Municipal Flag NFT Game - Progress Report

Date: November 25, 2024 **Status:** Development Phase Complete - Ready for Configuration

Project Summary

Your Municipal Flag NFT game has been built. The application allows users to collect AI-generated flags from municipalities around the world as NFTs on the Polygon blockchain.

What Has Been Completed

Component	Status	Description
Website (Frontend)	☑ Done	All pages: Home, Countries, Regions, Flags, Profile, Rankings, Auctions, Admin Panel
Server (Backend)	☑ Done	All features: Geographic data, user accounts, interests, ownership tracking, auctions
Smart Contract	☑ Done	NFT system with pair logic, categories, discounts - includes 33 automated tests
Admin Panel	☑ Done	Manage countries, regions, municipalities, flags visibility
Image Generator	☑ Done	Script to generate flag images using AI
Documentation	☑ Done	Setup guide, demo script, technical architecture

What I Need From You

To complete the project and make it live for demonstration, I need the following:

1. Blockchain Wallet (Required)

You need a crypto wallet to deploy the smart contract.

Action needed:

- Install MetaMask browser extension (https://metamask.io)
- Create a new wallet OR use an existing one
- Send me the **private key** of the wallet (keep this secret, only share with me securely)

Note: This wallet will be the "owner" of the smart contract and receive any payments from NFT purchases.

2. IPFS Storage Account (Required)

To store the flag images permanently, we need an IPFS account.

Action needed:

- Create a free account at https://pinata.cloud
- Go to "API Keys" section
- Create a new API key
- Send me the **API Key** and **API Secret**

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3. AI Image Generation (Optional)

For generating the 64 flag images, we have options:

Option A - Use placeholder images (Free)

- Simple colored flags with text
- Good enough for demonstration

Option B - Use AI-generated images (Paid)

- Beautiful heraldic-style flags
- Requires account at https://replicate.com (~$5-10 for 64 images)
- Send me the **API Token** if you choose this option

Which option do you prefer?

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4. Test Cryptocurrency (Free)

The demo runs on Polygon's test network (free, not real money).

Action needed:

- After you set up MetaMask, I will guide you to get free test MATIC
- Or I can do this step for you if you share the wallet address

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Questions for You

1. **Admin Password:** What password do you want for the admin panel?

2. **Demo Content:** The demo includes 4 countries (Spain, France, Germany, Italy). Do you want different countries?

3. **Flag Prices:** Current demo prices are:

   - Standard flags: 0.01 MATIC
   - Plus flags: 0.02 MATIC
   - Premium flags: 0.05 MATIC

Are these okay for the demo?

4. **AI Images:** Do you want placeholder images (free) or AI-generated images (small cost)?

Next Steps

Once you provide the above information:

Step	Time Needed
Configure all settings	1 hour
Deploy smart contract	30 minutes
Generate/upload flag images	1-2 hours
Final testing	1 hour
Prepare demo environment	30 minutes

Estimated time to complete after receiving your information: 1 day

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How to Send Information Securely

Important: Private keys and API secrets should be sent securely.

Options:

1. Send via the platform's private messaging
2. Use a password-protected document
3. Share via a secure note service (like privnote.com - message deletes after reading)

Timeline Reminder

Deadline: December 10, 2024

We are on track. Once I receive the required information, the demo will be ready within 2-3 days.

Please let me know if you have any questions!