

Admin User Management Fix - Complete!

Issue Fixed

The admin upgrade/downgrade participant functionality at <http://localhost:5000/admin/users> was not working because the backend route was missing.

What Was Fixed

1. Added Missing Backend Route

- **Route:** `/admin/user/<int:user_id>/toggle_participant`
- **Function:** `admin_toggle_participant(user_id)`
- **Actions:** 'upgrade' (set `is_paid = 1`) and 'downgrade' (set `is_paid = 0`)

2. Enhanced Database Query

- Added `is_paid` field to admin users query
- Added support for 'participants' and 'regular' filters

3. Improved AJAX Response

- Added proper JSON response for AJAX requests
- Returns updated user data for real-time UI updates

4. Admin Action Logging

- Added logging for upgrade/downgrade actions
- Tracks who performed the action and when

How It Works

Backend Logic:

```
@app.route('/admin/user/<int:user_id>/toggle_participant', methods=['POST'])
@admin_required('basic')
def admin_toggle_participant(user_id):
    action = request.form.get('action') # 'upgrade' or 'downgrade'

    if action == 'upgrade':
        # Set is_paid = 1 (participant)
        c.execute('UPDATE users SET is_paid = 1 WHERE id = ?', (user_id,))
    elif action == 'downgrade':
        # Set is_paid = 0 (regular user)
        c.execute('UPDATE users SET is_paid = 0 WHERE id = ?', (user_id,))
```

Frontend Integration:

- JavaScript calls `toggleParticipantRole(userId, action)`
- AJAX request to `/admin/user/${userId}/toggle_participant`
- Real-time UI updates with badges and button states

How to Test

1. Start the app:

```
python app.py
```

2. Login as admin and visit:

```
http://localhost:5000/admin/users
```

3. Test the functionality:

- **Upgrade:** Click ★ star button next to a regular user
- **Downgrade:** Click ★ half-star button next to a participant
- **Filter:** Use "Participants" and "Regular Users" filters
- **Visual feedback:** Watch badges update in real-time

Visual Indicators

User Badges:

- **Participant:** ★ Green badge "Participant"
- **Admin:** 👑 Yellow badge "Admin"
- **Regular User:** No badge

Action Buttons:

- **Upgrade:** ★ Blue button "Upgrade to Participant"
- **Downgrade:** ★ Gray button "Downgrade Participant"

Database Impact

- **Table:** `users`
- **Field:** `is_paid` (BOOLEAN)
- **Values:** `1` = Participant, `0` = Regular User

Result

Admin users can now successfully upgrade regular users to participants and downgrade participants to regular users with real-time visual feedback and proper logging!

