

# Razorpay Test Mode Account Setup (Advann Project)

This document explains the exact steps followed to create and configure a Razorpay account in Test Mode for free integration in the Advann e-commerce microservices project.

## 1. Purpose

We are using Razorpay in Test Mode so that we can integrate payments in our project without using real money. Test Mode is completely free and safe for development and learning.

## 2. Step-by-Step Setup Process

**Step 1:** Open Razorpay official website.

**Step 2:** Click on Sign Up (top-right corner).

**Step 3:** Complete account registration using mobile number/email and verify OTP.

**Step 4:** After signup, login to Razorpay dashboard.

**Step 5:** Skip bank account details and KYC steps (not required for Test Mode).

**Step 6:** Once dashboard opens, enable Test Mode.

**Step 7:** Confirm Test Mode is enabled by checking the orange banner: 'You are currently in test mode. No real money is involved.'

**Step 8:** Go to Account & Settings (bottom-left sidebar).

**Step 9:** Open API Keys section.

**Step 10:** Click Generate Key to create Test Key ID and Test Key Secret.

## 3. Test Mode Confirmation

Test Mode is confirmed when the dashboard shows an orange message/banner saying:

You are currently in test mode. No real money is involved.

## 4. API Keys (Important)

After generating API keys, Razorpay provides two important values:

Key	Example Format	Purpose
Key ID	rzp_test_xxxxxxxxxx	Used in frontend and backend to identify your Razorpay account
Key Secret	xxxxxxxxxxxxxxxxxx	Used only in backend for secure payment creation and signature verification

## 5. Security Note

Never share your Key Secret publicly. Store it in environment variables or application.yml securely. Key ID can be used in frontend, but Key Secret must remain private.

## 6. Result / Setup Completed

After completing the above steps, Razorpay is successfully configured in Test Mode. Now we can start building the payment-service microservice using Razorpay Java SDK.