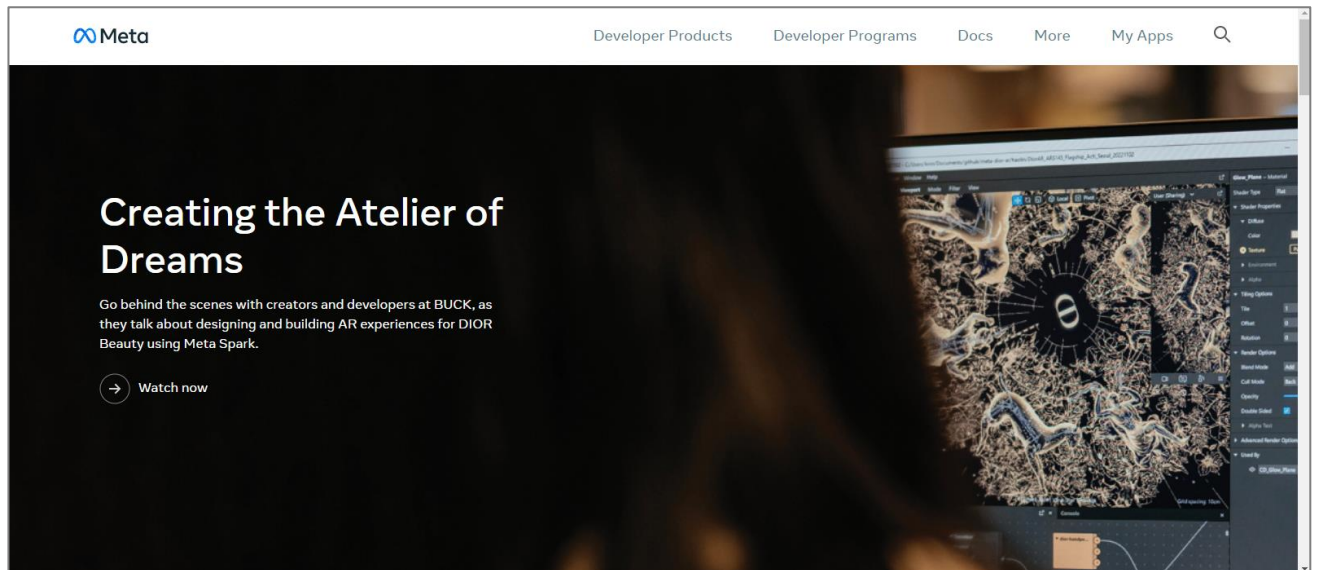


Module No:	1	IU No:	3	Exercise No.	3
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Lab Assessment Statement	<p><b><u>Assignment 3 – Implement O Auth Integration for SignUp</u></b></p> <p>Referring to Assignment-1's Project Scenario,</p> <p>The scope of this assignment is to implement O Auth Integration for SignUp using Facebook for 'XYZ Cars Pte Ltd'.</p> <p>These are the steps provided to build an API.</p> <ol style="list-style-type: none"><li>1. Create developers Account on Facebook</li><li>2. Create New Application for using social integration.</li><li>3. Implement Social login using Facebook in XYZ cars Portal.</li><li>4. Use created App Id and App Secret in Application.</li><li>5. Login using Facebook.</li></ol> <p><b>Provide the source code of developed application.</b></p> <p><b>Provide screen capture of final result pages for API testing.</b></p>
Technical Environment	- Spring Boot, Facebook API Integration
Guidelines	-
Duration	120 mins

## 1. Create developers Account on Facebook

**Step1:** Go to <https://developers.facebook.com/>**Step 2:** Create Account (Fill the form and click sign Up)A screenshot of the Facebook "Create a new account" form. The form is titled "Create a new account" with the subtitle "It's quick and easy." Below the title are two input fields for first and last names, containing "Lep" and "Ashley". There are two input fields for email, both containing "chathushi77@gmail.com". There is a password input field with a masked password "\*\*\*\*\*". Below the password field is a "Date of birth" section with three dropdown menus for day, month, and year, showing "7", "Jul", and "2000". Below that is a "Gender" section with three radio buttons: "Female" (selected), "Male", and "Custom". At the bottom of the form, there is a green "Sign Up" button and a link "Already have an account?". A small disclaimer at the bottom states: "People who use our service may have uploaded your contact information to Facebook. Learn more." and "By clicking Sign Up, you agree to our Terms, Privacy Policy and Cookies Policy. You may receive SMS notifications from us and can opt out at any time."

The screenshot shows the 'Basic' settings page for an app named 'MagicBall' on the Facebook Meta for Developers platform. The app ID is 1219488858978286. The page is divided into two columns. The left column contains a sidebar with navigation links: Dashboard, Settings (selected), App Roles, Alerts, App Review, Products, Activity log, and Activity log. The right column contains the app configuration fields. The 'App ID' field is filled with 1219488858978286. The 'App secret' field is masked with dots and has a 'Show' button. The 'Display name' field is filled with 'MagicBall'. The 'Namespace' field is empty. The 'App domains' field is empty. The 'Contact email' field is filled with chathushi77@gmail.com. The 'Privacy Policy URL' field is filled with Privacy policy for Login dialog and app details. The 'Terms of Service URL' field is filled with Terms of Service for Login dialog and App Details. The 'User data deletion' field is filled with Data deletion instructions URL. The 'App icon' field shows a placeholder for a 1024 x 1024 image. The 'Category' dropdown is set to 'Games' and the 'Sub-category' dropdown is set to 'Choose a subcategory'. At the bottom right, there are 'Discard' and 'Save changes' buttons.

Meta for Developers

App ID: 1219488858978286 App Mode: Development Live App type: Gaming Services

Dashboard Settings App Roles Alerts App Review Products Activity log Activity log

App ID: 1219488858978286 App secret: [masked] Show

Display name: MagicBall Namespace:

App domains: Contact email: chathushi77@gmail.com

Privacy Policy URL: Privacy policy for Login dialog and app details Terms of Service URL: Terms of Service for Login dialog and App Details

User data deletion: Data deletion instructions URL You can also provide a link

App icon (1024 x 1024)

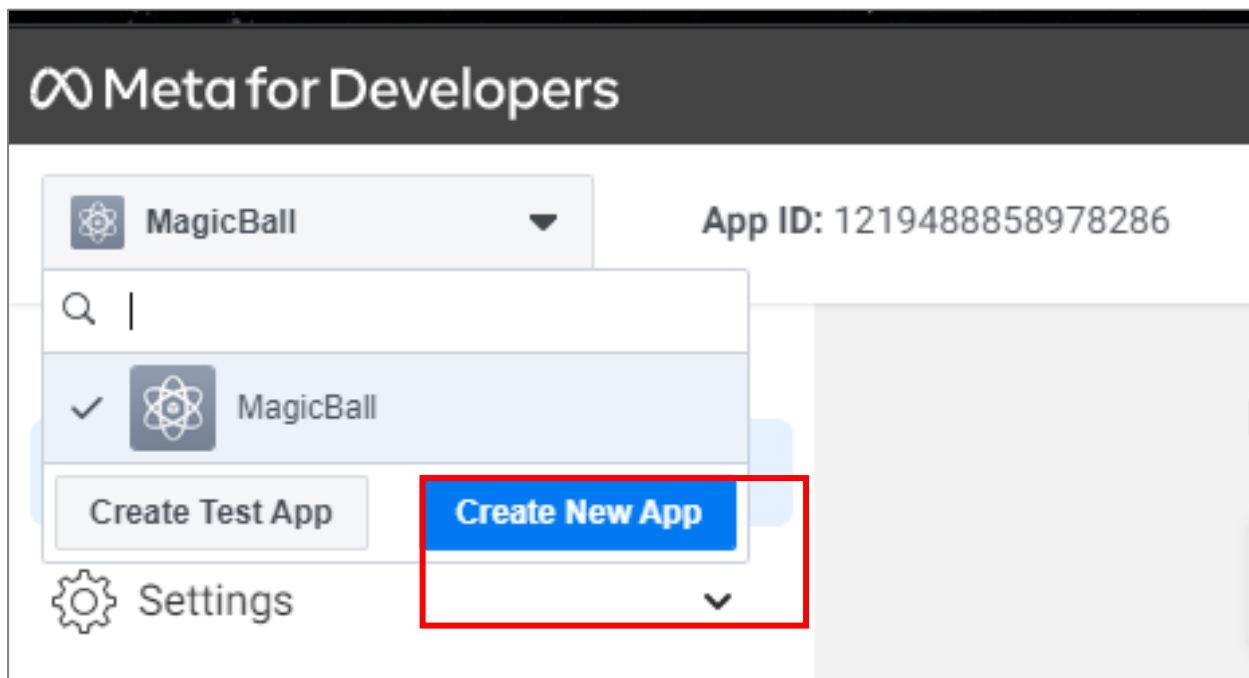
Category: Games Sub-category: Choose a subcategory

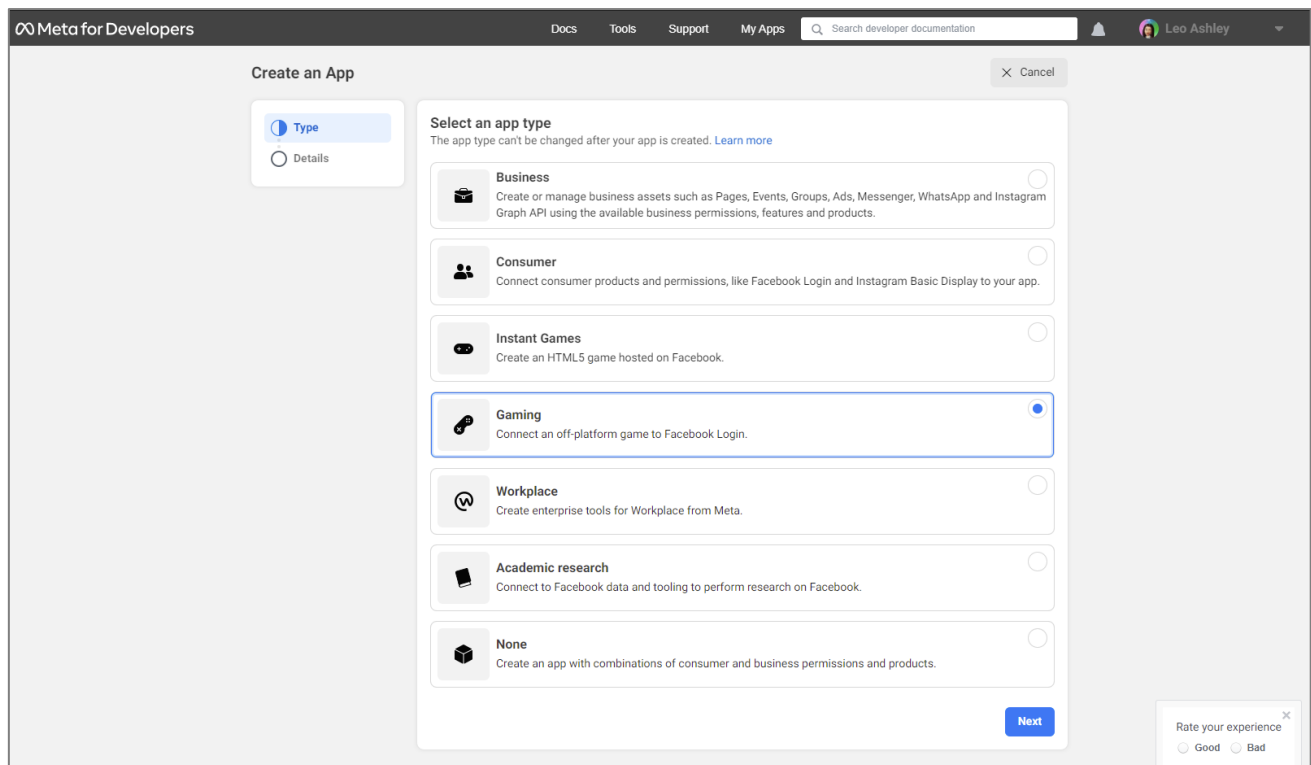
Find out more information about app categories here

Discard Save changes

2. Create New Application for using social integration.

### Step 1:



**Step 3: Select App Type**

The screenshot shows the 'Create an App' interface in the Meta for Developers portal. The 'Type' tab is active, and the 'Select an app type' section is displayed. The app type 'Gaming' is selected, indicated by a blue radio button and a blue border. The 'Next' button is visible at the bottom right of the selection area.

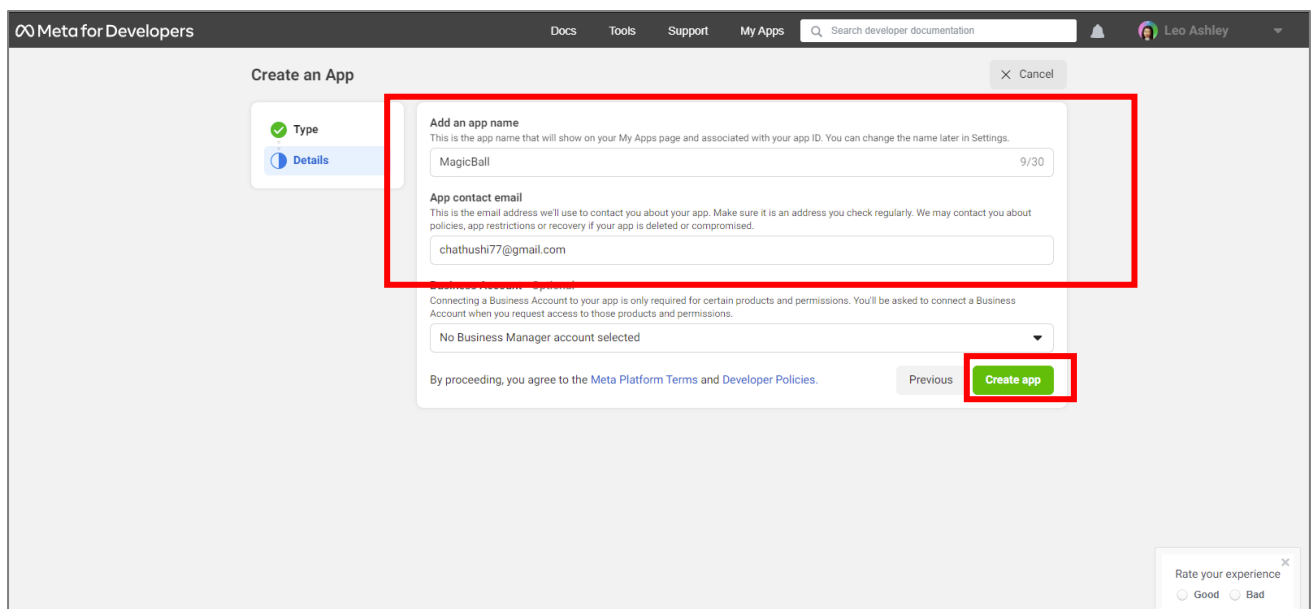
**Create an App**

**Select an app type**  
The app type can't be changed after your app is created. [Learn more](#)

- Business**  
Create or manage business assets such as Pages, Events, Groups, Ads, Messenger, WhatsApp and Instagram Graph API using the available business permissions, features and products.
- Consumer**  
Connect consumer products and permissions, like Facebook Login and Instagram Basic Display to your app.
- Instant Games**  
Create an HTML5 game hosted on Facebook.
- Gaming** (Selected)  
Connect an off-platform game to Facebook Login.
- Workplace**  
Create enterprise tools for Workplace from Meta.
- Academic research**  
Connect to Facebook data and tooling to perform research on Facebook.
- None**  
Create an app with combinations of consumer and business permissions and products.

**Next**

Rate your experience  
☐ Good ☐ Bad

**Step 4: Give the App name and Contact Email Address and Click create app button**

The screenshot shows the 'Create an App' interface in the Meta for Developers portal, now at the 'Details' tab. The 'Add an app name' and 'App contact email' fields are filled out. The 'Create app' button is highlighted with a red box.

**Create an App**

**Add an app name**  
This is the app name that will show on your My Apps page and associated with your app ID. You can change the name later in Settings.  
MagicBall 9/30

**App contact email**  
This is the email address we'll use to contact you about your app. Make sure it is an address you check regularly. We may contact you about policies, app restrictions or recovery if your app is deleted or compromised.  
chathushi77@gmail.com

**Business Account - Optional**  
Connecting a Business Account to your app is only required for certain products and permissions. You'll be asked to connect a Business Account when you request access to those products and permissions.  
No Business Manager account selected

By proceeding, you agree to the [Meta Platform Terms](#) and [Developer Policies](#).

**Previous** **Create app**

Rate your experience  
☐ Good ☐ Bad

The screenshot shows the Facebook Developer App Settings page for an app named 'MagicBall'. The app ID is 1219488858978286. The app mode is set to 'Development' and the app type is 'Gaming Services'. The settings are organized into two columns:

- Left Column:**
  - App ID: 1219488858978286
  - Display name: MagicBall
  - App domains: (empty)
  - Privacy Policy URL: Privacy policy for Login dialog and app details
  - User data deletion: Data deletion instructions URL (dropdown menu)
  - Category: Games
  - Sub-category: Choose a subcategory
- Right Column:**
  - App secret: (masked with dots, with a 'Show' button)
  - Namespace: (empty)
  - Contact email: chathushi77@gmail.com
  - Terms of Service URL: Terms of Service for Login dialog and App Details
  - App icon (1024 x 1024): (placeholder image)

At the bottom right, there are 'Discard' and 'Save changes' buttons.

3. Implement Social login using Facebook in XYZ cars Portal.
4. Use created App Id and App Secret in Application.

### Application.yml

```
spring:
  datasource:
    url: jdbc:mysql://localhost:3306/api_a3
    username: root
    password: divergent77

  jpa:
    show-sql: true
    hibernate:
      ddl-auto: update
    properties:
      hibernate:
        dialect: org.hibernate.dialect.MySQL8Dialect

  security:
    oauth2:
      client:
        registration:
          facebook:
            clientId: 1219488858978286
            clientSecret: 9c441a98569ee27c56afe4cea96ad827
            redirectUri: http://localhost:8080/oauth2/callback/facebook
            scope:
              - email
              - public_profile
        provider:
          facebook:
            authorizationUri: https://www.facebook.com/v3.0/dialog/oauth
            tokenUri: https://graph.facebook.com/v3.0/oauth/access_token
            userInfoUri: https://graph.facebook.com/v3.0/me?fields=id,name,email,picture.width(250).height(250)

  app:
    auth:
      tokenSecret: 9A95527AD6356DCDC6F7556D5411A
      tokenExpirationMsec: 86400000
    oauth2:
      authorizedRedirectUris:
        - http://localhost:3000/oauth2/redirect
```

## 5. Login Using Facebook

**Login**

XYZ CARS

HOME SELL A CAR

Login Register

**Login**

chathu@777

\*\*\*\*\*

Login

OR

Continue with Facebook

[Create an account](#)

XYZ CAR PVT LTD

**Facebook Logged Account**

(After logging in with Facebook email and password, you can see the user profile as below)

XYZ CARS

HOME SELL A CAR

Leo Ashley

Leo Ashley

XYZ CAR PVT LTD



Assignment 3.zip