



# Five Big Ideas for Consumer Crypto

## Bounty Template

### Idea #1: Crypto-based Micro-lending Platform for Small Businesses

Intro: Create a micro-lending platform that enables small businesses to access loans using cryptocurrency, and allows investors to earn interest on their cryptocurrency holdings by lending to these businesses.

Why should someone build this?

- Small businesses often struggle to access traditional loans, particularly in emerging markets and low-income communities. By creating a micro-lending platform that accepts cryptocurrency, we can make it easier for small businesses to access capital and grow their operations.
- Cryptocurrency offers several advantages for micro-lending, including faster and cheaper transactions, greater transparency, and reduced barriers to entry for investors. By allowing investors to earn interest on their cryptocurrency holdings by lending to small businesses, we can provide a new revenue stream for investors and help to support the growth of small businesses.
- This micro-lending platform is unique in that it combines the benefits of cryptocurrency with the need for small business loans. While there are other micro-lending platforms out there, none of them offer the same advantages that this platform does.

Resource:

- Blockchain Use Cases Revisited: [Micro-Lending Solutions for Retail Banking and Financial Inclusion](#) by Christian Hugo Hoffmann [March 19, 2021]
  - [A decentralized KYC based approach for microfinance using blockchain technology](#) by Bodicherla Digvijay Sri Sai, Ramisetty Nikhil, Shivangini Prasad, Nenavath Srinivas Naik [15 September 2022]
  - [Building a decentralized bank for micro businesses in Latin America](#). by Zach Winn MIT News | Massachusetts Institute of Technology [June 24, 2022]
  - [Microlending: Traditional Finance vis-à-vis Decentralised Finance](#) by EasyFi Network (Medium [September 10, 2020])
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## Idea #2: Decentralized Energy Trading Platform

Intro: Create a decentralized energy trading platform that allows individuals and businesses to buy and sell excess energy generated from renewable sources such as solar panels and wind turbines.

Why should someone build this?

- By creating a decentralized energy trading platform, we can enable individuals and businesses to sell excess energy they generate back to the grid, helping them to offset their energy bills and potentially earn money.
- By leveraging blockchain technology, we can create a transparent and secure platform for energy trading that is more resistant to fraud and manipulation. This could help to increase trust in the renewable energy sector and encourage more people to adopt clean energy sources.
- This idea is highly viable because of the decreasing cost of renewable energy sources, which makes it more accessible to households and businesses. The platform could attract a large number of users who are looking to offset their energy bills and potentially earn money by selling excess energy they generate back to the grid.
- Also it can promote decentralization of energy production, reducing reliance on centralized power plants.

Resource:

- [Application of Blockchain Technology in Energy Trading: A Review. Frontiers.](#) by Li, H., Xiao, F., Yin, L., & Wu, F. [March 15,2021].
- [A blockchain based lightweight peer-to-peer energy trading framework for secured high throughput micro-transactions - Scientific Reports](#) by Pradhan, N. R., Singh, A. P., Verma, S., K., Wozniak, M., Shafi, J., & Ijaz, M. F. [August 25,2022].
- [A Framework for Decentralized Energy Trading Based on Blockchain Technology](#) by Huang, D., Ma, S., Zhou, D., Zhang, C., Han, H., Li, Q., Li, T., & Wang, C. [August 23,2022].
- [Blockchain and Smart Contract based Decentralized Energy Trading Platform.](#) by S. Suthar and N. M. Pindoriya [2020 21st National Power Systems Conference (NPSC), Gandhinagar, India]

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## Idea #3: Decentralized Peer-to-Peer E-Commerce Platform

Intro: Create a decentralized peer-to-peer e-commerce platform that connects buyers and sellers directly, without the need for intermediaries such as Amazon or eBay.

Why should someone build this?

- Traditional e-commerce platforms charge high fees to sellers, which can eat into their profits and make it difficult for small businesses to compete.
- By creating a decentralized platform, we can eliminate the need for intermediaries and allow buyers and sellers to transact directly, resulting in lower fees for sellers and potentially lower prices for buyers.
- Decentralized platforms are more resistant to censorship and government interference, making them a more secure option for online transactions.
- By leveraging blockchain technology, we can create a platform that is more transparent, secure, and trustworthy than traditional e-commerce platforms, making our platform more viable and unique.

Resource:

- [Research on Decentralized E-commerce Architecture in P2P Environment](#) | IEEE Conference Publication | IEEE Xplore [25-27 June 2010 ]
  - [A Novel Decentralized E-Commerce Transaction System Based on Blockchain](#) by Xiao, Y., Zhou, C., Guo, X., Song, Y., & Chen, C. [June 7, 2022]
  - [Revolutionizing E-Commerce Using Blockchain Technology and Implementing Smart Contract](#) by H., Khan, M. M., RoJa, N. T., Almalki, F. A., & Aljohani, M. ([May 31, 2022])
  - [The Impact of Blockchain on E-commerce: A Framework for Salient Research Topics](#) by [April 28, 2021]
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## Idea #4: Blockchain-Based Personal Finance Platform for Youth

Intro: Create a blockchain-based personal finance platform that enables youth to easily manage their finances and learn about financial literacy, using Solana's fast and affordable blockchain technology.

Why should someone build this?

- Young people often lack the financial education and resources needed to make informed decisions about their personal finances. By creating a platform that simplifies personal finance and provides educational resources, we can help to fill this gap and empower young people to make better financial decisions.
- As this can provide a greater financial literacy and responsible financial behaviors which in turn, could lead to improved credit scores, better employment opportunities, and overall economic empowerment.

- What sets our personal finance app apart is the combination of simplicity and education. We aim to provide an easy-to-use platform that will help young people track their spending, set financial goals, and manage their budgets.
- Additionally, we will offer educational resources such as articles, videos, and interactive tools to teach users about various aspects of personal finance. This unique combination of features will enable young people to take control of their finances in a way that is both practical and educational
- Solana's fast and affordable blockchain technology enables near-instant transactions and low fees, making it an ideal platform for building a personal finance app.
- By leveraging Solana's technology, we can create a seamless and efficient user experience for young people to manage their finances.

Resource:

- [Powering Financial Literacy Through Blockchain and Gamification: How Digital Transformation Impacts Fintech Education](#) by Yau, Peter Chunyu & Wong, Dennis [October 1, 2021]
  - [Blockchain, adoption, and financial inclusion in India: Research opportunities](#) by Sebastian Schuetz, Viswanath Venkatesh [June, 2020]
  - [A Survey of Blockchain Applications in the FinTech Sector](#) by Renduchintala, T., Alfauri, H., Yang, Z., Pietro, R. D., & Jain, R.[October 13, 2022]
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## Idea #5: Crypto-based Donation Platform

Intro: Create a platform that enables individuals and organizations to donate cryptocurrency to various charities and causes.

Why should someone build this?

- Cryptocurrency offers several advantages for donations, including faster and cheaper transactions, greater transparency, and increased security. By creating a platform that specifically caters to cryptocurrency donations, you can make it easier for people to donate and for charities to receive funds.
- There is a growing interest in using cryptocurrency for philanthropic purposes, with several high-profile donors already contributing to various causes using cryptocurrency. By creating a donation platform that accepts cryptocurrency, you can tap into this trend and provide a new way for people to support their favorite causes.
- This platform can offer a unique solution to the current challenges faced by traditional donation platforms. As it can provide solutions which are not always possible with traditional payment methods.

- Additionally, this platform can attract a new group of donors who are interested in cryptocurrency and are looking for new ways to use it, which in turns makes it unique and viable for future donations.

Resource:

- [Research on Charity System Based on Blockchain](#) by Baokun Hu and He Li [2019]
- [Platform for Tracking Donations of Charitable Foundations Based on Blockchain Technology](#) by Saleh Hadi, Avdoshin Sergey, Dzhonov Azamat [ November 1,2019]
- [Blockchain-based donations traceability framework](#) by Abeer Almaghrabi, Areej Alhogail [November 2022]
- [A Blockchain Based Charity Application](#) by Abhijeet Khamkar, Prathamesh Kotwal, Anand Khatri [ Dec 2021]