

Work Order 13 - Membership Tiers + POD Credits + Swing Limits

Implementation Report

✓ Completed Tasks

1. Membership Tier Structure Updated

New Tiers:

- **Free:** No access to uploads
- **Starter (\$49/month):** 1 lesson/week, 15 swings/lesson
- **Performance (\$99/month):** 2 lessons/week, 15 swings/lesson
- **Hybrid (\$199/month):** 1 remote lesson/week + 1 POD credit/month, 15 swings/lesson
- **Pro (\$997/month):** Unlimited lessons, 25 swings/lesson
- **Assessment (\$299):** 30-day access window, 2 lessons

File: `lib/membership-tiers.ts`

2. Database Schema Extensions

User Model Additions:

```
// POD Credits (Hybrid tier only)
podCreditsAvailable Int      @default(0)
podCreditsUsed      Int      @default(0)
podCreditsLastReset DateTime?
```

Video Model Additions:

```
// Swing Limits
swingCount      Int      @default(0) // Number of swings analyzed
swingLimit      Int?      // Max swings allowed based on tier
```

New Models:

1. **PodSlot:** Defines available time slots (Sat/Sun, 5 slots/day)
2. **PodBooking:** Tracks athlete bookings and attendance

3. Weekly Reset Logic Changed

From: Monday 00:00 UTC

To: Sunday 12:01 AM CST (Central Standard Time)

Implementation: `app/api/videos/upload/route.ts`

- Converts current time to CST
- Calculates week start as Sunday 00:01 CST
- Enforces session caps from that point forward

4. Upload API Enhancements

File: `app/api/videos/upload/route.ts`

New Features:

- Stores `swingLimit` based on user's tier at upload time
- Initializes `swingCount` to 0 (to be updated during analysis)
- Uses new tier structure (starter, performance, hybrid, pro)
- Implements Sunday 12:01 AM CST weekly reset

5. POD System Database Schema

PodSlot Model:

```
model PodSlot {
  id          String   @id @default(cuid())
  date        DateTime // Saturdays and Sundays only
  dayOfWeek   String   // "Saturday" or "Sunday"
  startTime   String   // "12:00", "12:30", "13:00", "13:30", "14:00"
  endTime     String   // Corresponding end times
  maxAthletes Int      @default(3) // 3 athletes per pod
  bookings    PodBooking[]
}
```

PodBooking Model:

```
model PodBooking {
  id          String   @id @default(cuid())
  userId      String
  podSlotId   String
  status      String   @default("confirmed") // confirmed, attended, no_show, cancelled
  attendedAt  DateTime?
  markedBy    String?  // Coach who marked attendance
  creditDeducted Boolean @default(true)
  notes       String?  @db.Text
}
```

Tier Comparison Table

Tier	Price	Lessons/Week	Swings/Lesson	POD Credits	Whop Product ID
Free	\$0	0	0	0	-
Starter	\$49	1	15	0	prod_kNyobCww4tc2p ⚠
Performance	\$99	2	15	0	prod_04CB6y0IzNJLe ⚠
Hybrid	\$199	1	15	1/month	prod_HYBRID_199 ⚠
Pro	\$997	Unlimited	25	0	prod_PRO_997 ⚠
Assessment	\$299	2 (30 days)	15	0	prod_assessment_standard_299 ⚠

⚠ **Action Required:** Update Whop product IDs with real values from Whop Dashboard

Configuration Updates Needed

1. Whop Product IDs

File: lib/membership-tiers.ts

Update these placeholder IDs:

```
starter: {
  whopProductIds: ['prod_kNyobCww4tc2p'], // TODO: Verify or update
}

performance: {
  whopProductIds: ['prod_04CB6y0IzNJLe'], // TODO: Verify or update
}

hybrid: {
  whopProductIds: ['prod_HYBRID_199'], // TODO: Add real Whop ID
}

pro: {
  whopProductIds: ['prod_PRO_997'], // TODO: Add real Whop ID
}
```

2. Timezone Configuration

Current: Hardcoded CST (UTC-6)

Future Enhancement: Use environment variable or detect DST

Remaining UI Work (Phase 2)

These features require additional implementation:

1. Admin POD Credit Management

Location: `/admin/players/[id]` or new `/admin/pod-credits` page

Features Needed:

- View current POD credits for each user
- Manually adjust credits (add/subtract)
- View POD credit usage history
- Reset credits monthly for Hybrid users

2. POD Booking System

Location: New `/pod-booking` player page

Features Needed:

- Calendar view of available Saturdays/Sundays
- Show 5 time slots per day (12:00, 12:30, 1:00, 1:30, 2:00)
- Display “X/3 spots available” per slot
- Book POD session (deducts 1 credit)
- Cancel booking (refund credit)
- Show “No credits available” if user has 0 credits

3. Admin POD Management

Location: New `/admin/pods` page

Features Needed:

- View all POD bookings by date
- Mark athletes as “attended” or “no_show”
- Add coach notes to each booking
- Generate POD attendance reports

4. Upgrade Modal

Location: Triggered from `app/api/videos/upload/route.ts` 403 response

Features Needed:

- Show when session limit reached
- Display current tier and usage
- List available upgrade options
- “Upgrade Now” CTA linking to Whop purchase page
- “Learn More” button with tier comparison

5. Dashboard Updates

Location: `components/membership-usage-card.tsx`

Updates Needed:

- Show “X/Y swings used” (per lesson)
- Show “POD Credits: X” for Hybrid users
- Update monthly reset messaging from “Monday” to “Sunday”



Implementation Notes

Weekly Reset Logic

The system now resets on **Sunday 12:01 AM CST**:

```
// Convert to CST (UTC-6)
const cstOffset = -6 * 60;
const cstNow = new Date(now.getTime() + (cstOffset + now.getTimezoneOffset()) * 60000);

// Get Sunday of this week at 00:01 CST
const dayOfWeek = cstNow.getDay(); // 0 = Sunday
const startOfWeek = new Date(cstNow);
startOfWeek.setDate(cstNow.getDate() - dayOfWeek);
startOfWeek.setHours(0, 1, 0, 0); // 12:01 AM
```

POD Credits Flow

1. **Monthly Grant:** Hybrid users get 1 POD credit per month
2. **Booking:** User books POD slot → 1 credit deducted
3. **Cancellation:** User cancels booking → 1 credit refunded
4. **No-Show:** Coach marks “no_show” → credit NOT refunded
5. **Attended:** Coach marks “attended” → credit remains deducted

Swing Limits

- Stored in `video.swingLimit` at upload time (tier-dependent)
- Compared against `video.swingCount` during analysis
- If `swingCount > swingLimit`, analysis stops or warns



Testing Checklist

Database

- [x] POD credit fields added to User model
- [x] Swing limit fields added to Video model
- [x] PodSlot model created
- [x] PodBooking model created
- [x] Prisma client generated successfully

Backend

- [x] Tier configuration updated
- [x] Weekly reset changed to Sunday 12:01 AM CST

- [x] Upload API stores swing limits
- [x] Session cap enforcement uses new tiers

UI (To Be Tested)

- [] Dashboard shows correct tier info
- [] POD booking interface (not yet built)
- [] Admin POD management (not yet built)
- [] Upgrade modal (not yet built)






Related Documentation

- `lib/membership-tiers.ts` - Centralized tier configuration
- `prisma/schema.prisma` - Database schema with POD models
- `app/api/videos/upload/route.ts` - Upload enforcement logic
- `docs/W013_MEMBERSHIP_TIERS_COMPLETE.md` - Previous work order summary



Deployment Status

-  TypeScript compilation: **PASSED**
-  Next.js build: **PENDING**
-  Checkpoint: **PENDING**



Next Steps

1. **Immediate:** Update Whop product IDs in `lib/membership-tiers.ts`
2. **Phase 2:** Build POD booking UI for athletes
3. **Phase 2:** Build admin POD management UI
4. **Phase 2:** Create upgrade modal component
5. **Testing:** Create test users for each tier
6. **Testing:** Verify Sunday 12:01 AM CST reset behavior

Status: Core backend implementation complete. UI features require additional development.