# DRF Authentication & Permission
## Django Development II

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# Token Based Authentication (API Key)
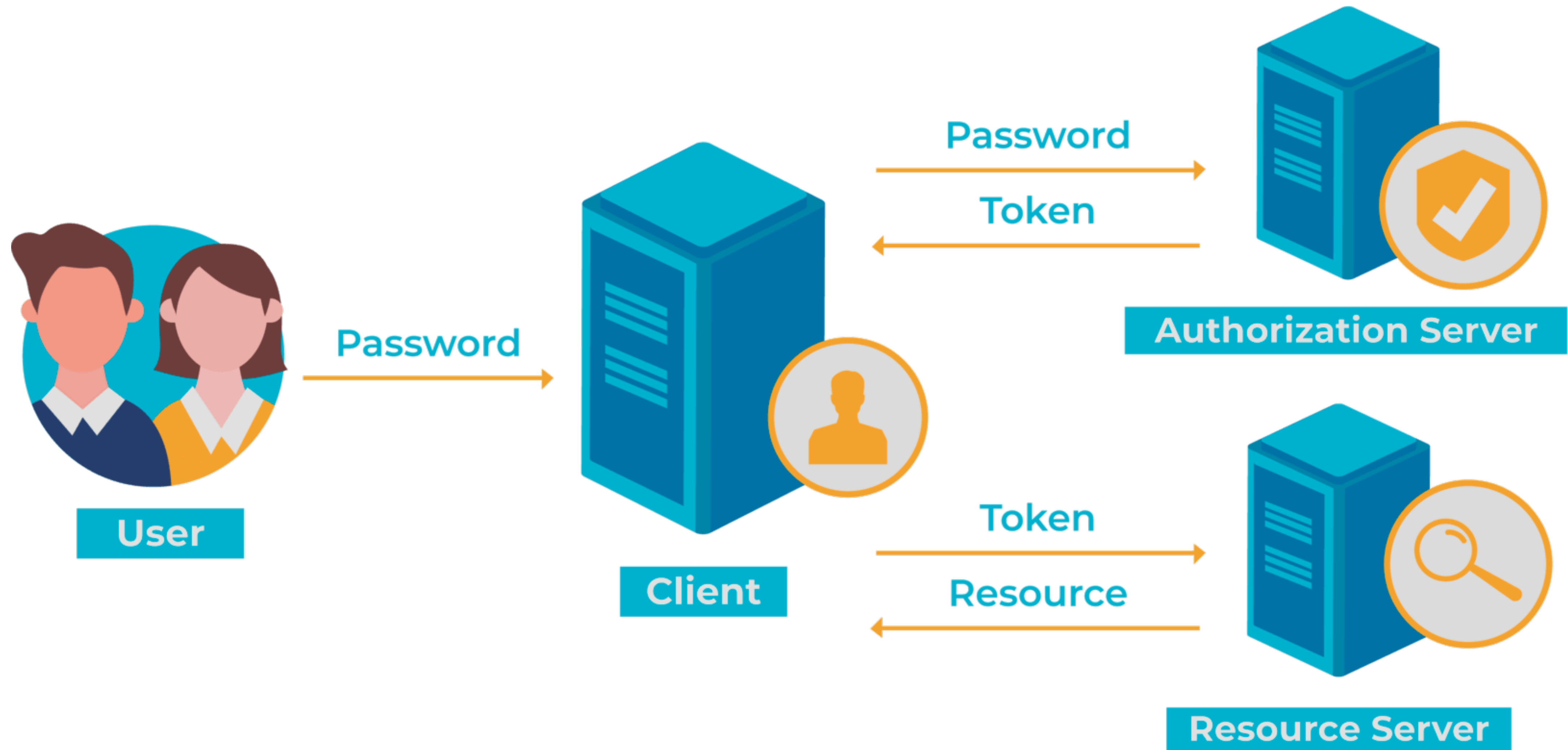
# DRF Authentication

Authentication

" *Auth needs to be pluggable.*
— *Jacob Kaplan-Moss,* *"REST worst practices"*

Django REST framework OAuth

JSON Web Token Authentication

Hawk HTTP Authentication

HTTP Signature Authentication

Djoser

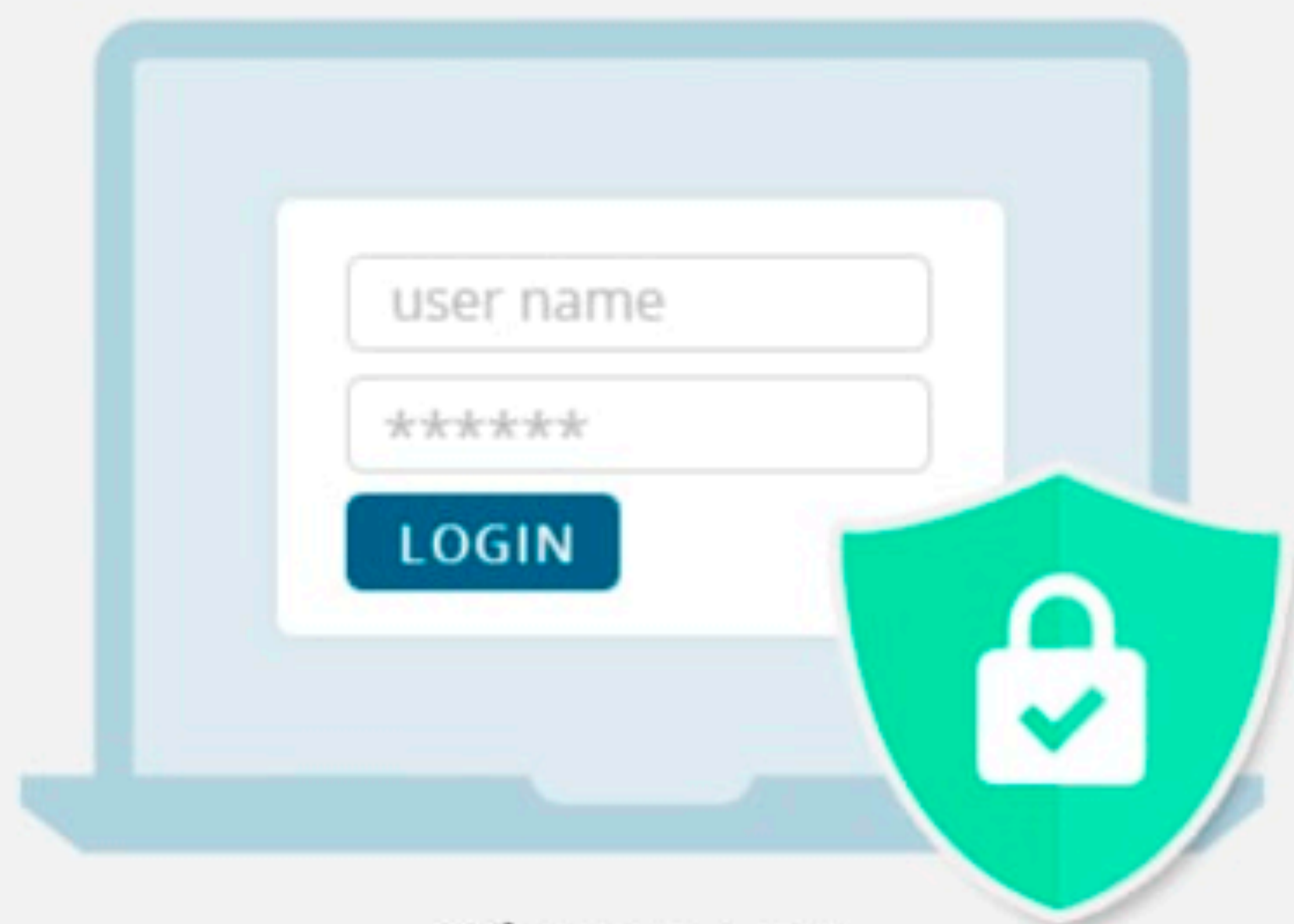django-rest-auth / dj-rest-auth

django-rest-framework-social-oauth2

django-rest-knox

drfpasswordless

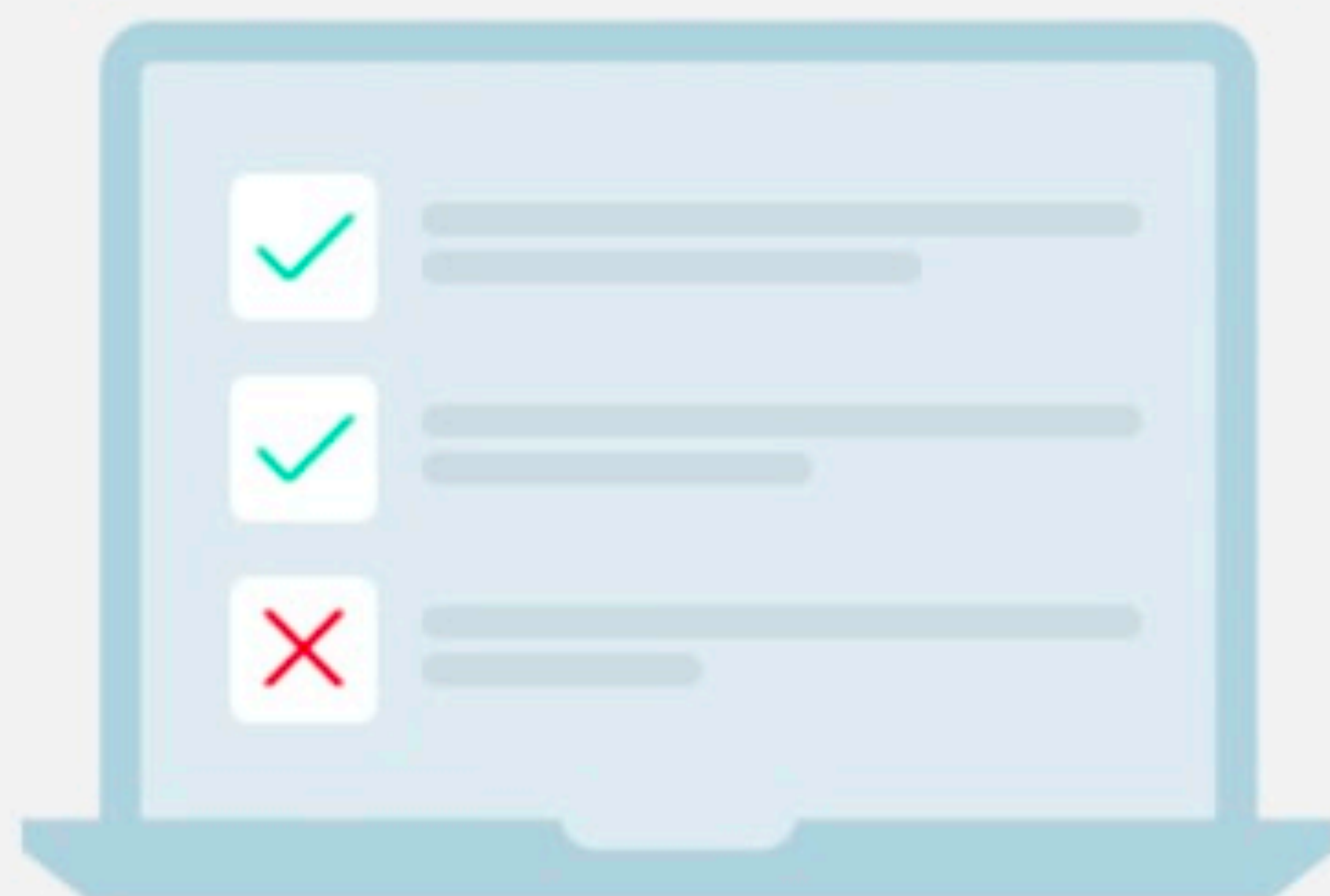django-rest-authemail

Django-Rest-Durin

# Authentication

user name

******

**LOGIN**

**Who are you?**
Validate a system is accessing by the right person

# Authorization

**Are you allowed to do that?**
Check users' permissions to access data

# DRF Permissions

## Permissions

" *Authentication or identification by itself is not usually sufficient to gain access to information or code. For that, the entity requesting access must have authorization.*

— *Apple Developer Documentation*

permissions

AllowAny

IsAuthenticated

IsAdminUser

IsAuthenticatedOrReadOnly

DjangoModelPermissions

DjangoModelPermissionsOrAnonReadOnly

DjangoObjectPermissions

## Custom permissions

To implement a custom permission, override `BasePermission` and implement either, or both, of the following methods:

- `.has_permission(self, request, view)`
- `.has_object_permission(self, request, view, obj)`

The methods should return `True` if the request should be granted access, and `False` otherwise.

# Todo App API

| Task | Method | Path |
|---|---|---|
| Create a new task | POST | /tasks |
| Delete an existing task | DELETE | /tasks/{id} |
| Get a specific task | GET | /tasks/{id} |
| Search for tasks | GET | /tasks |
| Update an existing task | PUT | /tasks/{id} |

# Let's Code 💻