Qunat Basket

QuantBasket API Integration Guide for External Systems

This document provides technical instructions for third-party users or organizations to integrate with the QuantBasket Dashboard via API. It allows external systems to interact with community token data, governance, rewards, and user profiles programmatically.

🔐 Authentication

All requests require a valid API key or bearer token. Contact dev@quantbasket.com to request API credentials.

Headers Example:

```
Authorization: Bearer <your-api-token>
Content-Type: application/json
```

📋 Available API Endpoints

1. Get Token Metadata

GET `/api/v1/tokens/:tokenId`

- Description: Fetch details of a community token.
- Response:

```json
{
  "id": "abc123",
  "name": "SAE Coin",
  "symbol": "SAE",
  "totalSupply": 1000000,
  "creator": "0x123...abc",
  "logoUrl": "https://..."
}
```

2. List All Community Tokens

GET `/api/v1/tokens`

- Optional query params: `owner`, `limit`, `offset`
- Returns paginated list of tokens.

3. Get Token Holders

GET `/api/v1/tokens/:tokenId/holders`

- Returns a list of wallet addresses and their balances.

4. Submit Proposal (Governance)

POST `/api/v1/governance/proposals`

- Payload:

```json
{
  "tokenId": "abc123",
  "title": "Upgrade reward policy",
  "description": "We propose increasing monthly rewards."
}
```

5. Vote on Proposal

POST `/api/v1/governance/vote`

- Payload:

```json
{
  "proposalId": "prop789",
  "vote": "yes"
}
```

6. Fetch Reward Catalog

GET `/api/v1/rewards/:tokenId`

- Returns all redeemable rewards under the specified token.

7. Redeem Reward

POST `/api/v1/rewards/redeem`

   • Payload:

```
{
  "rewardId": "reward567"
}
```

   • Returns redemption status and updated balance.

📦 Use Case Examples

🔗 Example: External Partner Shows Token Leaderboard

1. Fetch `/tokens/:tokenId/holders`
2. Sort by balance descending
3. Display usernames + balances in a widget

🔗 Example: DAO Dashboard Syncs Proposals

1. Fetch `/governance/proposals?tokenId=...`
2. Show proposal titles and status
3. Hook vote buttons to `/governance/vote`

⏰ Webhooks (Optional)

We support event-based webhooks on request:

   • Token Created
   • Proposal Submitted
   • Reward Redeemed

Email `api@quantbasket.com` to enable and configure webhook URLs.

🛠️ Integration Notes

   • Rate limit: 100 requests/min per token.
   • All timestamps are in UTC.
   • API responses follow REST JSON standards.
   • Use wallet addresses or user IDs for lookups.

🧑‍🚀 Onboarding New Integrators

1. Request access at quantbasket.com/api-access
2. We will issue your API key and scopes.
3. Follow this document to connect your dashboard, app, or internal system.

For detailed developer support, email: `dev@quantbasket.com`

This API is currently in **v1 beta** — subject to change. Production launch planned alongside QuantBasket mobile and portfolio token modules.