SECTION 1: APPLICANT INFORMATION

Applicant Name or Alias

: Kara

Project Name

: GMX JS SDK、 flutter SDK、iso Sdk、android Sdk、java Sdk etc.

Project Description:

The objective of our initiative is to develop a comprehensive and open-source JavaScript Software Development Kit (SDK) tailored for the GMX V2 ecosystem, similar to [Uniswap's SDK](#) available.

This SDK aims to provide developers with the following capabilities:

- Interfaces for liquidity pool, trading pair status, global information, etc.
- Trading interfaces (open positions, close positions, take profit, stop loss, etc.)
- Interfaces for managing positions (add, reduce margin, etc.)
- Functions for managing liquidity
- Interfaces to obtain transaction records (data from the official subgraph), current positions, trading status, etc.

By simplifying these complex operations, the GMX JS SDK will lower entry barriers, catalyze the growth of the GMX ecosystem, and encourage the development of innovative applications and services.

Implementation Plan:

- JS SDK: Extract the relevant code from GMX's interface at [GitHub - gmx-io/gmx-interface](#) .
- Flutter SDK: Use [flutter_js](#) to package it (this is how Transparent Exchange did it).
- iOS SDK: Use JavascriptCore provided by the iOS SDK to run the JS-SDK and package the corresponding code.
- Android SDK: Use the [Javascript Engine QuickJS](#) and package the corresponding code.

Team Members and Qualifications:

Phoenix: JS developer

Jun: WEB3、Mobile (iso/android) developer

Project Links

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Github: [GitHub - transparent-Lab/GMX-SDK: GMX-SDK for flutter-js](#)

Contact Information

:

TG: https://t.me/kara_tsp

Twitter: https://twitter.com/Tsp_exchange

Email: support@tsp.exchange

SECTION 2: GRANT INFORMATION

Requested Grant Size

: 90,000 $ARB

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91

665×694 27.2 KB

](https://global.discourse-cdn.com/business7/uploads/gmx/original/1X/4feff851a5888c7efaf165e4394d3ef6bba6f97c.png)

Funding Address

:0xD6C7f0a21bCe0EeDf0Cf4f2C9F9b8866173fD51d

Funding Address Characteristics

: This is a 2 of 3 multisig Safe Wallet with each key held by a core team member.

Distribution Contract Address

:0xD6C7f0a21bCe0EeDf0Cf4f2C9F9b8866173fD51d

SECTION 3: GRANT OBJECTIVES AND EXECUTION

Objectives #1:

Extract the relevant code from GMX V2

（For one month）

Extract the relevant code from GMX V2 , remove the code unrelated to the UI, and compile it for use with flutter_js.

Deliverables code can be monitored and reviewed in real-time from the open-source GitHub repository.

Objectives #

2

:

JS SDK

Development

(For 2 months)

We will organize the code for Milestone #1

, the compilation environment, and adapt JS for Web. Then, we will proceed with unit testing and write the user manual and documentation.

Deliverables include the open-source code for the JS SDK, which can be viewed on GitHub, as well as the user manual and documentation, which will be announced on the GMX forum.

Objectives #

3

:

Flutter SDK

Development

(For 2 months)

We will use flutter_js to package the Flutter SDK.Then, we will proceed with unit testing and write the user manual and documentation.

Deliverables include the open-source code for the Flutter SDK, which can be viewed on GitHub, as well as the user manual and documentation, which will be announced on the GMX forum.

Objectives #

4

:

iOS SDK Development

(For 2 months)

We will run the JS-SDK using JavascriptCore provided by the iOS SDK. Then, we will proceed with unit testing and write the user manual and documentation.

Deliverables include the open-source code for the IOS SDK, which can be viewed on GitHub, as well as the user manual and documentation, which will be announced on the GMX forum.

Objectives #

5

:

Android SDK

Development

(For 2 months)

We will package with[QuickJS](). Then, we will proceed with unit testing and write the user manual and documentation.

Deliverables include the open-source code for the Android SDK, which can be viewed on GitHub, as well as the user manual and documentation, which will be announced on the GMX forum.

KPIs

We will open-source the code and unit tests for the JS SDK, Flutter SDK, iOS SDK, and Android SDK according to the scheduled milestones. Everyone is welcome to visit GitHub to view them. The user manual and documentation will be published on the GMX forum.

How will receiving a grant enable you to foster growth or innovation within the GMX ecosystem?

The grant will facilitate the development of the GMX V2 JS SDK, which is designed to abstract the complexities of smart contract interactions, providing a user-friendly JavaScript interface. This SDK will empower developers, regardless of their blockchain expertise, to build on the GMX V2 platform easily, fostering a surge in innovative projects and services. The availability of standardized, secure, and well-documented code will reduce development time and costs, attract a broader developer audience, and accelerate the creation of diverse applications. This will not only expand the GMX ecosystem but also enhance its robustness and utility, driving increased traffic, user engagement, and reinforcing GMX's position as a leader in decentralized perpetual trading solutions.

Justification for the size of the grant:

The requested grant size is primarily to cover the costs of two developers for approximately nine months, which includes their salaries, associated overheads, and provisions for post-development maintenance and support. This budget ensures that we can attract and retain high-caliber talent to build a robust and secure SDK. The investment in these developers is critical for creating a seamless integration tool that will facilitate a lower barrier to entry for projects and developers looking to join the GMX ecosystem, thereby directly contributing to its growth and sustainability.

Execution Strategy

- Development

Two skilled developers will be hired to create the JS SDK, Flutter SDK, iOS SDK, and Android SDK.Their work will focus on delivering a user-friendly and efficient toolkit for interfacing with GMX V2 over a period of nine months.

- Use of Funds

Developer Salaries

: The primary allocation of the grant will be towards fair compensation for the developers for the projected timeframe.

Maintenance

: A dedicated fund will be established for ongoing support and iterative updates to the SDK post-launch.

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Documentation

: Resources will be allocated to create a detailed user manual and documentation to facilitate developers' use.

Grant Timeline

- Extract the relevant code from GMX V2 (for one month)
- JS SDK Development (for two months)
- Flutter SDK Development (for two months)
- iOS SDK Development (for two months)
- Android SDK Development (for two months)

Fund Streaming:

We agree to the linear streaming of the grant for the duration of the proposal and understand that the multisig holds the authority to halt the grant at any time, should it be deemed necessary. This ensures flexibility and responsiveness to the evolving needs of the Transparent Exchange.

SECTION 4: PROTOCOL DETAILS

Protocol Performance:

- Development Progress

: Currently in the early stages of development, the project has laid out a comprehensive roadmap and initiated the foundational coding work.

- Milestones

: Although no performance metrics are available yet as the SDK is under development, key milestones have been identified for the upcoming months, which include completing the first iteration of the SDK, initiating community testing, and finalizing documentation.

- Anticipated Impact

: While direct metrics are not yet applicable, the anticipated impact of the SDK on the GMX ecosystem includes increased accessibility for developers, reduced integration time, and a broader reach within the developer community.

Protocol Roadmap:

- Extract the relevant code from GMX V2 (for 1 month)
- JS SDK Development (for two months)
- Flutter SDK Development (for two months)
- iOS SDK Development (for two months)
- Android SDK Development (for two months)

Audit History (if any):

Not yet,we are still in beta and development stage and have not yet been audited.

SECTION 5: Data and Reporting

Is your team prepared to create Dune Spells and/or Dashboards for your incentive program?

Yes, we will create and maintain dashboards to track the usage of our SDK.

Does your team agree to provide bi-weekly program updates on the GMX Forum thread?

Certainly! We are committed to providing bi-weekly program updates on the GMX Forum thread.

Does your team acknowledge that failure to comply with any of the above requests can result in the halting of the program's funding stream?

Yes, we understand that non-compliance can result in halted funding.