# Solutions-Lab: REST Services

**1. Darth Vader Response**

GET https://swapi.co/api/people/4

//In Judge must be paste without this above

{

"name": "Darth Vader",

"height": "202",

"mass": "136",

"hair\_color": "none",

"skin\_color": "white",

"eye\_color": "yellow",

"birth\_year": "41.9BBY",

"gender": "male",

"homeworld": "https://swapi.co/api/planets/1/",

"films": [

"https://swapi.co/api/films/2/",

"https://swapi.co/api/films/6/",

"https://swapi.co/api/films/3/",

"https://swapi.co/api/films/1/"

],

"species": [

"https://swapi.co/api/species/1/"

],

"vehicles": [],

"starships": [

"https://swapi.co/api/starships/13/"

],

"created": "2014-12-10T15:18:20.704000Z",

"edited": "2014-12-20T21:17:50.313000Z",

"url": "https://swapi.co/api/people/4/"

}

**2. GitHub: Labels Issue**

GET https://api.github.com/repos/testnakov/test-nakov-repo/issues/1

//In Judge must be paste without this above

{

"url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/1",

"repository\_url": "https://api.github.com/repos/testnakov/test-nakov-repo",

"labels\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/1/labels{/name}",

"comments\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/1/comments",

"events\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/1/events",

"html\_url": "https://github.com/testnakov/test-nakov-repo/issues/1",

"id": 188822935,

"node\_id": "MDU6SXNzdWUxODg4MjI5MzU=",

"number": 1,

"title": "yesbe",

"user": {

"login": "testnakov",

"id": 23406465,

"node\_id": "MDQ6VXNlcjIzNDA2NDY1",

"avatar\_url": "https://avatars1.githubusercontent.com/u/23406465?v=4",

"gravatar\_id": "",

"url": "https://api.github.com/users/testnakov",

"html\_url": "https://github.com/testnakov",

"followers\_url": "https://api.github.com/users/testnakov/followers",

"following\_url": "https://api.github.com/users/testnakov/following{/other\_user}",

"gists\_url": "https://api.github.com/users/testnakov/gists{/gist\_id}",

"starred\_url": "https://api.github.com/users/testnakov/starred{/owner}{/repo}",

"subscriptions\_url": "https://api.github.com/users/testnakov/subscriptions",

"organizations\_url": "https://api.github.com/users/testnakov/orgs",

"repos\_url": "https://api.github.com/users/testnakov/repos",

"events\_url": "https://api.github.com/users/testnakov/events{/privacy}",

"received\_events\_url": "https://api.github.com/users/testnakov/received\_events",

"type": "User",

"site\_admin": false

},

"labels": [

{

"id": 479839740,

"node\_id": "MDU6TGFiZWw0Nzk4Mzk3NDA=",

"url": "https://api.github.com/repos/testnakov/test-nakov-repo/labels/question",

"name": "question",

"color": "cc317c",

"default": true

},

{

"id": 479891966,

"node\_id": "MDU6TGFiZWw0Nzk4OTE5NjY=",

"url": "https://api.github.com/repos/testnakov/test-nakov-repo/labels/sofia",

"name": "sofia",

"color": "fbca04",

"default": false

},

{

"id": 479892079,

"node\_id": "MDU6TGFiZWw0Nzk4OTIwNzk=",

"url": "https://api.github.com/repos/testnakov/test-nakov-repo/labels/varna",

"name": "varna",

"color": "1d76db",

"default": false

}

],

"state": "open",

"locked": false,

"assignee": null,

"assignees": [],

"milestone": null,

"comments": 0,

"created\_at": "2016-11-11T18:39:07Z",

"updated\_at": "2016-11-21T09:53:15Z",

"closed\_at": null,

"author\_association": "OWNER",

"body": "Is this my first issue?",

"closed\_by": null

}

**3. Github: Create Issue**

POST https://api.github.com/repos/testnakov/test-nakov-repo/issues/1

{

"title":"I have created an issue",

"body":"Minor bug",

"labels":"["bug","minor"]"

}

//This below isn’t real response from POST method – it is a solution below it with replaced some data (title, body, labels, login name(everywhere), id)!

//In Judge must be paste without this above

|  |
| --- |
| { |
|  | "url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54", |
|  | "repository\_url": "https://api.github.com/repos/testnakov/test-nakov-repo", |
|  | "labels\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/labels{/name}", |
|  | "comments\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/comments", |
|  | "events\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/events", |
|  | "html\_url": "https://github.com/testnakov/test-nakov-repo/issues/54", |
|  | "id": 189473620, |
|  | "number": 54, |
|  | "title": "I have created an issue", |
|  | "user": { |
|  | "login": "to6o", |
|  | "id": 14360666, |
|  | "avatar\_url": "https://avatars.githubusercontent.com/u/14360644?v=3", |
|  | "gravatar\_id": "", |
|  | "url": "https://api.github.com/users/to6o", |
|  | "html\_url": "https://github.com/to6o", |
|  | "followers\_url": "https://api.github.com/users/to6o/followers", |
|  | "following\_url": "https://api.github.com/users/to6o/following{/other\_user}", |
|  | "gists\_url": "https://api.github.com/users/to6o/gists{/gist\_id}", |
|  | "starred\_url": "https://api.github.com/users/to6o/starred{/owner}{/repo}", |
|  | "subscriptions\_url": "https://api.github.com/users/to6o/subscriptions", |
|  | "organizations\_url": "https://api.github.com/users/to6o/orgs", |
|  | "repos\_url": "https://api.github.com/users/to6o/repos", |
|  | "events\_url": "https://api.github.com/users/to6o/events{/privacy}", |
|  | "received\_events\_url": "https://api.github.com/users/to6o/received\_events", |
|  | "type": "User", |
|  | "site\_admin": false |
|  | }, |
|  | "labels": ["bug","minor"], |
|  | "state": "open", |
|  | "locked": false, |
|  | "assignee": null, |
|  | "assignees": [], |
|  | "milestone": null, |
|  | "comments": 0, |
|  | "created\_at": "2019-02-21T18:45:49Z", |
|  | "updated\_at": "2019-02-21T18:45:49Z", |
|  | "closed\_at": null, |
|  | "body": "Minor bug", |
|  | "closed\_by": null |
|  | } |

|  |
| --- |
| { |
|  | "url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54", |
|  | "repository\_url": "https://api.github.com/repos/testnakov/test-nakov-repo", |
|  | "labels\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/labels{/name}", |
|  | "comments\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/comments", |
|  | "events\_url": "https://api.github.com/repos/testnakov/test-nakov-repo/issues/54/events", |
|  | "html\_url": "https://github.com/testnakov/test-nakov-repo/issues/54", |
|  | "id": 189473620, |
|  | "number": 54, |
|  | "title": "Found a bug", |
|  | "user": { |
|  | "login": "hammer4", |
|  | "id": 14360644, |
|  | "avatar\_url": "https://avatars.githubusercontent.com/u/14360644?v=3", |
|  | "gravatar\_id": "", |
|  | "url": "https://api.github.com/users/hammer4", |
|  | "html\_url": "https://github.com/hammer4", |
|  | "followers\_url": "https://api.github.com/users/hammer4/followers", |
|  | "following\_url": "https://api.github.com/users/hammer4/following{/other\_user}", |
|  | "gists\_url": "https://api.github.com/users/hammer4/gists{/gist\_id}", |
|  | "starred\_url": "https://api.github.com/users/hammer4/starred{/owner}{/repo}", |
|  | "subscriptions\_url": "https://api.github.com/users/hammer4/subscriptions", |
|  | "organizations\_url": "https://api.github.com/users/hammer4/orgs", |
|  | "repos\_url": "https://api.github.com/users/hammer4/repos", |
|  | "events\_url": "https://api.github.com/users/hammer4/events{/privacy}", |
|  | "received\_events\_url": "https://api.github.com/users/hammer4/received\_events", |
|  | "type": "User", |
|  | "site\_admin": false |
|  | }, |
|  | "labels": [], |
|  | "state": "open", |
|  | "locked": false, |
|  | "assignee": null, |
|  | "assignees": [], |
|  | "milestone": null, |
|  | "comments": 0, |
|  | "created\_at": "2016-11-15T18:45:49Z", |
|  | "updated\_at": "2016-11-15T18:45:49Z", |
|  | "closed\_at": null, |
|  | "body": "I'm having a problem with this.", |
|  | "closed\_by": null |
|  | } |

**4. Firebase: All Books**

GET https://testapp-1c84d.firebaseio.com//books.json

//In Judge must be paste without this above

[

null,

{

"author": "Ivan Vazov",

"title": "Under the Yoke"

},

{

"author": "Svetlin Nakov & Co.",

"title": "C# Fundamentals"

}

]

|  |
| --- |
| { |
|  | "books": [ |
|  | null, |
|  | { |
|  | "author": "Ivan Vazov", |
|  | "title": "Under the yoke" |
|  | }, |
|  | { |
|  | "author": "Svetlin Nakov & Co.", |
|  | "title": "C# Fundamentals" |
|  | } |
|  | ] |
|  | } |

**5. Firebase: Get Book**

GET https://testapp-1c84d.firebaseio.com/books/1.json

//In Judge must be paste without this above

{

"author": "Ivan Vazov",

"title": "Under the Yoke"

}

|  |
| --- |
| { |
|  | "author": "Ivan Vazov", |
|  | "title": "Under the yoke" |
|  | } |

**6. Firebase: Create Book**

POST https://testapp-1c84d.firebaseio.com/books.json

{

"title":"New title",

"author":"New author"

}

//In Judge must be paste without this above

{

"name": "-Laop7J7MAGPs7Nk5EVp"

}

|  |
| --- |
| { |
|  | "name": "-KWghe3AgApeEq9Cs3iB" |
|  | } |

**7. Firebase: Patch Book**

PATCH https://testapp-1c84d.firebaseio.com/books/7.json

{

"year":1981,

"author":"Author Changed"

}

//In Judge must be paste without this above

{

"year":1981,

"author":"Author Changed"

}

**8. Firebase: Change Book Author**

PUT https://testapp-1c84d.firebaseio.com/books/7/author.json

"New author was assigned"

//In Judge must be paste without this above

"New author was assigned"

**9. Kinvey: Handshake**

GET https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N

//In Judge must be paste without this above

{

"version": "3.10.28",

"kinvey": "hello MyApp",

"appName": "MyApp",

"environmentName": "Development"

}

|  |
| --- |
| { |
|  | "version": "3.9.14-1", |
|  | "kinvey": "hello MyTestApp", |
|  | "appName": "MyTestApp", |
|  | "environmentName": "Development" |
|  | } |

**10. Kinvey: All Posts**

GET https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/posts

//In Judge must be paste without this above

[

{

"\_id": "5c98ee70faf13a2d074ea61c",

"body": "First Post Title",

"title": "First Post Body",

"\_acl": {

"creator": "kid\_H1y9kL-\_N"

},

"\_kmd": {

"lmt": "2019-03-25T15:06:24.001Z",

"ect": "2019-03-25T15:06:24.001Z"

}

},

{

"\_id": "5c98ef78d98db22f889fe7cd",

"body": "Second Post Title",

"title": "Second Post Body",

"\_acl": {

"creator": "kid\_H1y9kL-\_N"

},

"\_kmd": {

"lmt": "2019-03-25T15:10:48.277Z",

"ect": "2019-03-25T15:10:48.277Z"

}

},

{

"\_id": "5c98ef9dfaf13a2d074eb300",

"body": "Third Post Title",

"title": "Third Post Body",

"\_acl": {

"creator": "kid\_H1y9kL-\_N"

},

"\_kmd": {

"lmt": "2019-03-25T15:11:25.142Z",

"ect": "2019-03-25T15:11:25.142Z"

}

}

]

GET https://baas.kinvey.com/appdata/kid\_HJa2FEdHV/posts

//This below isn’t real response from GET method – it is a solution below it with replaced some data!

//In Judge must be paste without this above

|  |
| --- |
| [ |
|  | { |
|  | "\_id": "582c79ab039798e22290a997", |
|  | "\_acl": { |
|  | "creator": "kid\_HJa2FEdHV" |
|  | }, |
|  | "title": "First Post Title", |
|  | "body": "First Post Body", |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:22:19.782Z", |
|  | "ect": "2019-02-119T15:22:19.782Z" |
|  | } |
|  | }, |
|  | { |
|  | "\_id": "582c79cf6d98fc227256649f", |
|  | "\_acl": { |
|  | "creator": "kid\_HJa2FEdHV" |
|  | }, |
|  | "title": "Second Post Title", |
|  | "body": "Second Post Body", |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:22:55.273Z", |
|  | "ect": "2019-02-19T15:22:55.273Z" |
|  | }, |
|  | { |
|  | "\_id": "582c79ab039798e22290af97", |
|  | "\_acl": { |
|  | "creator": "kid\_HJa2FEdHV" |
|  | }, |
|  | "title": "Third Post Title", |
|  | "body": "Third Post Body", |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:22:41.782Z", |
|  | "ect": "2019-02-19T15:22:41.782Z" |
|  | }  }  ] |

|  |
| --- |
| [ |
|  | { |
|  | "\_id": "582c79ab039798e22290a993", |
|  | "\_acl": { |
|  | "creator": "kid\_SkuyKeq-g" |
|  | }, |
|  | "title": "My First Post", |
|  | "body": "This is my first post in my blog", |
|  | "\_kmd": { |
|  | "lmt": "2016-11-16T15:22:19.782Z", |
|  | "ect": "2016-11-16T15:22:19.782Z" |
|  | } |
|  | }, |
|  | { |
|  | "\_id": "582c79cf6d98fc227256642f", |
|  | "\_acl": { |
|  | "creator": "kid\_SkuyKeq-g" |
|  | }, |
|  | "title": "My Second Post", |
|  | "body": "This is my second post in my blog", |
|  | "\_kmd": { |
|  | "lmt": "2016-11-16T15:22:55.273Z", |
|  | "ect": "2016-11-16T15:22:55.273Z" |
|  | } |
|  | } |
|  | ] |

**11. Kinvey: Create New Post**

POST https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/posts

title New Title

body New Post Body

//In Judge must be paste without this above

{

"title": "New Title",

"body": "New Post Body",

"\_acl": {

"creator": "5c98e9ccd98db22f889fa7fe"

},

"\_kmd": {

"lmt": "2019-03-25T15:27:04.425Z",

"ect": "2019-03-25T15:27:04.425Z"

},

"\_id": "5c98f3486afe32047f21b7ce"

}

POST https://baas.kinvey.com/appdata/kid\_HJa2FEdHV/posts

//This below isn’t real response from POST method – it is a solution below it with replaced some data!

//In Judge must be paste without this above

|  |
| --- |
| { |
|  | "title": "New Title", |
|  | "body": "New Post Body", |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a6ed" |
|  | }, |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:30:42.622Z", |
|  | "ect": "2019-02-19T15:30:42.622Z" |
|  | }, |
|  | "\_id": "582c7ba2209db9d9730749d8" |
|  | } |

|  |
| --- |
| { |
|  | "title": "New Title", |
|  | "body": "New Post Body", |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a4ed" |
|  | }, |
|  | "\_kmd": { |
|  | "lmt": "2016-11-16T15:30:42.622Z", |
|  | "ect": "2016-11-16T15:30:42.622Z" |
|  | }, |
|  | "\_id": "582c7ba2209db9d9730743d8" |
|  | } |

**12. Kinvey: Delete a Post**/

DELETE https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/posts/5c98f3486afe32047f21b7ce

/In Judge must be paste without this above

{

"count": 1

}

|  |
| --- |
| DELETE https://baas.kinvey.com/appdata/kid\_HJa2FEdHV/posts/582c7ba2209db9d9730749d8  //In Judge must be paste without this above  { |
|  | "count": 1 |
|  | } |

|  |
| --- |
| { |
|  | "count": 1 |
|  | } |

**13. Kinvey: Edit a Post**

PUT https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/posts/5c98f3486afe32047f21b7ce

title edited title

body edited author

hidden true

//In Judge must be paste without this above

{

"title": "edited title",

"body": "edited author",

"hidden": "true",

"\_id": "5c98f3486afe32047f21b7ce",

"\_acl": {

"creator": "5c98e9ccd98db22f889fa7fe"

},

"\_kmd": {

"lmt": "2019-03-25T15:49:36.290Z",

"ect": "2019-03-25T15:49:36.290Z"

}

}

PUT https://baas.kinvey.com/appdata/kid\_HJa2FEdHV/posts/582c7ba2209db9d9730749d8

|  |
| --- |
| "title": "edited title", |
| "body": "edited author", |
| "hidden": true |

//This below isn’t real response from POST method – it is a solution below it with replaced some data!

//In Judge must be paste without this above

|  |
| --- |
| { |
|  | "title": "edited title", |
|  | "body": "edited author", |
|  | "hidden": true, |
|  | "\_id": "582c7cfd6d98fc2272568b79", |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a8ed" |
|  | }, |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:38:59.509Z", |
|  | "ect": "2019-02-19T15:36:29.263Z" |
|  | } |
|  | } |

|  |
| --- |
| { |
|  | "title": "edited title", |
|  | "body": "edited author", |
|  | "hidden": true, |
|  | "\_id": "582c7cfd6d98fc2272568b39", |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a4ed" |
|  | }, |
|  | "\_kmd": { |
|  | "lmt": "2016-11-16T15:38:59.509Z", |
|  | "ect": "2016-11-16T15:36:29.263Z" |
|  | } |
|  | } |

**14. Kinvey: Login**

POST https://baas.kinvey.com/user/kid\_H1y9kL-\_N/login

{"username":"guest", "password":"guest"}

//In Judge must be paste without this above

{

"\_id": "5c98e9ccd98db22f889fa7fe",

"username": "guest",

"\_kmd": {

"lmt": "2019-03-25T14:46:36.698Z",

"ect": "2019-03-25T14:46:36.698Z",

"authtoken": "ed166a7b-b02f-4039-aa58-97b3283e370f.tX64nhahNLCpWWOPgnTo0VihfBKRR6fVD/wWtZWX2KI="

},

"\_acl": {

"creator": "5c98e9ccd98db22f889fa7fe"

}

}

POST https://baas.kinvey.com/user/kid\_HJa2FEdHV/login

//This below isn’t real response from POST Login method – it is a solution below it with replaced some data!

//In Judge must be paste without this above

|  |
| --- |
| { |
|  | "\_id": "582c7925039798e22290a8ed", |
|  | "username": "guest", |
|  | "\_kmd": { |
|  | "lmt": "2019-02-19T15:20:05.831Z", |
|  | "ect": "2019-02-19T15:20:05.831Z", |
|  | "authtoken": "51df1bba-7f8b-46e3-a1ab-a10ba79bec8e.MBcx1jbyiqUBbkYPEWX8uO93gxY//VNB1QqBgXrb7EY=" |
|  | }, |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a8ed" |
|  | } |
|  | } |

|  |
| --- |
| { |
|  | "\_id": "582c7925039798e22290a4ed", |
|  | "username": "guest", |
|  | "\_kmd": { |
|  | "lmt": "2016-11-16T15:20:05.831Z", |
|  | "ect": "2016-11-16T15:20:05.831Z", |
|  | "authtoken": "51df1bba-7f8b-46e3-a1ab-f10ba79bec8e.MBcx1jbyiqUBbkYPEWX8uO93gxY//VNB1QqBgXrb7EY=" |
|  | }, |
|  | "\_acl": { |
|  | "creator": "582c7925039798e22290a4ed" |
|  | } |
|  | } |

**15. \*Bonus Kinvey: Logout**

POST https://baas.kinvey.com/user/kid\_H1y9kL-\_N/\_logout

**Authorization:** Kinvey ed166a7b-b02f-4039-aa58-97b3283e370f.tX64nhahNLCpWWOPgnTo0VihfBKRR6fVD/wWtZWX2KI=

**returns 204 No Content**