

# Sparkloom Hackathon - Builders' Guide

Participants can choose to compete in one of the tracks:

## Code Challenges

### Consumer Centric Track

This track focuses on helping create everyday onchain interactions. Apps that everyone opens each day such as social/socialfi, entertainment, or loyalty systems.

First Place: 3k USDT

Second Place: 2K USDT

Third Place: 1K USDT

Additionally, promising teams will be invited to our incubator program

### Ideas to build

1. Loyalty points system to replace existing systems in retail. Incentivise users/customers to return to the platform by allowing them to earn points while using a specific protocol or project.
2. NFT Ticketing platform for online events. Build a dApp that allows for event platforms like Luma to build events and tickets on chain and use onchain verification methods to gate these events. Focus on making the experience as seamless as possible for both event organizers and event goers. Bring this to the real world by integrating geolocation and more.
3. Intellectual Property - allow creators to register or trademark their work on chain and share their creations via on chain licensing agreements. This can take the form of multiple types of media such as music, video, or art.
4. SocialFi - Take inspiration from existing socialfi dApps like Friend tech. How can you build your own version and improve upon the concept? Go beyond text and integrate use cases like video or voice communications based on key ownership.
5. Come up with your own ideas not mentioned here and wow us, we're looking for dApps that give us a reason to open them everyday and start interacting onchain.

## **AI Track**

Any projects AI-related focused around token incentives or other web3 use cases.

First Place: 3k USDT

Second Place: 2K USDT

Third Place: 1K USDT

Additionally, promising teams will be invited to our incubator program

## **Ideas to build**

1. AI Games - Players interact with AI and train their AI characters to better meet their individual needs, such as aligning more closely with personal preferences or being more competitive and powerful within the game mechanics.
2. AI Prediction Markets - Incentivize data scientists/AI models through tokens to build the prediction model that are more efficient and better suited for the crypto world
3. AI trading bot - Combines both on-chain and off-chain data and merge them into an extensible database to provide support for trading decisions.
4. Autonomous Agent - An autonomous agent utilizes vast amounts of data and algorithms to simulate human thinking and decision-making processes, and performs various tasks and interactions.
5. Decentralized computing power - Design the token incentives encourage individuals or businesses with idle computing power resources to provide their resources, significantly reducing usage costs and establishing a marketplace for computing power supply and demand.
6. Decentralized Model - By employing incentive mechanisms, efforts have been made to create, train, inference superior AI models. Initially, barriers between different models were dismantled, fostering an environment where models could learn from each other, collaborate, and engage in healthy competition
7. AI Data & Storage - Build a trusted and permanent on-chain data storage solution by combining ZK and blockchain technologies to achieve on-chain intelligence and decentralization.

## **Innovation Track**

Infrastructure, novel NFT use cases, RWA and more! How can you push the limits of what can be built onchain?

First Place: 3k USDT

Second Place: 2K USDT

Third Place: 1K USDT

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## **Ideas to build**

1. Token-bound accounts(ERC 6551) bring new use cases for NFT's on chain. Build with this standard in any way you like but consider: Token Bound Accounts controlled by AI agents. Apply it to gaming, initiating trades/swaps, or analyzing onchain data.
2. Create a proof of concept for RWA using the DN404 or ERC404 NFTs which combine the functionalities of ERC-20 and ERC-721 tokens and facilitate fractional ownership of NFTs which can be linked to Real World Assets.
3. Infrastructure and Developer tools - help other builders accelerate their development processes. Create tools to make deployment easier, or infrastructure for relayers and meta transactions, or improve existing tools that can be used on Morph.
4. Help non coders build their own ideas - no code tools are a great way to help builders who can't code create new ideas. Think of ways to build no code tools for deploying onchain.
5. Come up with your own ideas not mentioned here and wow us, if you feel like your idea might not be fully possible, break down the parts that are needed to make it work and look into building those parts yourself. You'll be helping both yourself and other builders in the ecosystem!

## **Submission Guidelines**

- All submissions must include a deployed contract on Morph Testnet
- A video demo and public Github repo must be available for review
- Your video must include a successful onchain transaction
- Link to your contract on the Morph Explorer (<https://explorer-testnet.morphl2.io/>)

## **Judging Criteria**

- Impact/Contribution to Ecosystem
- Execution - to what extent do you deliver on your projects promise?
- User Experience
- Code quality

## **No Code Track**

Open track submission that allows you to experiment and build on something that you learned during Sparkloom. What a great opportunity to think outside of the box and work on your own idea. Feel free to explore ways you can add value to Morph!

Top Twenty projects: Pool Prize of \$2000

## **Ideas to build**

- Create a dashboard UI Kit for the design system
- Design some swag for upcoming events.
- Design a set of POAPs badges for the next event.
- Create a project using some Data Analytics.
- Map out a new business opportunity highlighting Morph's competitive advantage.
- Create an informational marketing piece about Morph
- Create a great Morph Meme

## **Submission Guidelines**

We will only accept submissions that are new projects. They cannot be something that you have worked on before this hackathon ( and if we are not certain that this is the case, then we exclude the submission.)

- All submissions must be related to Morph
- A video demo and public link to a portfolio must be available for review.

## **Judging criteria**

- Contribution to Ecosystem
- Originality and Creativity
- User Experience and Design