Sprawozdanie - Zaawansowane technologie bazodanowe

Laboratorium 3 - 22.11.2019

CouchDB

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Zadanie 1

Utworzenie bazy danych

curl -X PUT http://nosql.kis.agh.edu.pl:5984/dwrobel

Zadanie 2

Utworzenie i dodawanie dokumentów

- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel -H "Content-Type: application/json" -d @an1.json
- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel
 -H "Content-Type: application/json" -d @an2.json
- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel -H "Content-Type: application/json" -d @ms1.json
- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel -H "Content-Type: application/json" -d @ms2.json
- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel -H "Content-Type: application/json" -d @as1.json
- curl -X POST http://nosql.kis.agh.edu.pl:5984/dwrobel
 -H "Content-Type: application/json" -d @as1.json



Zadanie 3

Dodanie widoku sortującego ogłoszenia po dacie

```
{
"_id": "_design/announcement",
"language": "javascript",
"views": {
"sortAnnouncement": {
"map": "function(doc){if(doc.type == 'announcement'){emit(doc.date, doc.content);}}"
}
}
```

Odpowiedź na zapytanie

```
http://nosql.kis.agh.edu.pl:5984/dwrobel/_design/accouncement/_view/sortAnnouncement

{"total_rows":2,"offset":0,"rows":[

{"id":"07909e1c065830be62e30169510714f6","key":"Fri Nov 22 2019
08:44:07 +0100","value":"Hello World !"},

{"id":"07909e1c065830be62e30169510735e6","key":"Fri Nov 22 2019
08:55:07 +0100","value":"This is to announce... !"}
```

Zadanie 4

Dodanie widoku zliczającego litery w dokumencie

```
{
" id": " design/letters",
"language": "javascript",
"views": {
"countLetters": {
       "map": "function(doc){
 var contentLetters = '';
for(var key in doc) {
   if(key != '_id' && key != '_rev'){
           contentLetters += doc[key]
  }
}
var letters = contentLetters.toLowerCase().split('');
for(var i=0; i<letters.length; i++){</pre>
   emit(letters[i],1);
}
}",
   "reduce": "_sum"
}
}
}
```

Odpowiedź na zapytanie

http://nosql.kis.agh.edu.pl:5984/dwrobel/_design/letters/_
view/countLetters?group=true

```
{"rows":[
 {"key":"5","value":5},
 {"key":"6","value":1},
 {"key":"7","value":4},
{"key":"7","value":4},
{"key":"8","value":2},
{"key":"9","value":6},
{"key":"a","value":5},
{"key":"d","value":31},
{"key":"f","value":4},
{"key":"g","value":2},
{"key":"h","value":5},
{"key":"i","value":8}
 {"key":"i","value":8},
 {"key":"l","value":7},
{"key":"l","value":7},

{"key":"m","value":10},

{"key":"n","value":30},

{"key":"o","value":28},

{"key":"p","value":6},

{"key":"r","value":21},

{"key":"s","value":24},

{"key":"t","value":17},

{"key":"u","value":4},

{"key":"v","value":3},

{"kev":"v","value":4}
 {"key":"y","value":4}
```