Requirements and data formats

# Implement the backend for the following use cases:

1. Login
2. Block listing
3. Commenting on the blog
4. Adding a blog
5. Blog search with tags
6. Register

# JSON Data formats are as below with examples:

## Registration Page:

Select sites drop down for a company:

URL:

<http://localhost:8080/Services/rest/company/55716669eec5ca2b6ddf5626/sites>

Data Response:

[{"id":"55716669eec5ca2b6ddf5627","siteName":"Acme Inc","companyId":"55716669eec5ca2b6ddf5626","subdomain"

:”acme”}]

Select Department drop down for a site

<http://localhost:8080/Services/rest/company/55716669eec5ca2b6ddf5626/sites/55716669eec5ca2b6ddf5627/departments>

[{“id":"55716669eec5ca2b6ddf5628","deptName":"Sales","siteId":"55716669eec5ca2b6ddf5627"}]

POST call to perform registration:

<http://localhost:8080/Services/rest/user/register>

{"userName":"Vinay","password":"abc123","email":"vinay@gmail.com","first":"Vinay","last":"Prasad","companyId"

:”55716669eec5ca2b6ddf5626”,"siteId":"55716669eec5ca2b6ddf5627","deptId":"55716669eec5ca2b6ddf5628"}

## Blog listing page:

Load signed in user:

<http://localhost:8080/Services/rest/user?signedIn=true>

[{"first":"Maruthi","id":"55716669eec5ca2b6ddf5629","password":"abc123","companyId":null,"email":"maruthi

@abc.com","deptId":null,"isCompany":null,"companyName":null,"subdomain":null,"deptName":null,"siteId"

:”55716669eec5ca2b6ddf5627","last":"RJ","userName":"maruthirj"}]

Load blogs:

<http://localhost:8080/Services/rest/blogs>

[{"id":"55716696eec5ca2b6ddf562f","content":"Blog 2 text here Blog text here...","tags":"abc, lmn","title":"blog2","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[{"content":"Some comment","blogId":null,"userFirst":"Maruthi","userLast":"RJ","userId":"559e4331c203b4638a00ba1d","date":1436435291623}],"date":1433495190426},{"id":"55b75a08c203b410b0cc9c2c","content":"THis is some blog about ferrari","tags":"tag1, ferrari","title":"Some blog","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[{"content":"Nice blog","blogId":null,"userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","date":1438079510294}],"date":1438079496982},{"id":"55c44a3ceec5ca1702674335","content":"THis is my newest blog content","tags":"B1, B2","title":"My New Blog","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[{"content":"Comment on my newest blog","blogId":null,"userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","date":1438927499769}],"date":1438927420291},{"id":"55c44b04eec5ca1702674339","content":"This is some other new blog","tags":"C1, C2","title":"Some other blog","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[],"date":1438927620514},{"id":"55716685eec5ca2b6ddf562c","content":"Blog1 test Blog text here...","tags":"abc, xyz","title":"blog1","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[{"content":"thats great!","blogId":null,"userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","date":1460714985813}],"date":1433495173600},{"id":"5710be266d97491091476944","content":"Ferraris are good in red","tags":"Ferrari","title":"Demo blog”,"userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[],"date":1460715046876}]

Submitting a blog:

POST <http://localhost:8080/Services/rest/blogs/55716696eec5ca2b6ddf562f/comments>

{"content":"Nice blog there”}

Blog Search:

<http://localhost:8080/Services/rest/blogs?tag=Ferrari>

[{"id":"5710be266d97491091476944","content":"Ferraris are good in red","tags":"Ferrari","title":"Demo

blog","userFirst":"Maruthi","userLast":"RJ","userId":"55716669eec5ca2b6ddf5629","comments":[],"date"

:1460715046876}]

## Login page:

Load companies: <http://localhost:8080/Services/rest/company>

[{"id":"55716669eec5ca2b6ddf5626","companyName":"Acme Inc","subdomain":"acme"},{"id":"559e4331c203b4638a00ba1a"

,"companyName":"Acme Inc”,"subdomain":"acme"}]

Submit login info:

POST <http://localhost:8080/Services/rest/user/auth>

{“userName”:"maruthirj","password":"abc123"}

TIP: paste these jsons on something like [jsonlint.com](http://jsonlint.com) to get a near formatted view of the data.

If any questions, ping on Spark