# Instagram Developer Account & App Registration Setup

## Documentation Links

Official Meta Documentation

\* Instagram Graph API Guide: <https://developers.facebook.com/docs/instagram-api>  
\* App Registration: <https://developers.facebook.com/docs/development/create-an-app>  
\* OAuth 2.0 Flow: <https://developers.facebook.com/docs/facebook-login/web>

Quick Reference

\* API Explorer: [developers.facebook.com/tools/explorer](https://developers.facebook.com/tools/explorer)  
\* Access Token Debugger: [developers.facebook.com/tools/debug/accesstoken](https://developers.facebook.com/tools/debug/accesstoken)  
\* App Dashboard: [developers.facebook.com/apps](https://developers.facebook.com/apps)

## ✅ Completed Steps

1. Instagram Account Setup

\* ✅ Created/Converted to Professional Account (Business or Creator)  
\* ✅ Account is now eligible for Instagram Graph API access  
\* ✅ Linked to Facebook Page (required for Graph API)

2. Facebook Developer Account Setup

\* ✅ Created Facebook Developer Account  
\* ✅ Verified developer account (email/phone)  
\* ✅ Agreed to Developer Terms

3. Test App Creation

\* ✅ Created Facebook App in Developers Console  
\* ✅ Selected appropriate app type (Consumer/Business)  
\* ✅ Added Instagram Graph API product  
\* ✅ Connected app to your professional Instagram account

## Current App Configuration Checklist

Essential Information You Should Have:

### App Credentials

\* [ ] App ID: {your-app-id}  
\* [ ] App Secret: {your-app-secret} (Keep secure!)  
\* [ ] App Type: Consumer/Business  
\* [ ] App Status: Development/Live

### Instagram Graph API Product

\* [ ] Product Added: Instagram Graph API in app dashboard  
\* [ ] Valid OAuth Redirect URIs: Configured in app settings  
\* [ ] Instagram Business Account ID: Retrieved and noted  
\* [ ] Connected Facebook Page: Linked to Instagram account

### Test Environment Setup

\* [ ] Test Users: Added test Instagram accounts (if needed)  
\* [ ] Permissions: Configured required permissions  
\* [ ] Webhooks: Set up if needed for real-time updates

## Verify Your Setup

1. Check App Dashboard

Location: developers.facebook.com/apps/{your-app-id}  
Verify:  
- Instagram Graph API is listed under "Products"  
- App is in "Development" mode  
- Basic settings are complete

2. Verify Instagram Connection

Account Type: Business or Creator ✓  
Connected Page: Facebook Page linked ✓  
Account Status: Professional ✓  
API Access: Enabled ✓

3. Test Basic API Call

# Test if your setup works  
curl -X GET \  
"https://graph.facebook.com/v23.0/me/accounts?access\_token={USER\_ACCESS\_TOKEN}"

## Next Steps Configuration

1. Configure OAuth Redirect URIs

Location: App Dashboard > Instagram Graph API > Basic Settings  
Required URIs:  
  
https://localhost:3000/auth/callback (for local development)  
https://your-domain.com/auth/callback (for production)

2. Set Required Permissions

Location: App Dashboard > App Review > Permissions and Features  
Essential Permissions:  
  
\* instagram\_graph\_user\_profile - Access user profile info  
\* instagram\_graph\_user\_media - Access user's media  
\* pages\_show\_list - Access connected Facebook Pages  
\* pages\_read\_engagement - Read page insights (optional)

3. App Review Preparation

Note: Some permissions require App Review before going live  
Development vs Live:  
  
\* Development Mode: Limited to app administrators and test users  
\* Live Mode: Available to all Instagram users (requires review)

## Common Configuration Issues

⚠️ Instagram Account Type Error

Problem: "This Instagram account is not a business account"  
Solution: Ensure account is converted to Business/Creator and linked to Facebook Page

⚠️ Invalid Redirect URI Error

Problem: OAuth flow fails with redirect\_uri mismatch  
Solution: Ensure redirect URI in app settings exactly matches the one in your code

⚠️ Access Token Issues

Problem: Token-related errors in API calls  
Solution: Verify you're using Page Access Token, not User Access Token for Instagram Graph API

⚠️ App Secret Security

Problem: App secret exposed in client-side code  
Solution: Always keep App Secret on server-side only

## Development Environment Setup

Local Development Recommendations

1. HTTPS Required: Instagram OAuth requires HTTPS (use ngrok for local development)  
2. Environment Variables: Store credentials securely  
3. Test Data: Use your own Instagram account for testing  
4. Logging: Implement comprehensive API request/response logging

### Environment Variables Template

# .env file (NEVER commit to version control)  
FACEBOOK\_APP\_ID=your\_app\_id\_here  
FACEBOOK\_APP\_SECRET=your\_app\_secret\_here  
REDIRECT\_URI=https://localhost:3000/auth/callback  
INSTAGRAM\_ACCOUNT\_ID=your\_instagram\_business\_account\_id

## Testing Your Setup

1. Basic Connectivity Test

# Test if Facebook Graph API responds  
curl "https://graph.facebook.com/v23.0/me?access\_token={token}"

2. Instagram Account Access Test

# Test Instagram account connection  
curl "https://graph.facebook.com/v23.0/{page-id}?fields=instagram\_business\_account&access\_token={token}"

3. Instagram Profile Data Test

# Test Instagram profile access  
curl "https://graph.facebook.com/v23.0/{instagram-account-id}?fields=account\_type,username,media\_count&access\_token={token}"

## Ready for Next Task?

With your setup complete, you should now have:  
  
1. ✅ Professional Instagram account  
2. ✅ Facebook Developer app with Instagram Graph API  
3. ✅ App credentials and basic configuration