

# OSCAR F DE ALBA GTZ TUREWARD



# DESCRIPTION

TuReward is a digital loyalty system designed to help businesses such as restaurants, bars, and pharmacies enhance customer retention. Using QR codes, customers can easily collect points and redeem exclusive rewards, while businesses can efficiently manage their loyalty programs.

# FEATURES

Separate user types  
(admins and customers)  
with a custom Django  
user model.

## CUSTOM USER MANAGEMENT

Streamlined point  
collection and  
redemption.

## QR CODE INTEGRATION

Admin Panel: Manage  
rewards, add points,  
and view transaction  
history.  
User Panel: Track points,  
view rewards, and link  
to businesses.

## ADMIN/USERS

# USAGE

- **For Businesses:** Register to manage loyalty programs and rewards.
- **For Customers:** Create an account to collect points and redeem rewards.
- QR codes simplify transactions and reward redemptions.



# TECH STACK



Django, Django REST  
Framework, MySQL



HTML, CSS, JavaScript



Adobe Illustrator (for logos  
and illustrations)

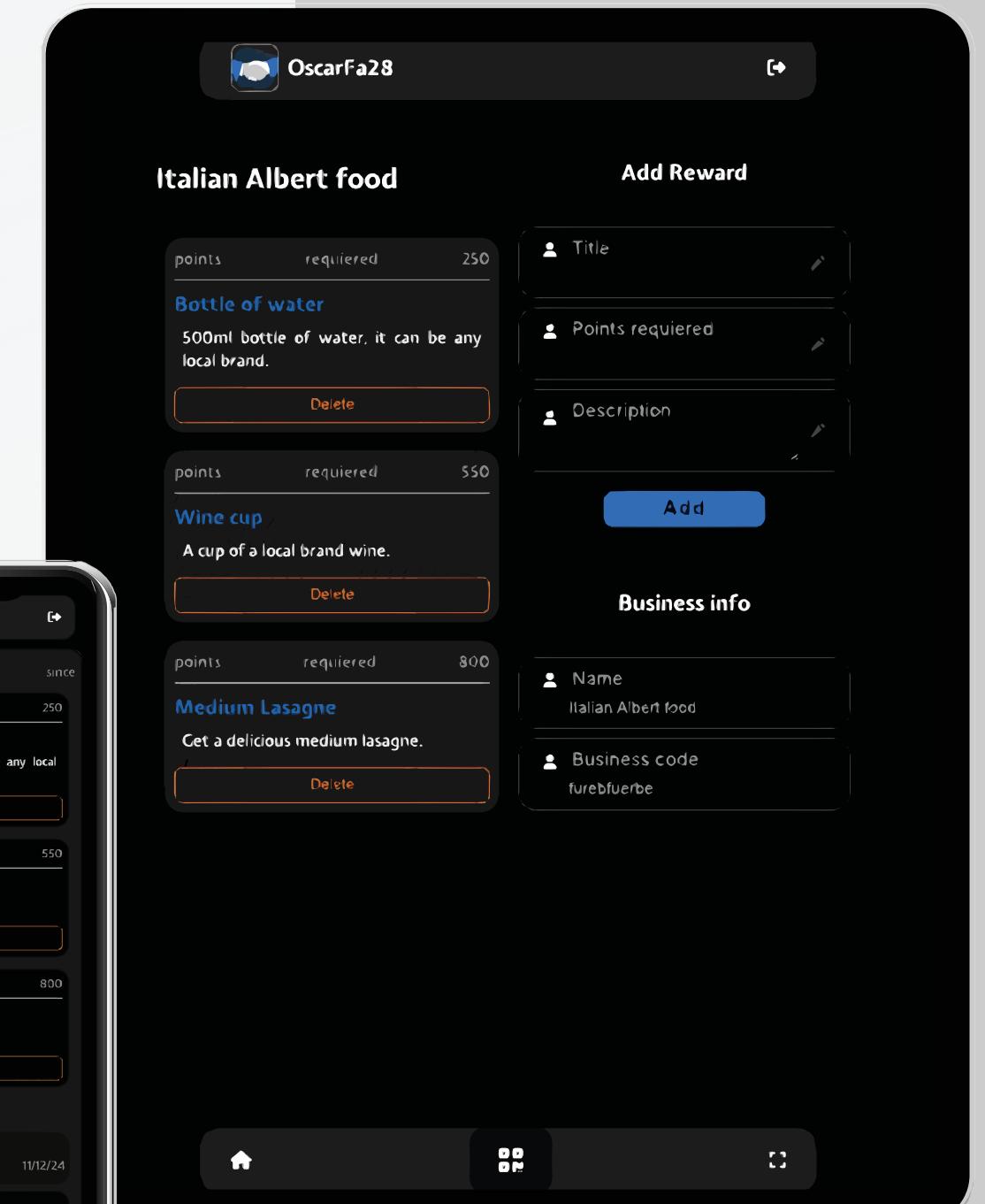
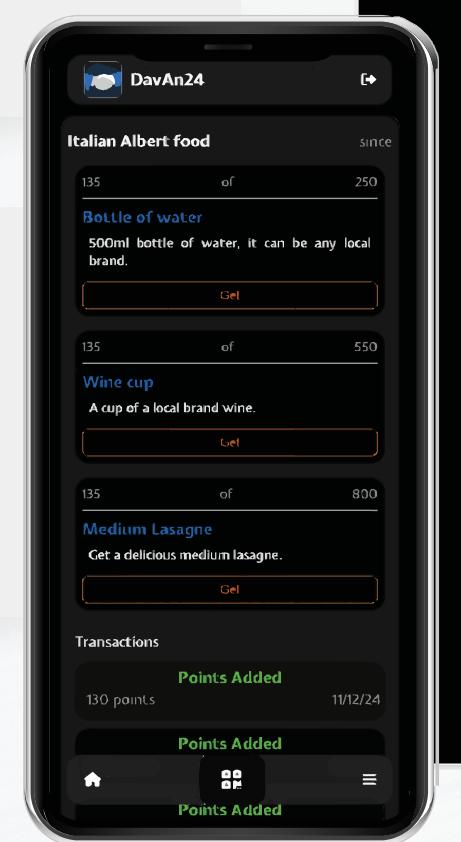
# RESPONSIVELY



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis vulputate nulla at ante rhoncus, vel efficitur felis condimentum.  
Proin odio odio.



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis vulputate nulla at ante rhoncus, vel efficitur felis condimentum.  
Proin odio odio.





# **ADMINISTRATION ENDPOINTS**

## Create Normal User

**Endpoint:** /administration/create-normal-user/

**Method:** POST

**Description:** Creates a new user account. The default account type is normal\_user unless specified otherwise.

**Responses**

201 Created: {"message": "User successfully created."}

400 Bad Request: { "error": "Not same passwords" }

400 Bad Request: { "error": "Invalid type of account" }

**Parameters (JSON)**

Field	Type	Required	Description
first_name	string	Yes	User's first name.
last_name	string	Yes	User's last name.
email	string	Yes	A unique email address.
password	string	Yes	User's password.
passwordConfirm	string	Yes	Must match the password field.
account_type	string	No	normal_user or administrator.
code	string	No	Business code to link the user to a business.

# Rewards Management API

**Endpoint:** /administration/rewards-api/

**Method:** POST, DELETE

**Description:** Allows administrators to create or delete rewards associated with a business.

## POST Parameters (JSON):

Field	Type	Required	Description
title	string	Yes	Name of the reward.
business	int	Yes	The ID of the business creating the reward.

## DELETE Parameters (JSON):

Field	Type	Required	Description
reward_id	int	Yes	The ID of the reward to delete.

### POST Response

- 201 Created: {"message": "New reward created."}
- 404 Not Found: {"error": "Business not found."}

### DELETE Response

- 204 No Content: {"message": "Reward deleted successfully."}
- 404 Not Found: {"error": "Reward not found."}

# Check Code API

**Endpoint:** /administration/check-code-api/

**Method:** PUT, POST

**Description:** Validates and manages points for users by adding or deducting based on the scanned QR code.

## PUT Parameters (JSON):

Field	Type	Required	Description
code	string	Yes	Reward code to redeem.
username	string	Yes	Username of the user redeeming the reward.

## POST Parameters (JSON):

Field	Type	Required	Description
code	string	Yes	User's unique QR code.
business	int	Yes	Business ID where points are being added.
amount	int	Yes	Number of points to add.

## PUT Response

200 OK:

- 404 Not Found: {"error": "Reward/User not found."}
- 400 Bad Request: {"error": "The user does not have enough points."}

## POST Response

200 OK

# Link Business to User API

**Endpoint:** /administration/add-business-api/

**Method:** POST

**Description:** Links a business to a user using the business's unique code.

**Parameters (JSON):**

## Responses

- 201 Created: {"message": "Business linked successfully."}
- 404 Not Found: {"error": "Business not found with the provided code."}
- 200 OK: {"message": "The user is already linked to this business."}

Field	Type	Required	Description
code	string	Yes	Unique code for the business.

# Update Personal Information API

**Endpoint:** /administration/update-personal-info-api/

**Method:** POST

**Description:** Updates the user's personal data.

## Responses

- 200 OK: {"message": "Information updated."}
- 400 Bad Request: { "error": "Invalid input data" }

## Parameters (JSON):

Field	Type	Required	Description
first_name	string	No	Updated first name.
last_name	string	No	Updated last name.
email	string	No	Updated email.



# SCREENS

# ADMIN PANEL



OscarFa28



## Italian Albert food

points required 250

### Bottle of water

500ml bottle of water, it can be any local brand.

Delete

points required 550

### Wine cup

A cup of a local brand wine.

Delete

points required 800

### Medium Lasagne

Get a delicious medium lasagne.

Delete

## Add Reward

Title



Points required



Description



Add

## Business info

Name

Italian Albert food

Business code

furebfuerbe



# USER PANEL

DavAn24 ➔

Italian Albert food since

135 of 250

**Bottle of water**  
500ml bottle of water, it can be any local brand.

Get

135 of 550

**Wine cup**  
A cup of a local brand wine.

Get

135 of 800

**Medium Lasagne**  
Get a delicious medium lasagne.

Get

Transactions

**Points Added**  
130 points 11/12/24

**Points Added**

Home Points Added



# ADMIN SCAN

OscarFa28 ➔

Change to add

Customer Username

Turn on

Choose camera

Italian Albert food

**Points added**  
130 points DavAn24 11/12/24

Home Points Added

# REWARD QR CODE

# ADMIN SCAN



OscarFa28



Change to redeem

Amount



Business

Italian Albert food



Customer Username



Italian Albert food

Points added

DavAn24

11/12/24

130 points

Points added

DavAn24

11/12/24

255 points

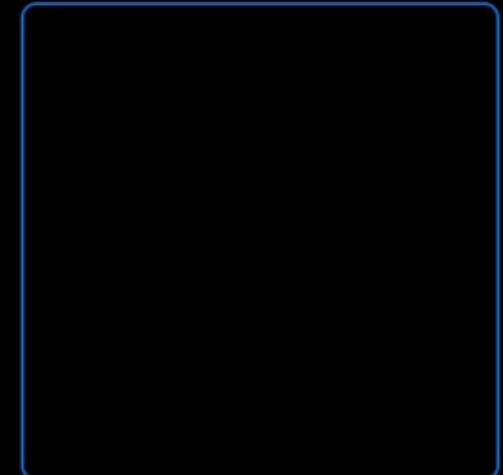
Points spent

DavAn24

11/12/24

250 points

Turn on



Choose camera



# PUBLIC PAGE



DAG Contact Login

## Your Loyalty always Rewarded

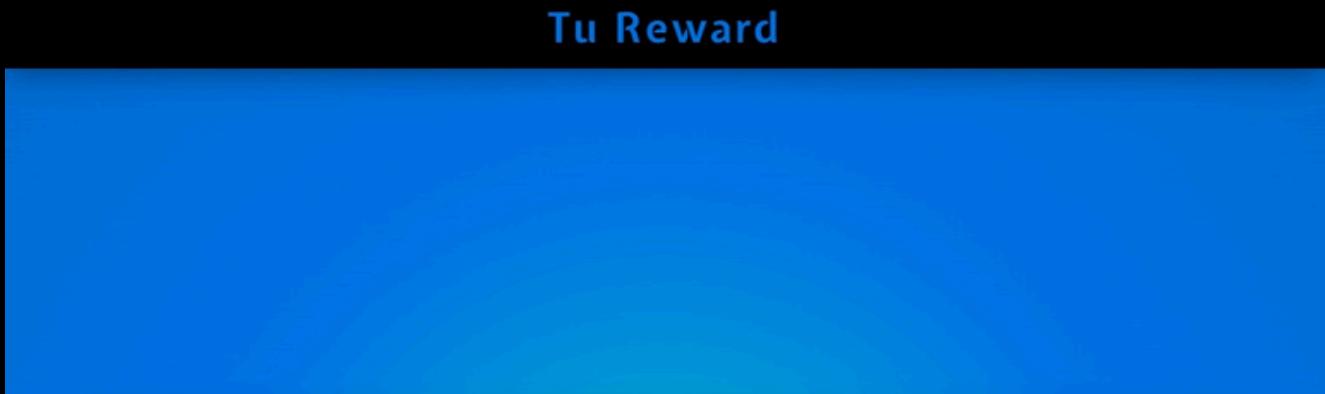
TuReward is a digital loyalty system designed for businesses like restaurants and cafés to enhance customer retention. With QR code technology, customers can earn points for their purchases and redeem them for exclusive rewards. Easy to use, customizable, and efficient, TuReward transforms regular visits into rewarding experiences.

Contact Us

The image displays two screenshots of the TuReward mobile application. The top screenshot shows the 'Add Reward' screen for a user named 'OscarFa28'. It lists three reward items: 'Bottle of water' (points required: 250), 'Wine cup' (points required: 550), and 'Medium Lasagne' (points required: 800). Each item has a description and a 'Delete' button. The bottom screenshot shows the main dashboard for a business named 'Italian Albert food'. It lists the same three rewards and includes a section for 'Transactions' showing a history of points added. The bottom right corner of the main screenshot features a large orange button with the text 'Contact Us'.

# LOGIN PAGE

Tu Reward



Log in

User:

Password:

**Access**

No account? [Sign up](#)

# INFO PANEL



Add business

Business CODE



Add

## Personal info

Username  
DavAn24



Name  
David



Last name  
Antuna Varlon



Phone  
4495674533



Email  
frfrrffr@gtgtgt.com



Modify

