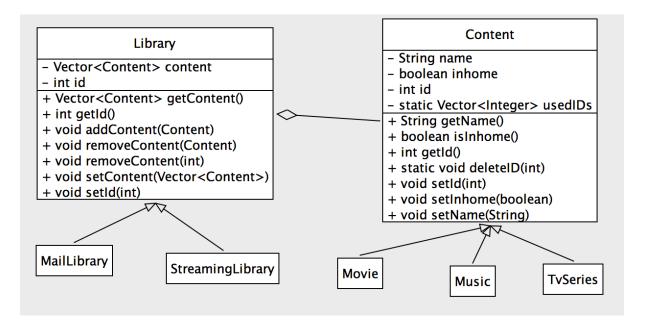
# **Model Diagrams**

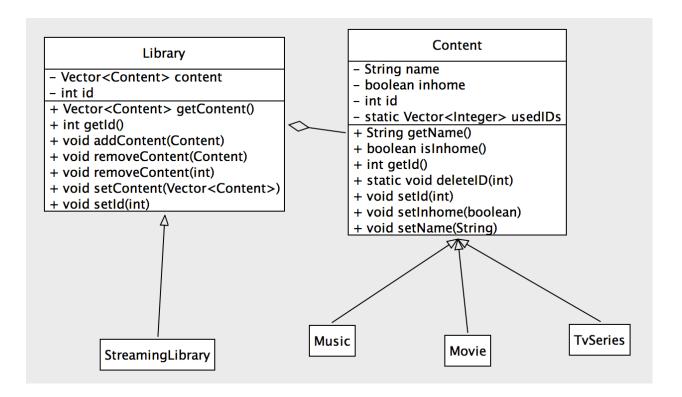
### Task 1: Modelling (MOD)

This document includes separate model diagrams for each Component of my NetFlix-like platform and an overall model diagram

## **Content Distribution:**



**Streaming Library (next page)**:



**Subscription Management (next page)**:

#### Account

- Date registrationDate
- Date trialExpiration
- String email
- Vector<Profile> profiles
- Vector<String> listOfEnabledDevices
- boolean trial
- int id
- static Vector<Integer> usedIDs
- + Date getRegistrationDate()
- + Date getTrialExpiration()
- + String getEmail()
- + Vector<Profile> getProfiles()
- + Vector<String> getListOfEnabledDevices()
- + boolean addProfile(int, String)
- + boolean isTrial()
- + int amountProfiles()
- + int getId()
- + static void deleteID(int)
- + void removeProfile(int)
- + void setEmail(String)
- + void setId(int)
- + void setListOfEnabledDevices(Vector<String>)
- + void setProfiles(Vector<Profile>)
- + void setRegistrationDate(Date)
- + void setTrial(boolean)
- + void setTrialExpiration(Date)

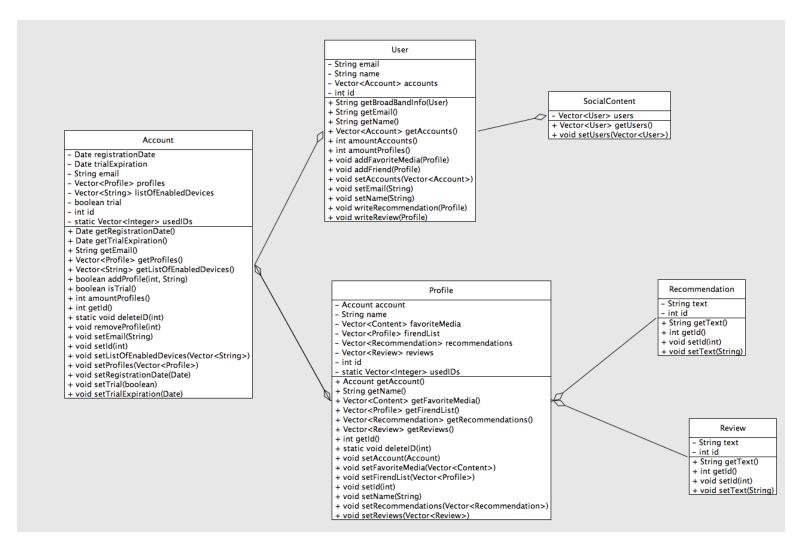
#### SubscriptionManagement

- Vector<Account> accounts
- + Vector<Account> getAccounts()
- + void addAccount(Account)
- + void deleteAccount(int)
- + void notifyNotTrialAccountsAboutMonthlyFee()
- + void setAccounts(Vector<Account>)

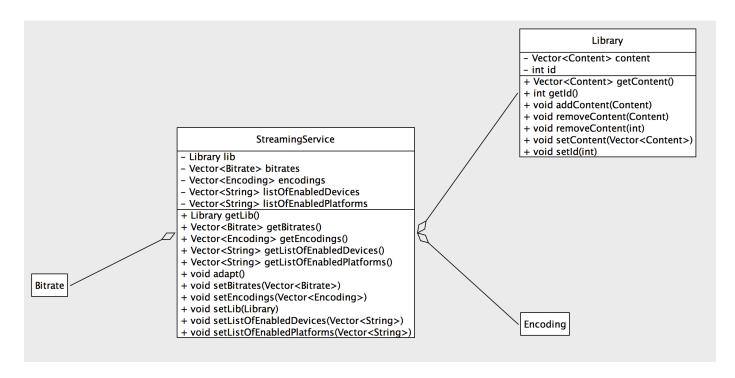
#### **Profile**

- Account account
- String name
- Vector<Content> favoriteMedia
- Vector<Profile> firendList
- Vector<Recommendation> recommendations
- Vector<Review> reviews
- int id
- static Vector<Integer> usedIDs
- + Account getAccount()
- + String getName()
- + Vector<Content> getFavoriteMedia()
- + Vector<Profile> getFirendList()
- + Vector<Recommendation> getRecommendations()
- + Vector<Review> getReviews()
- + int getId()
- + static void deleteID(int)
- + void setAccount(Account)
- + void setFavoriteMedia(Vector<Content>)
- + void setFirendList(Vector<Profile>)
- + void setId(int)
- + void setName(String)
- + void setRecommendations(Vector<Recommendation>)
- + void setReviews(Vector<Review>)

## **Social Content (next page):**



**Streaming Service(next page)**:



NetFlix-like plattform overally (next page, please zoom in):

