**HBV501G - Domain Model**

**User**

--

-userId: Long

-email: String

-displayName: String

-passwordHash: String

--

+getUserId(): Long

+setEmail(value: String): void

+getEmail(): String

+setDisplayName(value: String): void

+getDisplayName(): String

**Track**

--

-trackId: Long

-artist: String

-title: String

-album: String

-durationSeconds: int

--

+getTrackId(): Long

+getArtist(): String

+getTitle(): String

+getAlbum(): String

+getDurationSeconds(): int

+getTagNames(): List<String>

**Playlist**

--

-playlistId: Long

-name: String

-visibility: PlaylistVisibility

-playlistOwner: User

-coverImageUrl: String

--

+getPlaylistId(): Long

+setName(value: String): void

+getName(): String

+setVisibility(value: PlaylistVisibility): void

+getVisibility(): PlaylistVisibility

+getPlaylistOwner(): User

+setPlaylistOwner(user: User): void

**PlaylistVisibility**

--

PUBLIC

PRIVATE

--

**PlaylistTrack**

--

-playlistTrackId: Long

-playlist: Playlist

-track: Track

-position: int

-clip: Clip

--

+getPlaylist(): Playlist

+getTrack(): Track

+setPosition(value: int): void

+getPosition(): int

**SavedPlaylist**

--

-savedPlaylistId: Long

-user: User

-playlist: Playlist

-savedAt: LocalDateTime

--

+getUser(): User

+getPlaylist(): Playlist

+getSavedAt(): LocalDateTime

**Tag**

--

-tagId: Long

-name: String

--

+getTagId(): Long

+getName(): String

**TrackTag**

--

-trackTagId: Long

-track: Track

-tag: Tag

--

+getTrack(): Track

+getTag(): Tag

**Clip**

--

-startSec: Integer

-endSec: Integer

--

+getStartSec(): Integer

+getEndSec(): Integer