

Mobile App Integration Guide: Subscriptions & Payment

Overview

The Biltix application follows a **"Payment First" Registration Flow**. This guide details how to handle Registration, Dashboard Warnings, Renewals, and Access Control.

1. Registration Flow (New User)

Step 1: Fetch Plans

Display available subscription plans to the user.

- **Endpoint:** `GET /api/v1/subscriptions/plans`
- **Auth:** Public
- **Response:** List of plans with id, name, price, features etc.

Step 2: Initialize Registration Payment

Collect user details and selected plan.

- **Endpoint:** `POST /api/v1/payment/init_registration`
- **Auth:** Public
- **Body:**

```
{  
  "plan_id": 1,  
  "user_data": {  
    "name": "John Doe",  
    "email": "john@example.com",  
    "phone": "+966500000000",  
    "password": "secret_password",  
    "company_name": "My Company",  
    "role": "contractor",  
    "device_type": "A"  
  }  
}
```

- **Response:** `token` (Save this!), `payment_url` / `form_config`.

Step 3: Process Payment

Use Moyasar SDK or WebView to process payment.

- **Action:** User pays via Credit Card / Apple Pay.
- **Result:** Get the `payment_id` from SDK success callback.

Step 4: Complete Registration

Finalize account creation.

- **Endpoint:** `POST /api/v1/payment/complete_registration`
- **Body:** `{ "payment_id": "...", "token": "..." }`
- **Response:** User object + **Auth Token**. Log the user in.

2. Dashboard Integration

A. Subscription Warning Banner

The app must check if the subscription is expiring soon or expired to show a warning banner on the dashboard.

- **Endpoint:** `POST /api/v1/subscriptions/check_expiry`
- **Auth:** Bearer Token

Response (Scenario: Expiring Soon):

```
{  
  "is_valid": true,  
  "warning": true,  
  "days_remaining": 4,  
  "message": "Your subscription expires in 4 days..."  
}
```

UI Logic:

1. Call this API when Dashboard loads.
2. If `warning` is true: Show an **Orange/Red Warning Banner**.
3. If `is_valid` is false: Block access or show persistent "Expired" modal.

B. Profile Subscription Status

- **Endpoint:** `POST /api/v1/get_user_profile`
- **Response:** Data includes `subscription` object with plan name, status, expiry.

3. Renewal / Upgrade Flow

Use this flow when an existing user clicks "Renew Now" or wants to upgrade.

Step 1: Process Payment

Use Moyasar SDK to capture payment for the plan amount.

- **Result:** Get `payment_reference` (Transaction ID).

Step 2: Activate Renewal

Call the backend to verify and extend the subscription.

- **Endpoint:** `POST /api/v1/subscriptions/subscribe`
- **Auth:** Bearer Token
- **Body:**

```
{  
  "plan_id": 2,  
  "payment_reference": "pay_12345xxxxx",  
  "payment_method": "credit_card"  
}
```

Note: This endpoint automatically **extends** the existing expiry date (adds time) rather than resetting it.

4. Access Control (Permissions)

If a user tries to access a feature restricted by their plan (e.g., "Inspection limits reached"), the API will reject the request.

- **HTTP Code:** 403 Forbidden
- **Response:** { "code": 403, "message": "Access denied..." }
- **App Handling:** Catch 403 errors and prompt user to upgrade.