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API Manual

Ini adalah manual kepada API untuk pembelajaran Minggu 7.

Senarai API

Fungsi	Method	URL
Register	POST	https://api.kelasprogramming.com/register
Login	POST	https://api.kelasprogramming.com/consumer/login
Refresh	PUT	https://api.kelasprogramming.com/consumer/login
All	GET	https://api.kelasprogramming.com/todo
New	POST	https://api.kelasprogramming.com/todo
Single	GET	https://api.kelasprogramming.com/todo/:id
Update	PUT	https://api.kelasprogramming.com/todo/:id
Delete	DELETE	https://api.kelasprogramming.com/todo/:id

Register

Endpoint	https://api.kelasprogramming.com/register
Method	POST
Header	Content-type: application/json
JSON Body	```{ "username":"kasimselamat", "email":"kasim@email.test", "password":"RAHsia1234" }```

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Login

Endpoint	https://api.kelasprogramming.com/consumer/login
Method	POST
Header	Content-type: application/json

JSON Body	```
	{
	    "username":"kasimselamat",
	    "password":"RAHsia1234"
	}
	``

Sample Response	```
	{
	    "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3ViIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWVjIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5hbWUiOiJkaW5vbTEwAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwLhTZD7k27ooCg",
	    "expires_in": 172800,
	    "refresh_token": "ff70998d9eabe14c95fe-34ba776cdcd173b516f03d913a90348db7e365e87a822c83-53ba946109",
	    "scope": "consumer,consumer.account,consumer.app,consumer.event,consumer.grant,consumer.identity,consumer.log,consumer.page,consumer.payment,consumer.plan,consumer.scope,consumer.subscription,consumer.transaction,authorization,default"
	}
	``

Refresh Token

Endpoint	https://api.kelasprogramming.com/consumer/login
Method	PUT
Header	Content-type: application/json

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JSON Body	`{`
	`"refresh_token":"ff70998d9eabe14c95fe-34ba776cdcd173b516f03d913a90348db7e365e87a822c83-53ba946109"`
	`}`

Sample Response	`{`
	    `"token":`
	`"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3ViIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWVjIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwLhTZD7k27ooCg",`
	    `"expires_in": 172800,`
	    `"refresh_token":`
	`"ff70998d9eabe14c95fe-34ba776cdcd173b516f03d913a90348db7e365e87a822c83-53ba946109",`
	    `"scope":`
	`"consumer,consumer.account,consumer.app,consumer.event,consumer.grant,consumer.identity,consumer.log,consumer.page,consumer.payment,consumer.plan,consumer.scope,consumer.subscription,consumer.transaction,authorization,default"`
	`}`

List All To-Dos

Endpoint	https://api.kelasprogramming.com/todo
Method	GET
Header	`Content-type: application/json`
Authorization	Bearer Token, example : `Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3ViIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWVjIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwLhTZD7k27ooCg`

Sample Response	```json
	{
	    "totalResults": 1,
	    "itemsPerPage": 16,
	    "startIndex": 0,
	    "entry": [
	        {
	            "id": 2,
	            "user_id": 2,
	            "details": "Write API doc",
	            "completed": 1,
	            "completed_at": "2024-03-02 00:12:30",
	            "created_at": "2024-03-01 23:51:05"
	        }
	    ]
	}
	``

API akan memulangkan 16 rekod maksima dengan konsep pagination. Gunakan Parameter tambahan untuk mendapatkan data melebih daripada 16 rekod.

Parameter Tambahan

Parameter	Details
startIndex	Row number, starting from 0
count	Numbers of records to be returned
sortBy	Column name
sortOrder	Options : desc | asc
filterBy	Column name
filterOp	Options : contains | equals | startsWith | present
filterValue	Filter value

Single To-Do

Endpoint	https://api.kelasprogramming.com/todo/:id
Method	GET

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Header	Content-type: application/json
Authorization	Bearer Token, example : Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHR wczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3V iIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWV jIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5 hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwL hTZD7k27ooCg

Sample Response	```json
	[
	    {
	        "id": 1,
	        "user_id": 2,
	        "details": "Create API Server",
	        "completed": 1,
	        "completed_at": "2024-03-01 03:57:02",
	        "created_at": "2024-03-01 11:41:39"
	    }
	]
	``

New To-Do

Endpoint	https://api.kelasprogramming.com/todo
Method	POST
Header	Content-type: application/json
Authorization	Bearer Token, example : Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHR wczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3V iIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWV jIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5 hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwL hTZD7k27ooCg

JSON Body	```json
	{
	    "details":"Write API doc"
	}
	``

| Sample Response | ```json
{
      "success": true,
      "message": "Entry successful created",
      "id": "2"
}
``` |
|---|---|

Update To-Do

Endpoint	https://api.kelasprogramming.com/todo/**:id**
Method	PUT
Header	Content-type: application/json
Authorization	Bearer Token, example : Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHR wczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3V iIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWV jIiwiaWF0Ijox NzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5 hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwL hTZD7k27ooCg
| JSON Body | ```json
{
    "details": "Create API Server",
    "completed": 1
}
``` |
| Sample Response | ```json
{
      "success": true,
      "message": "Entry successful updated",
      "todo": {
          "id": 2,
          "user_id": 2,
          "details": "Write API doc",
          "completed": 1,
          "completed_at": "2024-03-02 00:12:30",
          "created_at": "2024-03-01 23:51:05"
      }
``` |

	`}`

Delete To-Do

Endpoint	https://api.kelasprogramming.com/todo/**:id**
Method	DELETE
Header	`Content-type: application/json`

Authorization	Bearer Token, example :
	
	`Authorization: Bearer`
	`eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHR`
	`wczovL2FwaS5rZWxhc3Byb2dyYW1taW5nLmNvbS50ZXN0Iiwic3V`
	`iIjoiMGMyM2QwMmYtYjYwNi01NTUzLTg4OGYtZjMyM2JhYTM4MWV`
	`jIiwiaWF0IjoxNzA5MzQyNjEwLCJleHAiOjE3MDk1MTU0MTAsIm5`
	`hbWUiOiJkaW5vMTAwIn0.qnymAxhDWXKL45n-m1J8wIAY5YAYnwL`
	`hTZD7k27ooCg`

Sample Response	`{`
	`    "success": true,`
	`    "message": "Entry successful deleted"`
	`}`