
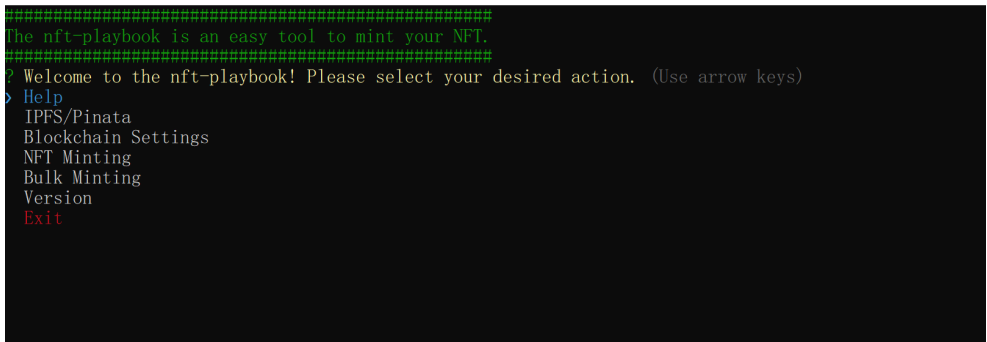



AMOS SS22 Project 7 - NFT Playbook

Project name	Project 7 - NFT Playbook
Project mission	<p>We believe that NFTs have a great potential for companies, artists and private persons. Nevertheless, NFTs are currently either seen as nerdy gadgets or rocket science.</p> <p>With this product, we want to change that. We want to demystify NFTs by enabling enthusiasts to create NFTs with the least possible effort to focus on their particular use case, not having to think about the NFT creation process itself. Through this, we reach increasing acceptance and distribution of the technology. In the end we want to make the world a tiny bit better by for example ensuring digital property rights, enabling identification in a decentralized manner without being dependent on an administering instance.</p>
Industry partner	Siemens Blockchain Lab
Team logo	
Project summary	<p>We created a CLI tool which is able to mint multiple NFTs on Solana and Ethereum simultaneously. Our tool has two main functions:</p> <ol style="list-style-type: none">1. Minting a single NFT through manual input and2. Minting multiple NFTs by creating a JSON file that is read by the tool <p>Both is possible with the least possible effort for the user.</p> <p>We also integrated the possibility to upload files to IPFS through a service called Pinata.</p>
Project illustration	 <p>- Insights into our tool</p>

	<div> <div> <h3>1. CLI / Frontend</h3> <pre> classDiagram class main class Command1 class Command2 class Command3 class Command main --> Command : <<uses>> Command1 --> Command : <<uses>> Command2 --> Command : <<uses>> Command3 --> Command : <<uses>> </pre> </div> <div> <h3>2. Middleware</h3> <pre> classDiagram class Middleware class PinataClient Middleware --> PinataClient : <<uses>> </pre> </div> <div> <h3>3. Backend</h3> <pre> classDiagram class BlockchainConfig class SolanaConfig class EthereumConfig class Blockchain class Solana class Ethereum class SimpleAmosNFTContract["SimpleAmosNFTContract (ERC721)"] BlockchainConfig --> SolanaConfig : <<uses>> BlockchainConfig --> EthereumConfig : <<uses>> BlockchainConfig --> Blockchain : <<uses>> Blockchain --> Solana : <<uses>> Blockchain --> Ethereum : <<uses>> SimpleAmosNFTContract --> Ethereum : <<uses>> </pre> </div> </div> <p>- Overview over our Architecture</p> <p>We put a lot of effort into producing our project video. This will be uploaded to the chairs youtube channel. Make sure to check it out! :-)</p>
Team photo	
Project repository	https://github.com/amosproj/amos2022ss07-nft-playbook
Additional information	<p>Unfortunately, we were not able to integrate the Flow Blockchain due to early architecture choices. This also led to our biggest learning: To take more time in the beginning to choose the right architecture/frameworks to work with.</p>