

Questions

Do the maximum you can in one hour and send back your implementation 1h after reception of the questions.

Good luck

1. implement save - save this json in memory

(if you can't make this one quickly just hard code the value so you can work on other questions)

```
curl \
  -X POST \
  --header "Content-Type: application/json" \
  --data '
  [
    {
      "author": "Steve McConnell",
      "name": "Code Complete",
      "published": 1993
    },
    {
      "author": "Steve McConnell",
      "name": "Rapid development",
      "published": 1996
    },
    {
      "author": "Steve McConnell",
      "name": "After the gold rush",
      "published": 1999
    },
    {
      "author": "Martin Fowler",
      "name": "Refactoring",
      "published": 1999
    },
    {
      "author": "Martin Fowler",
      "name": "UML distilled",
      "published": 1997
    }
  ]
  ' \
  http://localhost:8000/save
```

2. implement load - simply returns the original json saved just before

```
curl -X GET 'http://localhost:8000/load'
```

3. implement search from exact match

```
curl -X GET 'http://localhost:8000/search?exact_text=Steve%20McConnell'
```

4. implement search so it looks for a portion of string e.g. Co matches "McConnel" but also "Code Complete"

```
curl -X GET 'http://localhost:8000/search?text=Co'
```

5. implement the order by which will show results ordered by a given field name

```
curl -X GET 'http://localhost:8000/search?text=Steve%20McConnell&order_by=name'
```

6. implement the sort direction so results orders can be descendant or ascendant

(desc/asc)

```
curl -X GET
```

```
'http://localhost:8000/search?text=Steve%20McConnell&order_by=published&sort_direction=desc'
```

7. implement a server that would allow to store any array of object and then query them using the same API

```
curl \
```

```
-X POST \
```

```
--header "Content-Type: application/json" \
```

```
--data '
```

```
[
```

```
{
```

```
"a": "param a",
```

```
"b": "param b",
```

```
"c": "param c"
```

```
},
```

```
{
```

```
"a": "param a",
```

```
"b": "param b",
```

```
"c": "param c"
```

```
}
```

```
]
```

```
' \
```

```
http://localhost:8000/save
```