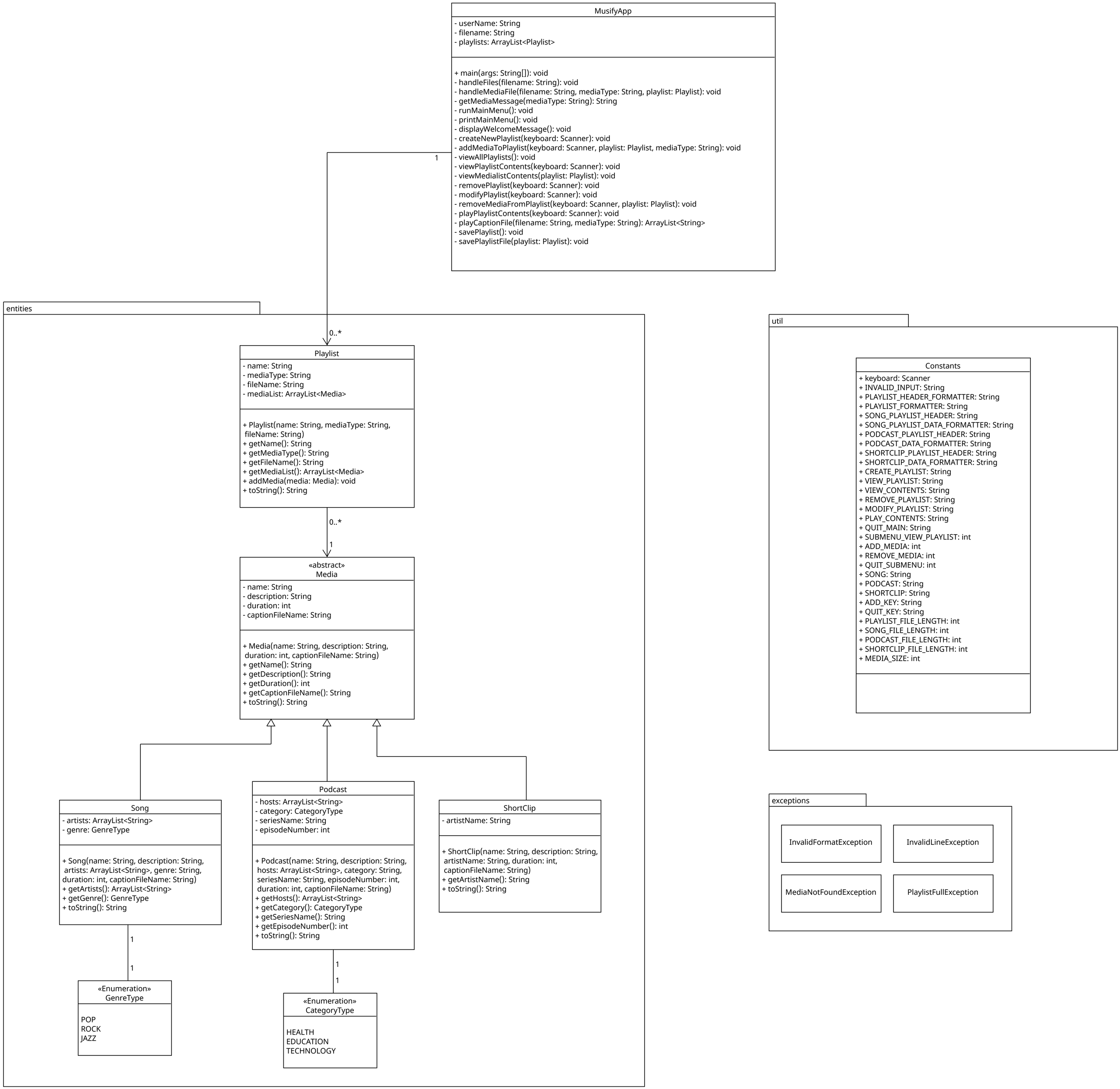
MmusifyApp
- userName: String
- filename: String
- playlists: ArrayList<Playlist>
+ main(args: String[]): void
- handleFiles(filename: String): void
- handleMediaFile(filename: String, mediaType: String, playlist: Playlist): void
- getMediaMessage(mediaType: String): String
- runMainMenu(): void
- printMainMenu(): void
- displayWelcomeMessage(): void
- createNewPlaylist(keyboard: Scanner): void
- addMediaToPlaylist(keyboard: Scanner, playlist: Playlist, mediaType: String): void
- viewAllPlaylists(): void
- viewPlaylistContents(keyboard: Scanner): void
- viewMedialistContents(playlist: Playlist): void
- removePlaylist(keyboard: Scanner): void
- modifyPlaylist(keyboard: Scanner): void
- removeMediaFromPlaylist(keyboard: Scanner, playlist: Playlist): void
- playPlaylistContents(keyboard: Scanner): void
- playCaptionFile(filename: String, mediaType: String): ArrayList<String>
- savePlaylist(): void
- savePlaylistFile(playlist: Playlist): void
1
0..*
entities
Playlist
- name: String
- mediaType: String
- fileName: String
- mediaList: ArrayList<Media>
+ Playlist(name: String, mediaType: String, fileName: String)
+ getName(): String
+ getMediaType(): String
+ getFileName(): String
+ getMediaList(): ArrayList<Media>
+ addMedia(media: Media): void
+ toString(): String
0..*
1
«abstract»
Media
- name: String
- description: String
- duration: int
- captionFileName: String
+ Media(name: String, description: String, duration: int, captionFileName: String)
+ getName(): String
+ getDescription(): String
+ getDuration(): int
+ getCaptionFileName(): String
+ toString(): String
Song
- artists: ArrayList<String>
- genre: GenreType
+ Song(name: String, description: String, artists: ArrayList<String>, genre: String, duration: int, captionFileName: String)
+ getArtists(): ArrayList<String>
+ getGenre(): GenreType
+ toString(): String
Podcast
- hosts: ArrayList<String>
- category: CategoryType
- seriesName: String
- episodeNumber: int
+ Podcast(name: String, description: String, hosts: ArrayList<String>, category: String, seriesName: String, episodeNumber: int, duration: int, captionFileName: String)
+ getHosts(): ArrayList<String>
+ getCategory(): CategoryType
+ getSeriesName(): String
+ getEpisodeNumber(): int
+ toString(): String
ShortClip
- artistName: String
+ ShortClip(name: String, description: String, artistName: String, duration: int, captionFileName: String)
+ getArtistName(): String
+ toString(): String
1
1
«Enumeration»
GenreType
POP
ROCK
JAZZ
1
1
«Enumeration»
CategoryType
HEALTH
EDUCATION
TECHNOLOGY
util
Constants
+ keyboard: Scanner
+ INVALID_INPUT: String
+ PLAYLIST_HEADER_FORMATTER: String
+ PLAYLIST_FORMATTER: String
+ SONG_PLAYLIST_HEADER: String
+ SONG_PLAYLIST_DATA_FORMATTER: String
+ PODCAST_PLAYLIST_HEADER: String
+ PODCAST_DATA_FORMATTER: String
+ SHORTCLIP_PLAYLIST_HEADER: String
+ SHORTCLIP_DATA_FORMATTER: String
+ CREATE_PLAYLIST: String
+ VIEW_PLAYLIST: String
+ VIEW_CONTENTS: String
+ REMOVE_PLAYLIST: String
+ MODIFY_PLAYLIST: String
+ PLAY_CONTENTS: String
+ QUIT_MAIN: String
+ SUBMENU_VIEW_PLAYLIST: int
+ ADD_MEDIA: int
+ REMOVE_MEDIA: int
+ QUIT_SUBMENU: int
+ SONG: String
+ PODCAST: String
+ SHORTCLIP: String
+ ADD_KEY: String
+ QUIT_KEY: String
+ PLAYLIST_FILE_LENGTH: int
+ SONG_FILE_LENGTH: int
+ PODCAST_FILE_LENGTH: int
+ SHORTCLIP_FILE_LENGTH: int
+ MEDIA_SIZE: int
exceptions
InvalidFormatException
InvalidLineException
MediaNotFoundException
PlaylistFullException