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(Service-Oriented Architecture) .

1. Location Purchase Service

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(Polygon Type, Coordinates, Area).

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Base Price × Usage Coefficient (6x) × Area × Density + Extra User Bid

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«Public Decision System» .

2. Public Decision Integration (Voting System)

(Public Decisions).

/public-decision/register .

Webhook CronJob.

() “Approved”.

3. Reward & Distribution Service

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+ × .

× .

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4. Wallet & Blocked Balance Service

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Block .

Unblock .

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5. Admin Management APIs

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-
- (Pending / Approved / Rejected).
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: **Node.js** / **NestJS** ()

: **PostgreSQL** + **Prisma** ORM

Authentication: **SSO** **JWT Token**

Event Bus: **RabbitMQ** / **Kafka**

Validation: **Zod** / **Joi**

Logging & Monitoring: **Winston** + **Prometheus**

Security: Rate Limiting Validation Tokens API

Documentation: **Swagger** / **OpenAPI**

(Acceptance Criteria)
API .
Public Decision .

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API Swagger .

(Deliverables)

API (Create, Get, Vote, Reward, Wallet)

Swagger

Postman

(Log + Metrics)

- : API
- : manager of backend
- : 4
- : 20 40
- :
- : 1
- : 2025.10.28
- : 2025.11.14