🔧 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:

```python
@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!