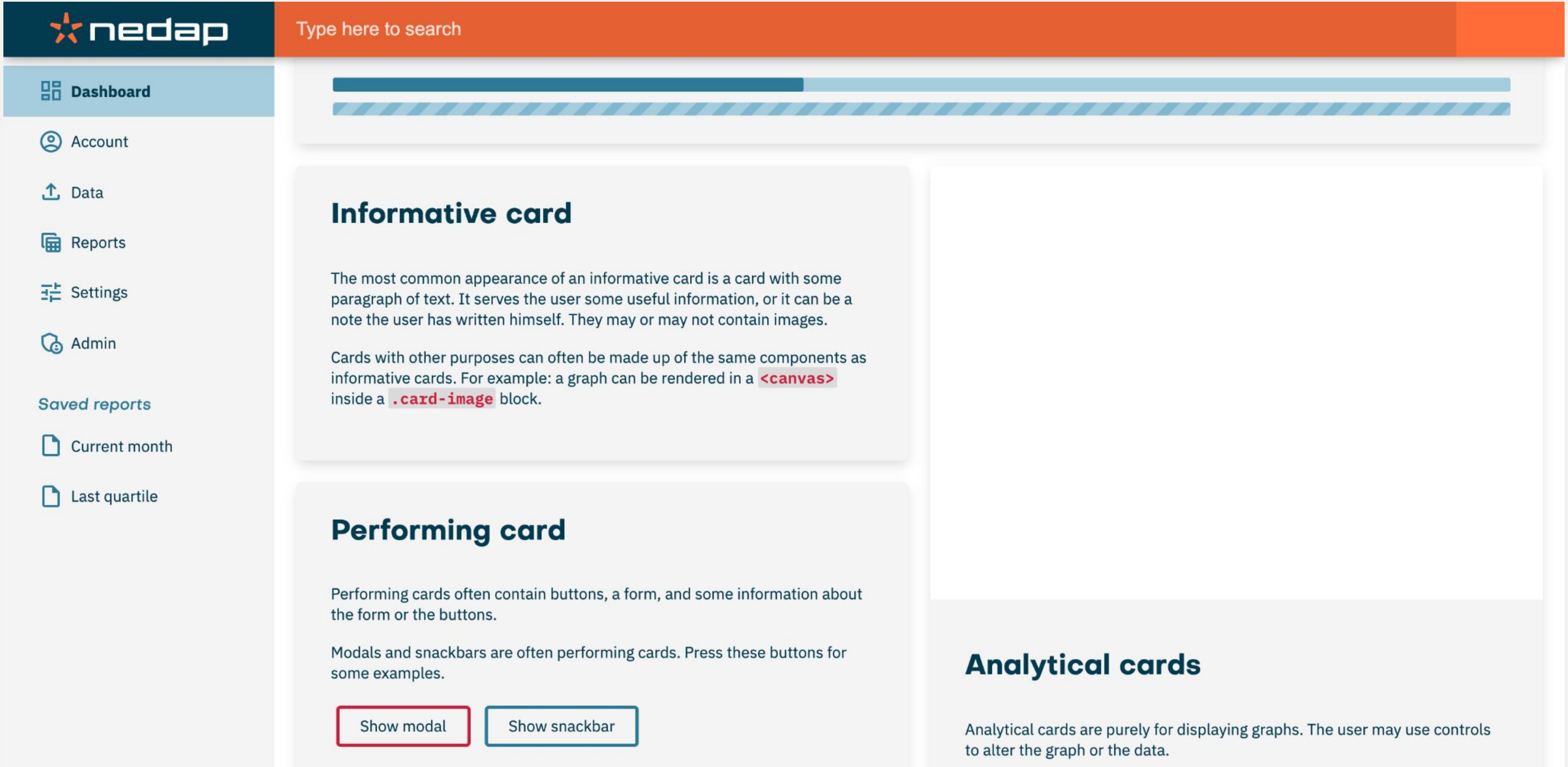

10000
7500
5000
2500
0
monday
tuesday
wednesday
thursday
friday
saturday
sunday


3000
2000
1000
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

Why?


Aquitaine
Occitanie
Mars
Ovie lo/Uviéu
Aragón
y León
Mar Bale r
Palma
Portugal
Lisboa
Sevilla
Andalu ía
urcia
Málaga
Oran
وهران
Alger
الجزائر
Gibraltar
Rabat
Djelfa
Batı

Siesta



Informative card

The most common appearance of an informative card is a card with some paragraph of text. It serves the user some useful information, or it can be a note the user has written himself. They may or may not contain images.

Cards with other purposes can often be made up of the same components as informative cards. For example: a graph can be rendered in a `<canvas>` inside a `.card-image` block.

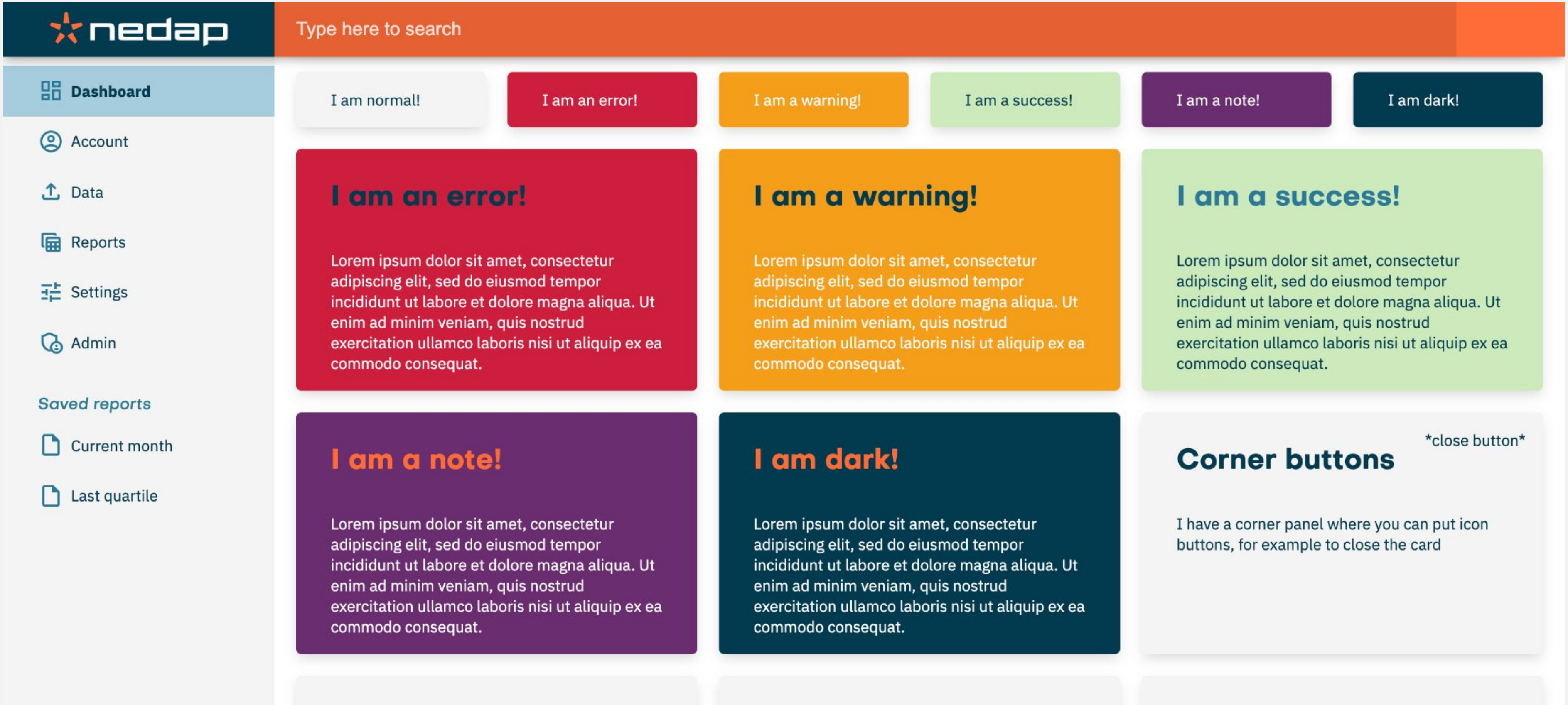
Performing card

Performing cards often contain buttons, a form, and some information about the form or the buttons.

Modals and snackbars are often performing cards. Press these buttons for some examples.

Analytical cards

Analytical cards are purely for displaying graphs. The user may use controls to alter the graph or the data.



I am an error!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

I am a warning!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

I am a success!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

I am a note!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

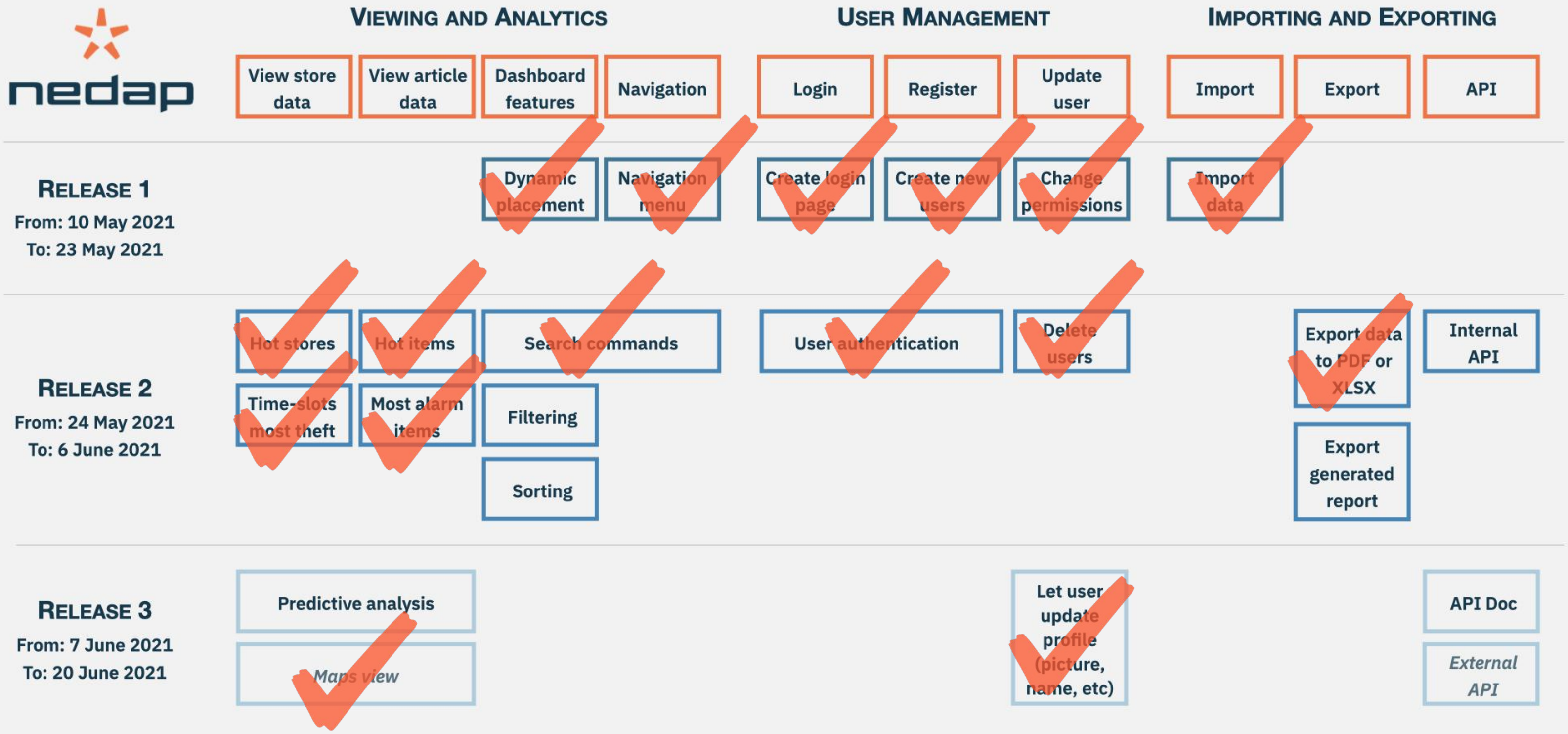
I am dark!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Corner buttons

I have a corner panel where you can put icon buttons, for example to close the card

Story Map



	Viewing and Analytics				User Management			Importing and Exporting		
	View store data	View article data	Dashboard features	Navigation	Login	Register	Update user	Import	Export	API
Release 1 From: 10 May 2021 To: 23 May 2021			Dynamic placement ✓	Navigation menu ✓	Create login page ✓	Create new users ✓	Change permissions ✓	Import data ✓		
Release 2 From: 24 May 2021 To: 6 June 2021	Hot stores ✓ Time-slots most theft ✓	Hot items ✓ Most alarm items ✓	Search commands ✓ Filtering Sorting		User authentication ✓		Delete users ✓		Export data to PDF or XLSX ✓ Export generated report	Internal API
Release 3 From: 7 June 2021 To: 20 June 2021	Predictive analysis *Maps view* ✓						Let user update profile (picture, name, etc) ✓			API Doc *External API*