**Django – AllAuth**

Objective:

1. Login
2. Signup
3. Logout
4. Forgot password
5. Email authentication
6. Login with google
7. Login with facebook
8. Login with github

**Django Configurations**

Step 1: Install AllAuth Package

pip install django-allauth

Step 2: Go to settings.py file

INSTALLED\_APPS = [

“allauth”

‘allauth.accounts’,

‘allauth.socialaccount’,

‘allauth.socialaccount.providers.google’,

]

MIDDLEWARE = [

‘allauth.account.middleware.AccountMiddleware’

]

AUTHENTICATION\_BACKENDS = [

‘django.contrib.auth.backends.ModelBackend’,

‘allauth.account.auth\_backends.AuthenticationBackend’

]

SOCIALACCOUNTS\_PROVIDERS = {}

SOCIALACCOUNT\_LOGIN\_ON\_GET = True

LOGIN\_URL = '/accounts/login/'

LOGIN\_REDIRECT\_URL = '/'

ACCOUNT\_LOGOUT\_REDIRECT\_URL = '/'

ACCOUNT\_AUTHENTICATION\_METHOD = 'email'

ACCOUNT\_EMAIL\_REQUIRED = True

ACCOUNT\_AUTHENTICATION\_LOGIN\_REDIRECT = True

ACCOUNT\_EMAIL\_CONFIRMATION\_EXPIRE\_DAYS = 3

ACCOUNT\_EMAIL\_VERIFICATION = 'mandatory'

ACCOUNT\_CONFIRM\_EMAIL\_ON\_GET =  False

ACCOUNT\_SIGNUP\_PASSWORD\_ENTER\_TWICE = True

ACCOUNT\_SIGNUP\_PASSWORD\_VERIFICATION = True

ACCOUNT\_UNIQUE\_EMAIL = True

ACCOUNT\_PRESERVE\_USERNAME\_CASING = True

ACCOUNT\_USERNAME\_MIN\_LENGTH = 5

ACCOUNT\_USERNAME\_REQUIRED = True

ACCOUNT\_USERNAME\_VALIDATORS = None

# ACCOUNT\_RATE\_LIMITS = {

#     'login\_failed': {

#         'LIMIT': 10,  # Number of login attempts allowed

#         'TIMEOUT': 3600,  # Block duration in seconds after reaching the limit

#     },

# }

ACCOUNT\_USER\_MODEL\_USERNAME\_FIELD = 'username'

ACCOUNT\_USER\_MODEL\_EMAIL\_FIELD = 'email'

ACCOUNT\_EMAIL\_CONFIRMATION\_ANONYMOUS\_REDIRECTED\_URL = '/accounts/login/'

ACCOUNT\_PASSWORD\_INPUT\_RENDER\_VALUE = False

ACCOUNT\_LOGIN\_ON\_EMAIL\_CONFIRMATION = True

ACCOUNT\_LOGOUT\_ON\_PASSWORD\_CHANGE = True

# ACCOUNT\_DEFAULT\_HTTP\_PROTOCOL = 'https'

SOCIALACCOUNT\_DEBUG = True

# \*\*\* SMTP Settings \*\*\*

EMALI\_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'

EMAIL\_HOST = 'smtp.gmail.com'

EMAIL\_USE\_TLS = True

EMAIL\_PORT = 587

EMAIL\_HOST\_USER = os.environ['EMAIL\_HOST\_USER']

EMAIL\_HOST\_PASSWORD = os.environ['EMAIL\_HOST\_PASSWORD']

Step 3: Go to urls.py file of main project

urlpatterns = [

path(‘accounts/’, include(‘allauth.urls’)),

]

Step 4: Migrate all changes

python manage.py migrate

**SOCIAL ACCOUNT SETUP - GOOGLE**

Step 1: Add ‘allauth.socialaccount.providers.google’ to INSTALLED\_APPS

Step 2: Go to google workspace

Step 3: Go to Credentials > create credentials > OAuth ClientID

Step 4: Set Redirect url to

http://127.0.0.1:8000/accounts/google/login/callback/  
Step 5: You will get Client ID and Key Secret

Step 6: Go to admin console

Step 7: go to social applications and add an application.

Step 8: add all credentials and click save

**Github Social Auth**

**App registration (get your key and secret here)**

<https://github.com/settings/applications/new>

**Development callback URL**

<http://127.0.0.1:8000/accounts/github/login/callback/>

If you want more than just read-only access to public data, specify the scope as follows. See <https://developer.github.com/v3/oauth/#scopes> for details.

SOCIALACCOUNT\_PROVIDERS = {

'github': {

'SCOPE': [

'user',

'repo',

'read:org',

],

}

}

**Facebook Social Auth**

Step 1: Go to Facebook Login > Quickstart and add this Site URL

Site URL: <https://localhost:8000>

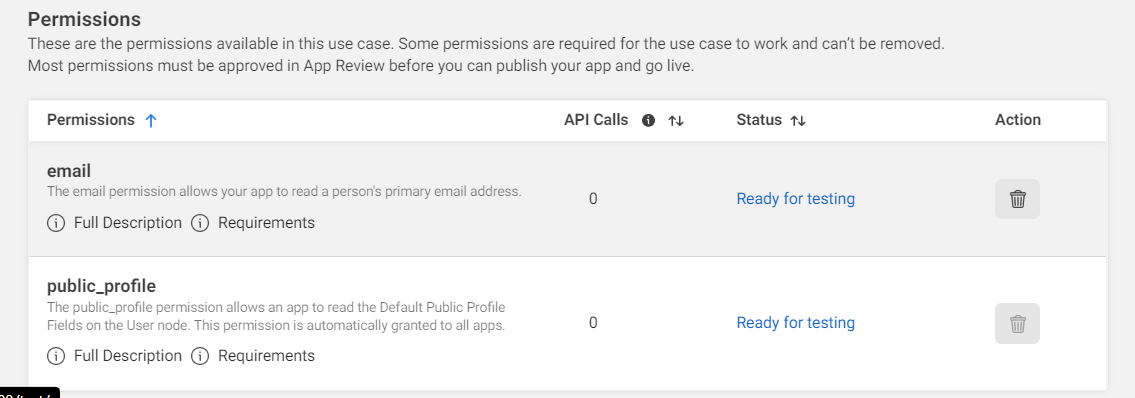
Step 2: Go to “myApp > Usecases” and customize authentication and account creation and add Valid OAuth Redirect URIs:

https://127.0.0.1:8000/accounts/facebook/login/callback/

Step 3: go to “app settings > Basic” and add “app domain”

App domain = “localhost”

Step 4: add email scope



Step 5: get app id and App Secret from “app settings > basic” and paste it into django “social application”