

# Mural Pay Coding Challenge

Please complete the following to the best of your ability and submit your challenge here within 48 hours of receiving these instructions (please spend no more than 2–3 hours on this exercise):

Using the Mural Pay API Sandbox Environment, we'd like for you to create a Merchant checkout application that allows customers to purchase the Merchant's products and automatically converts received payments to a COP for bank withdrawal.

More specifically, the application should demonstrate the following workflows:

## Product Checkout & Payment Collection

1. Display a simple product catalog with items for sale
2. Allow customers to select items and initiate checkout
3. Allow customers to complete their checkout in the following currencies:
  1. Stablecoin (USDC on Polygon blockchain)

## Payment Receipt & Verification

1. Detect when a customer's payment has been received
2. Display payment status and confirmation to the merchant

## Automatic Fund Conversion & Withdrawal

1. When payment is received, automatically initiate a conversion and transfer of funds to a bank account denominated in Colombian Pesos (COP)
  2. A way for the Merchant to see the status of their withdrawals
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## Deliverables

Please submit the [following to this form](#):

1. **GitHub Repository Link**
  - Include a README with setup instructions and any relevant documentation
2. **Deployed Application URL**

- A live, publicly accessible link where we can test your application (e.g., Vercel, Netlify, Heroku, Railway, etc.)
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## Resources

- API docs: <https://developers.muralpay.com/docs/getting-started>
  - Sandbox-specific information (how to fund your test accounts, etc.):  
<https://developers.muralpay.com/docs/sandbox-environment>
    - Please be sure to use the **Sandbox environment**:  
<https://api-staging.muralpay.com/>
    - NOTE: you should **not** need to use any real money for your application to work
  - AI Developer Resources:  
<https://developers.muralpay.com/docs/ai-developer-resources#/>
  - Platform docs to assist you in navigating our platform: <https://docs.muralpay.com/en/>
  - Blockchain specific stuff
    - By default our Sandbox environment is configured to work with the Polygon Amoy Testnet ([what is a testnet](#)), you will not need to configure anything here
    - [Amoy Scan](#) — place to view wallets / token transfers / anything blockchain related on the Polygon Amoy testnet
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## Access Note

Please confirm that you have access to our Staging stack.

You will receive an email inviting you to our Staging environment.