

User Profile App - Complete User Manual

Version: 2.0

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Platform: Web Application (React + Netlify)

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1. Introduction

1.1 What is User Profile App?

User Profile App is a modern, full-stack web application for managing user profiles, points, activities, and social interactions. Built with React and powered by Netlify Serverless Functions, it provides a complete solution for:

- User Authentication** - Secure login and registration
- Profile Management** - Create and edit user profiles
- Points System** - Earn, donate, transfer, and convert points
- Activities** - Create, join, and manage activities
- Leaderboards** - Country and world rankings
- Mobile-Friendly** - Responsive design for all devices

1.2 Key Features

Feature	Description
 Mobile Responsive	Works on phones, tablets, and desktops
 User Authentication	Secure login/register system
 Points Management	Full points economy system
 Activities	Create and participate in activities
 Leaderboards	Country and global rankings

 Serverless Backend	Fast, scalable API endpoints
 Data Persistence	LocalStorage + API storage
 Modern UI	Clean, intuitive interface

2. Getting Started

2.1 Accessing the App

Live URL: <https://your-site-name.netlify.app>

Supported Browsers:

- Google Chrome (recommended)
- Mozilla Firefox
- Microsoft Edge
- Safari
- Mobile browsers

2.2 First Time Setup

1. **Visit the App** - Open the URL in your browser
2. **Splash Screen** - Click "Get Start →" button
3. **Register/Login** - Create an account or sign in
4. **Explore** - Navigate through the app features

2.3 Account Registration

1. Click "Sign up" on the login page
2. Fill in your details:
 - Username
 - Email address
 - Password
3. Click "Create Account"
4. You'll receive 100 welcome bonus points!

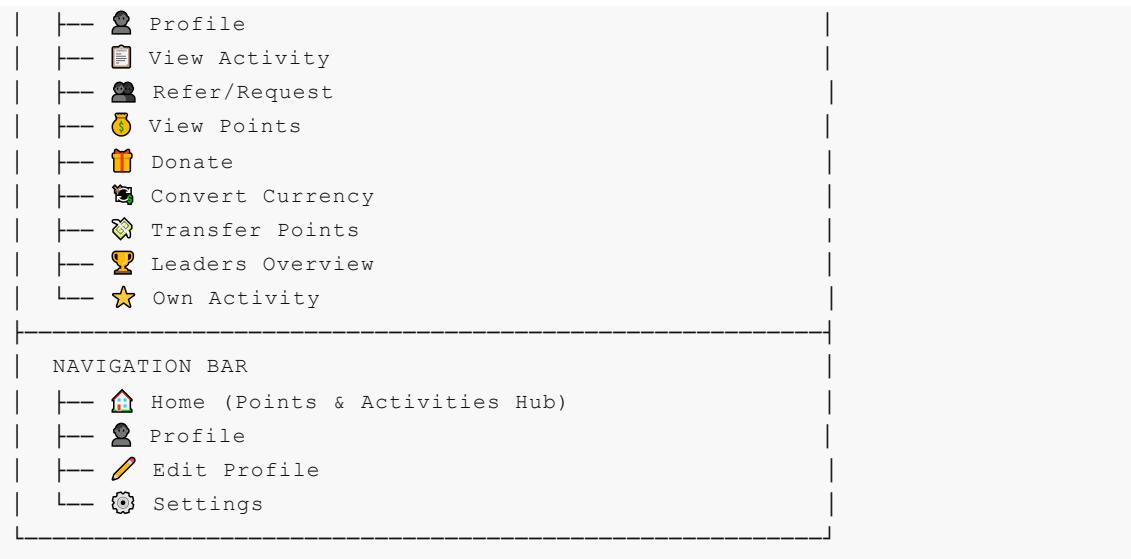
2.4 Logging In

1. Enter your email address
2. Enter your password
3. Click "Sign in"
4. You'll be redirected to the Home page

3. App Features

3.1 Feature Summary





4. Pages Overview

4.1 Complete Page List

#	Page	Path	Description
1	Splash	/	Welcome screen with app intro
2	Login	/login	User authentication
3	Register	/register	New user registration
4	Forgot Password	/forgot-password	Password recovery
5	Home	/home	Main hub with 10 action buttons
6	Profile	/profile	View user profile
7	Edit Profile	/edit	Edit profile information
8	Settings	/settings	App settings and preferences
9	Activities List	/activities-list	View all activities
10	Find Activity	/find-activity	Search activities
11	Activity Form	/activity-form	Request new activity
12	Invite Activities	/invite-activities	Invite friends
13	Friend Requests	/friend-requests	Manage friend requests
14	Points Table	/points-table	View points breakdown
15	Donation	/donation	Donate points
16	Convert Points	/convert-points	Convert to currency

17	Transfer Points	/transfer-points	Transfer to friends
18	Leaders	/leaders	Leaderboard selection
19	Country Leader	/country-leader	Country rankings
20	World Leader	/world-leader	Global rankings
21	Own Activity	/own-activity	Create your activity

Total Pages: 21

5. Navigation Guide

5.1 Desktop Navigation

On desktop (screens wider than 768px), the navigation bar displays horizontally at the top:



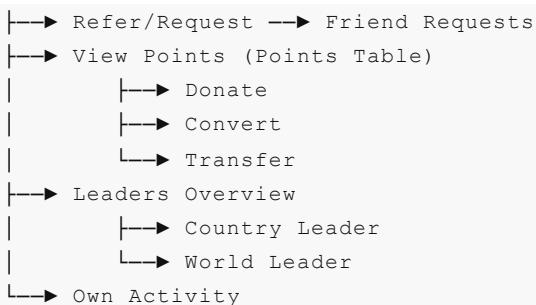
5.2 Mobile Navigation

On mobile devices, tap the hamburger menu (☰) to open the side navigation:



5.3 Navigation Flow





6. Points System

6.1 Understanding Points

Points are the virtual currency in the app. You can:

Action	Description
Earn	Complete activities, referrals, daily login
Donate	Give points to charities or causes
Transfer	Send points to other users
Convert	Exchange points for real currency
Utilize	Redeem for rewards

6.2 Points Breakdown

Access via **Home** → **View Points**

Points Breakdown Table	
Total Points	1500
Donate	250
Utilized	700
Available	550
<hr/>	
[Convert]	
[Donate]	

6.3 Donating Points

1. Go to **Home** → **Donate**
2. Search for a recipient or charity
3. Enter the amount to donate
4. Add an optional message
5. Click "Donate"

6.4 Transferring Points

1. Go to **Home** → **Transfer Points**
2. Search for a friend by name or ID
3. Enter the transfer amount
4. Add an optional note
5. Click "Transfer"

6.5 Converting Points to Currency

1. Go to **Home** → **Convert Currency**
 2. Enter the points amount
 3. Select target currency:
 - o USD (100 points = \$1.00)
 - o EUR (100 points = €0.90)
 - o GBP (100 points = £0.80)
 - o INR (100 points = ₹83.00)
 4. Click "Convert"
-

7. Activities Management

7.1 Viewing Activities

Home → **View Activity**

Activities are displayed as cards showing:

- Activity name
- Date
- Status (Approved/Pending)

7.2 Finding Activities

Home → **Find Activity**

1. Enter search keywords
2. Filter by type (fitness, social, volunteer, education)
3. Browse results
4. Click to view details

7.3 Creating Your Own Activity

Home → **Own Activity**

Fill in the form:

- Activity Name
- Description
- Date & Time
- Location
- Max Participants
- Points Reward

Submit for approval.

7.4 Joining Activities

1. Find an activity

2. Click on it to view details
3. Click "Join Activity"
4. You'll receive points upon completion

7.5 Inviting Friends

[Home](#) → [Refer/Request](#) → [Invite](#)

1. Select an activity
2. Choose friends to invite
3. Add a personal message
4. Send invitations

8. Leaderboards

8.1 Accessing Leaderboards

[Home](#) → [Leaders Overview](#)

Choose between:

- **World Leader** - Global rankings
- **Country Leader** - Your country's rankings

8.2 World Leaderboard

Shows top users globally:

World Leaderboard		
	1. Ravi Kumar (India)	16,500
	2. Priya Sharma (India)	15,800
	3. Alex Johnson (USA)	15,420
	4. Sarah Williams (USA)	14,850
	5. Amit Patel (India)	14,500

8.3 Country Leaderboard

1. Select your country from dropdown
2. View top 10 users in that country
3. See your rank within the country

9. Profile Management

9.1 Viewing Your Profile

[Navigation](#) → [Profile](#)

Your profile displays:

- Avatar/Photo
- Name & Title

- Location
- Bio
- Stats (Posts, Followers, Following)
- Contact Information
- Social Links

9.2 Editing Your Profile

Navigation → Edit

Editable fields:

- **Basic Info:** Name, Title, Location, Bio
- **Contact:** Email, Phone, Website
- **Social:** Twitter, LinkedIn, GitHub

Steps:

1. Click "Edit Profile" or navigate to Edit page
2. Update your information
3. Click "Save Changes"
4. Changes are saved automatically

9.3 Profile Data Persistence

Your profile data is stored in:

1. **LocalStorage** - For offline access
 2. **Backend API** - For cross-device sync (when authenticated)
-

10. Settings

10.1 Accessing Settings

Navigation → Settings

10.2 Notification Settings

Setting	Description
Email Notifications	Receive updates via email
Push Notifications	Browser push alerts
SMS Notifications	Text message alerts
Weekly Digest	Weekly activity summary
Marketing Emails	Promotional content

10.3 Account Settings

Setting	Options
Language	English, Spanish, French, German, Chinese

Timezone	UTC, Eastern, Central, Mountain, Pacific, India
Theme	Light, Dark, Auto (System)

10.4 Privacy Settings

Setting	Options
Profile Visibility	Public, Friends Only, Private
Show Email	On/Off
Show Phone	On/Off

10.5 Danger Zone

⚠ Caution: These actions are irreversible!

- **Deactivate Account** - Temporarily disable your account
 - **Delete Account** - Permanently remove all data
-

11. Backend API Reference

11.1 API Overview

The app uses Netlify Serverless Functions for backend operations.

Base URL: `https://your-site.netlify.app/api`

11.2 Authentication Endpoints

Method	Endpoint	Description
POST	/api/auth/register	Register new user
POST	/api/auth/login	Login
POST	/api/auth/logout	Logout
GET	/api/auth/verify	Verify token

11.3 User Endpoints

Method	Endpoint	Description
GET	/api/users/:id	Get profile
PUT	/api/users/:id	Update profile
DELETE	/api/users/:id	Delete account

11.4 Points Endpoints

Method	Endpoint	Description

GET	/api/points/	Get points
GET	/api/points/history	Get history
GET	/api/points/rates	Get conversion rates
POST	/api/points/add	Add points
POST	/api/points/donate	Donate points
POST	/api/points/transfer	Transfer points
POST	/api/points/convert	Convert to currency

11.5 Activities Endpoints

Method	Endpoint	Description
GET	/api/activities/	List activities
GET	/api/activities/my	My activities
GET	/api/activities/:id	Get activity
POST	/api/activities/	Create activity
PUT	/api/activities/:id	Update activity
DELETE	/api/activities/:id	Delete activity
POST	/api/activities/:id/join	Join
POST	/api/activities/:id/leave	Leave
POST	/api/activities/:id/invite	Invite friends

11.6 Leaderboard Endpoints

Method	Endpoint	Description
GET	/api/leaderboard/	Top 10 world
GET	/api/leaderboard/world	World leaderboard
GET	/api/leaderboard/country/:code	Country leaderboard
GET	/api/leaderboard/countries	List countries
GET	/api/leaderboard/user/:id	User's rank

11.7 Using the API

```
// Import API service
import api from './services/api';

// Authentication
```

```

await api.auth.login('email@example.com', 'password');
await api.auth.register({ username, email, password, name });
await api.auth.logout();

// Points
const { points } = await api.points.getPoints();
await api.points.donate(100, 'Charity');
await api.points.transfer(50, 'friend-id');
await api.points.convert(1000, 'USD');

// Activities
const { activities } = await api.activities.getAll();
await api.activities.create({ name, date, location });
await api.activities.join('activity-id');

// Leaderboard
const { leaders } = await api.leaderboard.getWorld();

```

12. Deployment Guide

12.1 Prerequisites

- GitHub account
- Netlify account
- Git installed locally

12.2 Deploy to Netlify

Step 1: Push to GitHub

```

git add .
git commit -m "Your changes"
git push origin main

```

Step 2: Connect to Netlify

1. Go to <https://app.netlify.com>
2. Click "Add new site" → "Import an existing project"
3. Select "Deploy with GitHub"
4. Choose your repository

Step 3: Configure Build Settings

```

Build command: npm run build
Publish directory: dist
Functions directory: netlify/functions

```

Step 4: Deploy

- Click "Deploy site"
- Wait 2-3 minutes for build
- Your site is live!

12.3 Auto-Deployment

After initial setup, every push to GitHub automatically:

1. Triggers a new build
2. Deploys frontend
3. Updates serverless functions
4. Goes live in ~2 minutes

12.4 Environment Variables

Set in Netlify Dashboard → Site Settings → Environment Variables:

Variable	Description
NODE_VERSION	18 (Node.js version)
JWT_SECRET	Your secret key (production)
DATABASE_URL	Database connection (production)

13. Local Development

13.1 Requirements

- Node.js 18+
- npm or yarn
- Git

13.2 Setup

```
# Clone repository
git clone https://github.com/your-username/your-repo.git
cd user-profile-app

# Install dependencies
npm install

# Start development server
npm run dev
```

13.3 Running with Backend (Netlify Dev)

```
# Install Netlify CLI
npm install -g netlify-cli

# Run with functions
netlify dev
```

This starts:

- Frontend: <http://localhost:8888>

- Functions: `http://localhost:8888/.netlify/functions/`

13.4 Project Scripts

Command	Description
<code>npm run dev</code>	Start development server
<code>npm run build</code>	Build for production
<code>npm run preview</code>	Preview production build
<code>netlify dev</code>	Run with serverless functions

14. Troubleshooting

14.1 Common Issues

Issue: Page not loading

- Clear browser cache
- Check internet connection
- Try a different browser

Issue: Login not working

- Verify email/password
- Clear LocalStorage
- Check network requests

Issue: Points not updating

- Refresh the page
- Check API response
- Verify sufficient balance

Issue: Mobile menu not opening

- Ensure JavaScript is enabled
- Try refreshing
- Clear cache

14.2 Error Messages

Error	Solution
"Invalid credentials"	Check email/password
"Insufficient points"	You don't have enough available points
"Activity not found"	Activity may have been deleted
"Network error"	Check internet connection

14.3 Getting Help

1. Check this manual

2. Review `BACKEND_API_GUIDE.md`
 3. Check browser console for errors
 4. Contact support
-

15. Technical Specifications

15.1 Technology Stack

Layer	Technology
Frontend	React 18 + Vite
Styling	CSS3 + CSS Variables
Routing	React Router DOM
State	React Context + useState
Storage	LocalStorage + API
Backend	Netlify Serverless Functions
Hosting	Netlify CDN

15.2 Browser Support

Browser	Minimum Version
Chrome	90+
Firefox	88+
Safari	14+
Edge	90+
Mobile Chrome	90+
Mobile Safari	14+

15.3 Responsive Breakpoints

Breakpoint	Target
< 360px	Extra small phones
< 480px	Mobile phones
< 768px	Tablets
< 1024px	Small laptops
≥ 1024px	Desktop

15.4 File Structure

```

user-profile-app/
├── index.html          # Entry HTML
├── package.json         # Dependencies
├── vite.config.js       # Vite configuration
├── netlify.toml         # Netlify configuration
└── netlify/
    └── functions/        # Serverless functions
        ├── auth.js
        ├── users.js
        ├── points.js
        ├── activities.js
        └── leaderboard.js
├── public/
    └── manifest.json     # PWA manifest
└── src/
    ├── main.jsx          # App entry point
    ├── App.jsx            # Root component
    ├── App.css            # Global styles
    ├── index.css          # CSS variables
    ├── components/        # Reusable components
        ├── Layout.jsx
        ├── Button.jsx
        ├── Input.jsx
        ├── ProfileCard.jsx
        └── InfoSection.jsx
    ├── pages/             # Page components (21 pages)
    ├── context/            # React Context
        └── UserContext.jsx
    ├── services/           # API services
        └── api.js
    └── utils/              # Utilities
        └── storage.js
└── docs/                # Documentation
    ├── USER_MANUAL.md
    ├── BACKEND_API_GUIDE.md
    └── DATA_STORAGE_GUIDE.md

```

15.5 Performance

Metric	Target
First Contentful Paint	< 1.5s
Time to Interactive	< 3s
Lighthouse Score	90+
Bundle Size	< 200KB (gzipped)

📞 Support & Resources

Documentation Files

File	Description
USER_MANUAL.md	This complete user guide
BACKEND_API_GUIDE.md	API documentation
DATA_STORAGE_GUIDE.md	Storage implementation
DEPLOYMENT.md	Deployment instructions
QUICK_DEPLOY.md	Quick deployment guide
README.md	Project overview

Quick Links

- **Live App:** <https://your-site.netlify.app>
 - **GitHub:** <https://github.com/your-username/your-repo>
 - **Netlify Dashboard:** <https://app.netlify.com>
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Version History

Version	Date	Changes
1.0	Nov 2024	Initial release with frontend
1.5	Dec 2024	Added mobile responsiveness
2.0	Dec 2024	Added Netlify backend functions

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