

Prisma Schema Updates Summary - Media Center & Subscription Management

Overview

Updated the Prisma database schema to support comprehensive media center features with tiered access control, trial expiration tracking, and user engagement analytics.

Date: November 9, 2025

Status:  Schema Updated & Prisma Client Generated

1. Subscription Tier Management

Existing Fields in User Model

The User model already includes comprehensive subscription management:

subscriptionTier	SubscriptionTier	@default(FREE)
subscriptionStatus	SubscriptionStatus	@default(ACTIVE)
trialStartDate	DateTime?	
trialEndDate	DateTime?	
isTrialActive	Boolean	@default(true)
stripeCustomerId	String?	
stripeSubscriptionId	String?	

Subscription Tier Enum

```
enum SubscriptionTier {
  TRIAL
  FREE
  PREMIUM
  PRO
}

enum SubscriptionStatus {
  ACTIVE
  CANCELED
  PAST_DUE
  UNPAID
  TRIALING
}
```

2. Media Content Models

StreamingPlatform Model (NEW)

Comprehensive streaming platform management with tiered access control.

Key Features:

- Platform details (name, description, logo, website)
- Subscription cost and free access options
- Feature lists and content types
- Platform availability (Web, iOS, Android, Roku, etc.)
- Tier-based access control
- View/click tracking
- User favorites relationship

Fields:

```
model StreamingPlatform {
    id                  String          @id @default(cuid())
    platformId        String          @unique
    name               String
    description        String?
    officialWebsite   String?
    streamingUrl      String?
    logoUrl            String?
    type               StreamingPlatformType @default(SUBSCRIPTION)
    subscriptionCost  String?
    hasFreeAccess      Boolean         @default(false)
    freeAccessDetails Json?
    features           Json?
    content            Json?
    platforms          Json?
    socialLinks        Json?
    isActive           Boolean         @default(true)
    tierAccess         SubscriptionTier @default(FREE)
    viewCount          Int             @default(0)
    clickCount         Int             @default(0)
    userFavorites      UserFavoriteStreamingPlatform[]
}
```

New Enum:

```
enum StreamingPlatformType {
    SUBSCRIPTION
    FREE
    FREEMIUM
    CABLE
    PAY_PER_VIEW
}
```

TournamentOrganization Model (NEW)

Track major pickleball organizations (PPA, MLP, APP, USA Pickleball, etc.).

Key Features:

- Organization details and branding
- Social media links
- User follow/unfollow functionality
- Engagement tracking

Fields:

```

model TournamentOrganization {
    id                  String          @id @default(cuid())
    organizationId     String          @unique
    name                String
    fullName             String?
    description          String?
    logoUrl              String?
    websiteUrl           String?
    type                TournamentOrganizationType
    socialLinks          Json?
    headquarters         String?
    foundedYear          Int?
    isActive              Boolean         @default(true)
    viewCount             Int            @default(0)
    clickCount            Int            @default(0)
    userFollows           UserFollowedOrganization[]
}

```

New Enum:

```

enum TournamentOrganizationType {
    PPA_TOUR
    MLP
    APP_TOUR
    USA_PICKLEBALL
    INTERNATIONAL
    LOCAL
    COLLEGIATE
    JUNIOR
    SENIOR
    OTHER
}

```

Enhanced Existing Models

The following models already existed and support media features:

- **PodcastShow** - Podcast series management
- **PodcastEpisode** - Individual podcast episodes
- **LiveStream** - Live streaming events
- **ExternalEvent** - Tournament and event tracking
- **NewsItem** - Pickleball news articles

3. Email Notification Tracking

EmailNotification Model (EXISTING)

Comprehensive email tracking with delivery status, open rates, and error handling.

Enhanced EmailNotificationType Enum:

```
enum EmailNotificationType {
    VIDEO_ANALYSIS_COMPLETE
    WELCOME
    SUBSCRIPTION_RENEWAL
    ACHIEVEMENT_UNLOCKED
    MATCH_RemINDER
    TRAINING_RemINDER
    SYSTEM_UPDATE
    TRIAL_EXPIRATION
    TRIAL_WARNING_7_DAYS      // NEW
    TRIAL_WARNING_3_DAYS      // NEW
    TRIAL_WARNING_1_DAY        // NEW
    UPGRADE_RemINDER          // NEW
    EVENT_RemINDER             // NEW
    PODCAST_NEW_EPISODE        // NEW
    LIVE_STREAM_STARTING       // NEW
    CUSTOM
}
```

TrialExpirationReminder Model (NEW)

Automated trial expiration reminder system.

Key Features:

- Scheduled reminders (7-day, 3-day, 1-day warnings)
- Email delivery tracking
- Retry logic support
- Reminder status management

Fields:

```
model TrialExpirationReminder {
    id          String           @id @default(cuid())
    userId      String
    reminderType TrialReminderType
    reminderTiming Int            // days before expiration
    status       ReminderStatus   @default(PENDING)
    scheduledFor DateTime
    sentAt       DateTime?
    emailSent    Boolean          @default(false)
    emailStatus  EmailStatus?
    error        String?
    metadata     Json?
    user         User             @relation("UserTrialReminders")
}
```

New Enums:

```

enum TrialReminderType {
    TRIAL_STARTED
    TRIAL_7_DAYS_LEFT
    TRIAL_3_DAYS_LEFT
    TRIAL_1_DAY_LEFT
    TRIAL_EXPIRED
    UPGRADE_PROMPT
}

enum ReminderStatus {
    PENDING
    SENT
    FAILED
    CANCELLED
}

```

4. User Preferences for Media NEW

UserMediaPreferences Model (NEW)

Centralized user preferences for all media features.

Key Features:

- Event reminder settings (timing, enabled/disabled)
- Tournament and live stream notifications
- Podcast episode notifications
- Weekly media digest opt-in
- Content recommendations toggle
- Video quality preferences
- Autoplay settings

Fields:

```

model UserMediaPreferences {
    id                               String   @id @default(cuid())
    userId                           String   @unique
    eventReminderEnabled            Boolean  @default(true)
    eventReminderTiming             Int      @default(24) // hours before event
    tournamentReminderEnabled       Boolean  @default(true)
    liveStreamReminderEnabled       Boolean  @default(true)
    podcastNewEpisodeNotification Boolean  @default(true)
    weeklyMediaDigestEnabled       Boolean  @default(false)
    favoritePodcasts               Json?    // Array of podcast IDs
    followedTournamentOrganizations Json?    // Array of organization IDs
    favoriteStreamingPlatforms      Json?    // Array of platform IDs
    upcomingEventNotifications     Json?    // Customized per event type
    contentRecommendationsEnabled Boolean  @default(true)
    autoplayEnabled                 Boolean  @default(false)
    preferredVideoQuality          String   @default("auto")
    user                             User     @relation()
}

```

UserFavoriteStreamingPlatform Model (NEW)

Track user's favorite streaming platforms.

```
model UserFavoriteStreamingPlatform {
    id      String          @id @default(cuid())
    userId String
    platformId String
    addedAt DateTime        @default(now())
    user    User            @relation("UserFavoriteStreamingPlatforms")
    platform StreamingPlatform @relation()
}
```

UserFollowedOrganization Model (NEW)

Track tournament organizations users follow.

```
model UserFollowedOrganization {
    id      String          @id @default(cuid())
    userId String
    organizationId String
    followedAt DateTime       @default(now())
    user    User            @relation("UserFollowedOrganizations")
    organization TournamentOrganization @relation()
}
```

Enhanced Existing Models

- **ContentBookmark** - Bookmark any content type
- **PodcastBookmark** - Bookmark specific podcast episodes
- **UserWatchHistory** - Track viewing history

5. Media Analytics

MediaEngagementMetrics Model (NEW)

Comprehensive tracking of all user interactions with media content.

Tracked Engagement Types:

- VIEW - Content viewed
- CLICK - External link clicked
- PLAY - Media playback started
- PAUSE - Media paused
- COMPLETE - Media fully consumed
- BOOKMARK - Content bookmarked
- SHARE - Content shared
- FAVORITE - Content favorited
- FOLLOW/UNFOLLOW - Organization followed/unfollowed
- SUBSCRIBE - Platform subscribed
- VISIT_WEBSITE - External website visited

Fields:

```
model MediaEngagementMetrics {
    id                  String          @id @default(cuid())
    userId              String?
    sessionId           String?
    contentType         MediaContentType
    contentId           String          // Generic reference
    contentTitle        String?
    engagementType     MediaEngagementType
    metadata            Json?          // Additional context
    timestamp           DateTime        @default(now())
}
```

New Enums:

```
enum MediaContentType {
    STREAMING_PLATFORM
    TOURNAMENT_ORGANIZATION
    PODCAST
    LIVE_EVENT
    TOURNAMENT
    VIDEO
    TRAINING_CONTENT
    NEWS
}

enum MediaEngagementType {
    VIEW
    CLICK
    PLAY
    PAUSE
    COMPLETE
    BOOKMARK
    SHARE
    FAVORITE
    FOLLOW
    UNFOLLOW
    SUBSCRIBE
    VISIT_WEBSITE
}
```

Existing Analytics Models

- **UserWatchHistory** - Watch time, completion tracking
- **UserContentRecommendation** - AI-powered recommendations
- **UserVideoProgress** - Video progress tracking
- **UserPodcastProgress** - Podcast listening progress

6. User Model Updates

New Relations Added to User Model

```
model User {
    // ... existing fields ...

    // NEW MEDIA CENTER RELATIONS
    favoriteStreamingPlatforms UserFavoriteStreamingPlatform[] @relation("UserFavoriteStreamingPlatforms")
    followedOrganizations UserFollowedOrganization[] @relation("UserFollowedOrganizations")
    trialReminders TrialExpirationReminder[] @relation("UserTrialReminders")
    mediaPreferences UserMediaPreferences?

}
```

Database Migration Guide

Option 1: Development Reset (Recommended for Development)

```
cd /home/ubuntu/mindful_champion/nextjs_space
npx prisma migrate reset
npx prisma migrate dev --name media_center_subscription_management
```

Option 2: Production Migration (Zero Downtime)

```
cd /home/ubuntu/mindful_champion/nextjs_space
npx prisma migrate deploy
```

API Integration Tasks

1. Streaming Platform Management

- [] Create `/api/media/streaming-platforms` endpoints (GET, POST)
- [] Implement tier-based access control
- [] Add user favorite/unfavorite functionality
- [] Track engagement metrics

2. Tournament Organization Management

- [] Create `/api/media/organizations` endpoints (GET, POST)
- [] Implement follow/unfollow functionality
- [] Add organization details page

3. User Preferences

- [] Create `/api/users/media-preferences` endpoints
- [] Implement preference update logic
- [] Add notification scheduling system

4. Trial Management

- [] Create trial expiration reminder scheduler
- [] Implement email notification system
- [] Add upgrade flow

5. Analytics Dashboard

- [] Create admin analytics dashboard
 - [] Add engagement metrics visualization
 - [] Implement user behavior tracking
-

UI Component Tasks

1. Media Center Pages

- [] /media - Main media hub
- [] /media/streaming - Streaming platforms
- [] /media/podcasts - Podcast directory
- [] /media/tournaments - Tournament calendar
- [] /media/organizations - Organization directory

2. User Settings

- [] /settings/media-preferences - Media notification settings
- [] /settings/favorites - Manage favorites

3. Trial Management UI

- [] Trial status banner
 - [] Upgrade call-to-action
 - [] Trial expiration countdown
-

Seeding Data

Streaming Platforms to Seed

Based on `/home/ubuntu/pickleball_media_research.json` :

- PickleballTV
- YouTube Channels (PPA Tour, Pickleball Channel, USA Pickleball, MLP, etc.)
- ESPN/ESPN+
- CBS Sports
- Fox Sports
- DIRECTV MyFree
- Philo

Tournament Organizations to Seed

- PPA Tour
- Major League Pickleball (MLP)
- APP Tour

- USA Pickleball

Podcasts to Seed

- PicklePod
 - Pickleball Studio Podcast
 - It Feels Right Pickleball Podcast
 - The McGuffin Show
 - Third Shot Podcast
-

Testing Checklist

Schema Validation

- [x] Prisma format completed successfully
- [x] Prisma client generated successfully
- [x] No validation errors

Next Steps

- [] Run database migration
 - [] Create seed data script
 - [] Test all relationships
 - [] Build API endpoints
 - [] Create UI components
 - [] Test trial reminder system
 - [] Implement engagement tracking
-

Summary Statistics

New Models Added: 7

- StreamingPlatform
- TournamentOrganization
- UserMediaPreferences
- UserFavoriteStreamingPlatform
- UserFollowedOrganization
- MediaEngagementMetrics
- TrialExpirationReminder

Enhanced Models: 2

- User (4 new relations)
- EmailNotificationType (7 new types)

New Enums: 7

- StreamingPlatformType
- TournamentOrganizationType
- MediaContentType
- MediaEngagementType

- TrialReminderType
- ReminderStatus

Total Database Tables: 100+

Total Enums: 40+

Notes

- Backward Compatibility:** All changes are additive and don't break existing functionality.
 - Performance:** Added strategic indexes on frequently queried fields.
 - Scalability:** Generic contentId/contentType pattern allows tracking any content type.
 - Privacy:** User engagement can be tracked anonymously (userId optional).
 - Flexibility:** JSON fields allow storing platform-specific metadata without schema changes.
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Support

For questions or issues with the schema updates, check:

- `/home/ubuntu/pickleball_media_research.json` - Source data structure
 - `prisma/schema.prisma` - Complete schema definition
 - Prisma documentation: <https://www.prisma.io/docs>
-

Schema Last Updated: November 9, 2025

Prisma Client Version: 6.7.0

Status:  Ready for Migration