Title	**STRIKE**	10/14/2024
	by **Angad Maniyambath** in **Developer Grant Program**	id. 48516330
	angad@oranj.co	

Payment Details Request

Program Milestones and Payment Exhibit ($25k)

Original Submission
12/04/2024

Lead Applicant Legal Name	Angad Maniyambath
Email Address	angad@oranj.co
In which region are you located?	Asia
Would you like for your application to be reviewed by our Asia-based team?	No
Project Name	STRIKE
Is this grant a prize for a Hackathon?	No
Have you been awarded a previous grant, award, or bounty from DFINITY Foundation?	No
How did you learn about the Internet Computer?	We are building betBTC, the fastest prediction market in the bitcoin ecosystem, using ICP's ckBTC. Bob Bodily is our advisor and we believe ICP is the key to building seamless dApps focused on bitcoin.

Before you proceed please review the Guide to Writing Effective Grant Milestones to improve your chances of getting your grant approved	Guide to Writing Effective Grant Milestones
I have read the guidelines for writing effective grant milestones and acknowledge that insuficient milestones will cause my grant to be immediately declined.	checked
Are you applying as an individual or as a team?	Team
Grant Category	Infrastructure
Link to your GitHub (or equivalent)	https://github.com/oranj-codebase/strike
List of team member names and GitHubs (or equivalent)	Angad Maniyambath - https://github.com/kluless13 Edward Lee - https://github.com/edwardoranj Team Codebase: https://github.com/oranj-codebase
Team Dynamics	Angad - CEO and Founder Edward - CTO and Founding Engineer Developers will be working full time. Team is based in Asia (specifically, India and Hong Kong) Edward has worked on NFT projects on the IC, and has worked with teams building DeAI. Edward has 3+ years working on the IC and has 7+ years working in full stack development.
Project or organization website (if applicable)	strike.oranj.co
Grant application tips	To strengthen your application, please see these grant tips: English Mandarin Chinese

Please briefly describe your project.	STRIKE stands for Smart Transaction Route Integration Kit (similar to Blinks on Solana: https://solana.com/docs/advanced/actions). The goal of this tool is to let the ICP ecosystem create links that can be directly interacted with social platforms like X, OpenChat, ICPSwap and other web-page applications. Our tool will be used by ICP projects such as Bitfinity and more to allow users to trade assets on ICP or even assets bridged to ICP such as ckBTC and bridged runes. Purpose of STRIKE STRIKE by Oranj is a tool designed to facilitate interactions with the Internet Computer Protocol (ICP) directly from social media platforms like Twitter (now X). By using the STRIKE Chrome extension, users can share links that expand into interactive "STRIKE Cards" enabling actions such as engaging with smart contracts (canisters) without leaving the social platform. To utilize STRIKE, users need to install the Chrome extension, and share the STRIKE action link on platforms like X. The shared link unfurls into a STRIKE Card, allowing others to interact with the specified canister actions seamlessly. This integration aims to make decentralized interactions more accessible and efficient by embedding actionable content directly into social media posts. Here is a link for the demo: https://www.loom.com/share/7d108a16e2b4498195e9f1b8389474d1?sid=3bdf5344-3ed3-48e5-a06a-9cbdae96b535
Which of the available grant sizes are you requesting for your work?	$25,000
Status of the project	Started
Link to project GitHub URL	https://github.com/oranj-codebase/strike
Link to project canister URL	https://dashboard.internetcomputer.org/canister/eh7xy-aaaaa-aaaak-ak2wq-cai
Project Roadmap & Milestones	High level workflow https://miro.com/app/board/uXjVLFZJRzk=/ Project Milestone Content Current Project Status The MVP version of STRIKE is fully operational, offering the following features: Basic Canister Integration: Developers can integrate STRIKE with canister update calls that support fundamental data types such as numbers, strings, and principals. Support for more complex data types will be introduced in

future updates.

STRIKE Links on X: Developers can share STRIKE links on the X platform. Users with the STRIKE Chrome extension installed will see these links transformed into interactive STRIKE Cards, allowing direct interaction with canisters.

STRIKE Registry: Functions as a canister whitelist to ensure only admin-reviewed and approved actions are rendered into STRIKE Cards on social platforms.
Enhances user safety and trust in STRIKE interactions.

STRIKE Chrome Extension: Monitors every URL in X posts.
When a URL matches a STRIKE action link and meets safety criteria, it replaces the link with an interactive STRIKE Card.

Milestones
Milestone 1: Expanded Data Handling and Registration System (30 days)
Objective: Enhance STRIKE's capabilities for developers and maintainers by expanding data type support and improving user experience.

Support Complex Data Types:
Add functionality in the Chrome extension to support did to idlFactory conversions.
Overcome the existing eval security issue that currently limits this functionality.

UI Rendering Improvements:
Transition from the Solana-style rendering approach to a Candid UI method, enabling a more intuitive and scalable interface for inputs and buttons.

Milestone 2: Canister Registration Portal (halfway point - 50-60 days)
Develop a dedicated registration page for canisters in the STRIKE Registry.
Allow STRIKE admins to review submissions and approve or reject requests.
Ensure that only registered and approved STRIKE actions are rendered on X (and other future integrated platforms).

Milestone 3: Real-Time Action Preview and Standardized API (final deliverables - 85-95 days)
Objective: Streamline the integration process for STRIKE users and standardize metadata handling.

Real-Time Preview Page:
Provide users (who write STRIKE action metadata) with a real-time preview tool.
Allow users to visualize how STRIKE Cards will render on platforms by editing the action JSON in real time.
Standardized STRIKE Action API:

Introduce a standard Candid HTTP method to convert STRIKE actions into

JSON format.
Define clear standards for the STRIKE Action API, ensuring consistent and efficient metadata creation and rendering.

By achieving these milestones, STRIKE will become a more robust, developer-friendly platform, paving the way for enhanced interaction capabilities and a scalable ecosystem.

[User journey information shared in "STRIKE_milestones.pdf", attached below.]

| What unique benefits does this work bring to the Internet Computer ecosystem? | Expanded Possibilities of STRIKE by Oranj
STRIKE by Oranj unlocks a wide range of possibilities by integrating blockchain interactions directly into social media platforms like X (formerly Twitter). This creates new opportunities in decentralized applications, community engagement, and accessibility. Here's a deeper dive into its potential:

1. Enhanced User Engagement
Interactive Social Media Posts: STRIKE Cards allow users to embed functional blockchain interactions within social media posts, making them actionable without requiring users to navigate away.
Community Polls and Voting: By integrating with smart contracts, users can create decentralized polls or governance votes directly on social platforms, increasing participation and transparency.
Crowdfunding Campaigns: Projects can post campaigns where users interact with smart contracts to contribute funds or participate in token offerings.

2. Seamless Onboarding to Decentralized Platforms
Simplified Access to dApps: Instead of directing users to external decentralized applications (dApps), STRIKE facilitates interactions directly from familiar platforms, lowering the barrier for blockchain adoption.

3. Decentralized Identity and Authentication
Identity Verification: STRIKE could be used to link on-chain identity verifications to social media handles, creating trust layers within online communities.
Token-Gated Content: Social posts can link to blockchain-based access controls, where only token holders can unlock premium content or features.

4. Innovations in Marketing and Campaigns
Gamified Interactions: Projects can create gamified experiences like treasure hunts or challenges where users complete on-chain actions to earn rewards.
Reward Mechanisms: Enable social media-based bounty campaigns or airdrops where users must interact with a smart contract to claim rewards.

STRIKE effectively bridges the gap between decentralized ecosystems and mainstream social media platforms, enabling seamless, engaging, and accessible blockchain interactions. By embedding blockchain actions into everyday communication tools, STRIKE can catalyze broader adoption and redefine how users interact with decentralized technologies. |
| How do you plan to continue building on your project once the grant funding is over? | We will keep updating STRIKE as we are ICP focused, and will aim to bring others chain's assets onto ICP and make it easily accessible via STRIKE. |

How do you plan to attract the community to use what you are building?	We will work with ICP projects to share our tech, so that users may be able to share STRIKE links in X, telegram, openchat and more.
Where do you see your project in the next 12 months?	Our vision for this project is to make defi mainstream within ICP and encourage the creation of technology that makes it easier to onboard users as well as allow various industries to use ICP technology.
You will be required to participate in the forums as part of your developer grant process. What is your forum handle/user?	https://forum.dfinity.org/u/klulesss
Referral	Bob Bodily and Dominic Worner
Do you have any supporting project files (ex. mockups, designs, video)?	Yes

Please upload your project files

Screenshot_2024-10-14_at_6.11.49_PM.png

STRIKE_Milestones_1.pdf

Do you plan to open source your project?	Yes
Do you hope to monetize your project?	No
Today's Date	10/14/2024