# Rewards Platform 💰

Referral & Rewards platform with PayPal integration.

## Features

- User registration with PayPal

- Referral codes

- VIP Upgrades (Regular, VIP1–VIP7)

- Admin dashboard (view, update, delete users)

## Tech

- Frontend: HTML + PicoCSS + PayPal JS SDK

- Backend: Node.js (Express) + PostgreSQL

- Deployment: Render

## Database Schema

See `schema.sql`

## Run Locally

```bash

cd backend

npm install

npm startNode.jsnode\_modules/

.env

.DS\_StoreCREATE TABLE users (

Id SERIAL PRIMARY KEY,

Email VARCHAR(255) UNIQUE NOT NULL,

Password VARCHAR(255),

Level VARCHAR(20) DEFAULT ‘Regular’,

Referral\_code VARCHAR(20),

Referred\_by VARCHAR(20),

Created\_at TIMESTAMP DEFAULT NOW()

);

CREATE INDEX idx\_users\_email ON users(email);<!DOCTYPE html>

<html lang=”en”>

<head>

<meta charset=”UTF-8”>

<meta name=”viewport” content=”width=device-width, initial-scale=1”>

<title>Admin Dashboard</title>

<link rel=”stylesheet” href=<https://cdn.jsdelivr.net/npm/@picocss/pico@1/css/pico.min.css>>

</head>

<body>

<main class=”container”>

<h2>Admin Dashboard</h2>

<section>

<input type=”text” id=”adminUser” placeholder=”Username”>

<input type=”password” id=”adminPass” placeholder=”Password”>

<button onclick=”login()”>Login</button>

</section>

<section id=”userPanel” style=”display:none;”>

<h3>Users</h3>

<table id=”usersTable”></table>

</section>

</main>

<script>

Async function login() {

Const username = document.getElementById(“adminUser”).value;

Const password = document.getElementById(“adminPass”).value;

Const res = await fetch(<http://localhost:3000/api/admin/login>, {

Method: “POST”,

Headers: { “Content-Type”: “application/json” },

Body: JSON.stringify({ username, password })

});

Const data = await res.json();

If (data.success) {

Document.getElementById(“userPanel”).style.display = “block”;

loadUsers();

} else {

Alert(“❌ Login failed”);

}

}

Async function loadUsers() {

Const res = await fetch(<http://localhost:3000/api/admin/users>);

Const users = await res.json();

Let html = “<tr><th>Email</th><th>Level</th><th>Referral Code</th><th>Referred By</th><th>Actions</th></tr>”;

Users.forEach(u => {

Html += `<tr>

<td>${u.email}</td>

<td>${u.level}</td>

<td>${u.referral\_code}</td>

<td>${u.referred\_by || ‘-‘}</td>

<td>

<button onclick=”updateLevel(‘${u.email}’)”>Upgrade</button>

<button onclick=”deleteUser(‘${u.email}’)”>Delete</button>

</td>

</tr>`;

});

Document.getElementById(“usersTable”).innerHTML = html;

}

Async function updateLevel(email) {

Const level = prompt(“Enter new level (Regular, VIP1-7):”);

Await fetch(<http://localhost:3000/api/admin/update-level>, {

Method: “POST”,

Headers: { “Content-Type”: “application/json” },

Body: JSON.stringify({ email, level })

});

loadUsers();

}

Async function deleteUser(email) {

Await fetch(<http://localhost:3000/api/admin/delete-user>, {

Method: “POST”,

Headers: { “Content-Type”: “application/json” },

Body: JSON.stringify({ email })

});

loadUsers();

}

</script>

</body>

</html>[https://cdn.jsdelivr.net/npm/@picocss/pico@1/css/pico.min.csshttp://localhost:3000/api/admin/loginu.emailhttp://localhost:3000/api/admin/usershttp://localhost:3000/api/admin/update-levelhttp://localhost:3000/api/admin/delete-userhttps://www.paypal.com/sdk/js?client-id=EKFc\_1o3hAV-p2rJ-sPpWXTq80kL1xdQ669OJvMBqzJ-MfclTCL3TRCndL0yGAaAGAtcpr0QfZMRZMp6&currency=USD<!DOCTYPE](https://cdn.jsdelivr.net/npm/@picocss/pico@1/css/pico.min.csshttp://localhost:3000/api/admin/loginu.emailhttp://localhost:3000/api/admin/usershttp://localhost:3000/api/admin/update-levelhttp://localhost:3000/api/admin/delete-userhttps://www.paypal.com/sdk/js?client-id=EKFc_1o3hAV-p2rJ-sPpWXTq80kL1xdQ669OJvMBqzJ-MfclTCL3TRCndL0yGAaAGAtcpr0QfZMRZMp6&currency=USD%3c!DOCTYPE) html>

<html lang=”en”>

<head>

<meta charset=”UTF-8”>

<meta name=”viewport” content=”width=device-width, initial-scale=1”>

<title>Rewards Platform</title>

<link rel=”stylesheet” href=<https://cdn.jsdelivr.net/npm/@picocss/pico@1/css/pico.min.css>>

<script src=<https://www.paypal.com/sdk/js?client-id=EKFc_1o3hAV-p2rJ-sPpWXTq80kL1xdQ669OJvMBqzJ-MfclTCL3TRCndL0yGAaAGAtcpr0QfZMRZMp6&currency=USD>></script>

</head>

<body>

<main class=”container”>

<h2>Welcome to Rewards Platform 🎉</h2>

<p>Register, Refer & Earn. Upgrade your level to unlock more quizzes and commissions.</p>

<section>

<h3>Registration Fee: 50 Ksh (~$0.40)</h3>

<input type=”email” id=”regEmail” placeholder=”Enter your email” required>

<input type=”text” id=”referralCode” placeholder=”Referral code (optional)”>

<div id=”paypal-registration”></div>

</section>

<section>

<h3>VIP Upgrades</h3>

<div id=”paypal-vip”></div>

</section>

</main>

<script>

// ✅ Registration

Paypal.Buttons({

createOrder: (data, actions) => actions.order.create({

purchase\_units: [{ amount: { value: ‘0.40’ } }]

}),

onApprove: (data, actions) => actions.order.capture().then(async (details) => {

const email = document.getElementById(“regEmail”).value;

const referredBy = document.getElementById(“referralCode”).value;

await fetch(<http://localhost:3000/api/register>, {

method: “POST”,

headers: { “Content-Type”: “application/json” },

body: JSON.stringify({ email, referredBy })

});

Alert(‘✅ Registration completed by ‘ + details.payer.name.given\_name);

})

}).render(‘#paypal-registration’);

// ✅ VIP Upgrade

Paypal.Buttons({

createOrder: (data, actions) => actions.order.create({

purchase\_units: [{ amount: { value: ‘5.00’ } }]

}),

onApprove: (data, actions) => actions.order.capture().then(details =>

alert(‘🎉 VIP upgrade successful for ‘ + details.payer.name.given\_name)

)

}).render(‘#paypal-vip’);

</script>

</body>

</html>http://localhost:3000/api/register50