

# Fan Token Web App (Full Prototype)

Developed by Tomas Casas – Full Stack Developer



Made with GAMMA

# Technologies Used



## Next.js

Frontend framework



## Node.js & Express.js

Robust backend runtime



## Prisma ORM & PostgreSQL

Efficient data management



## REST APIs

Seamless communication



## JWT

Secure authentication



## Tailwind CSS

Rapid styling

A modern, full-stack approach.

# The Challenge

Teams need a platform to engage fans. Allow supporters to redeem exclusive rewards. Utilize fan tokens or crypto assets.

Rewards include match tickets, signed merchandise, meet-and-greets. Bridging crypto and fan loyalty. Creating unique fan experiences.



# The Solution



## Digital Reward System

Boosts fan engagement.



## Role-Based Access

Admin and User roles.



## Admin Capabilities

Approve users, manage tokens, handle orders.



## User Functions

Register, track tokens, redeem benefits.



## Secure Authentication

Built with JWT.



## Internal Dashboard

Manages platform operations.

# Results & Key Takeaways

## Functional Prototype

Ready for comprehensive testing.

## Intuitive Dashboard

Streamlines admin tasks efficiently.

## Secure & Scalable Backend

Robust REST API architecture.

## Paid Proof of Concept

Foundation for full implementation.

# Testing & Validation

## Swagger

Comprehensive API documentation.

## Postman

Thorough endpoint testing.

Ensuring reliability and trust. Critical for stakeholder confidence.  
Robustness through rigorous testing.

# Development Workflow



## Discovery

Requirement gathering, scope definition.



## Design

UI/UX mockups, system architecture.



## Development

Coding, feature implementation, integration.



## Testing

API validation, user acceptance testing.



## Deployment

Staging, production environment setup.





# Thank You

Contact: tomas.casas2001@gmail.com

GitHub: <https://github.com/tcasas7/NYD-front> /  
<https://github.com/tcasas7/NYD-tokens>