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1 class Account: #! This is a superclass
2     def __init__(self, email, password, account_status, phone_number):
3         self.email = email
4         self.password = password
5         self.account_status = account_status
6         self.phone_number = phone_number
7
8 class PaymentMethod: #! This is a superclass
9     def __init__(self, payment_type, bill_no, bill_date, bill_status):
10         self.payment_type = payment_type
11         self.billno = bill_no
12         self.bill_date = bill_date
13         self.bill_status = bill_status
14
15 class WatchList:
16     def __init__(self, watchlist_id, watchlist_name, watchlist_date):
17         self.watchlist_id = watchlist_id
18         self.watchlist_name = watchlist_name
19         self.watchlist_date = watchlist_date
20 class Watched:
21     def __init__(self, watched_id, watched_name, watched_date):
22         self.watched_id = watched_id
23         self.watched_name = watched_name
24         self.watched_date = watched_date
25
26 class Category():
27     def __init__(self, category_id, category_name):
28         self.category_id = category_id
29         self.category_name = category_name
30
31 class Content(Category):
32     def __init__(self, content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, \
33                 content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer, category_id, category_name):
34         Category.__init__(category_id, category_name)
35         self.content_id = content_id
36         self.content_name = content_name
37         self.content_detail = content_detail
38         self.content_release_date = content_release_date
39         self.content_rating = content_rating
40         self.content_qualification = content_qualification
41         self.content_genre = content_genre
42         self.content_category = content_category
43         self.content_cast = content_cast
44         self.content_date_added = content_date_added
45         self.content_view_count = content_view_count
46         self.content_trailer = content_trailer
47 class Series(Content):
48     def __init__(self, num_chapters, num_season, content_id, content_name, content_detail, content_release_date, content_rating, \
49                 content_qualification, content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer):
50         Content.__init__(content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, \
51                         content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer)
52         self.num_chapters = num_chapters
53         self.num_season = num_season
54
55 class Flims(Content):
56     def __init__(self, flim_length, content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, \
57                 content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer):
58         Content.__init__(content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, content_genre, \
59                         content_category, content_cast, content_date_added, content_view_count, content_trailer)
60         self.flim_length = flim_length
61
62 class Category(Content):
63     def __init__(self, category_id, category_name, content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, \
64                 content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer):
65         Content.__init__(content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, content_genre, \
66                         content_category, content_cast, content_date_added, content_view_count, content_trailer)
67         self.category_id = category_id
68         self.category_name = category_name
69
70 class Season(Series):
71     def __init__(self, season_number, num_chapters, num_season, content_id, content_name, content_detail, content_release_date, content_rating, \
72                 content_qualification, content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer):
73         super().__init__(num_chapters, num_season, content_id, content_name, content_detail, content_release_date, content_rating, \
74                         content_qualification, content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer)
75         self.season_number = season_number
76
77 class Chapter(Series):
78     def __init__(self, chapter_number, chapter_title, chapter_duration, num_chapters, num_season, content_id, content_name, content_detail, \
79                 content_release_date, content_rating, content_qualification, content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer):
80         super().__init__(num_chapters, num_season, content_id, content_name, content_detail, content_release_date, content_rating, content_qualification, \
81                         content_genre, content_category, content_cast, content_date_added, content_view_count, content_trailer)
82         self.chapter_number = chapter_number
83         self.chapter_title = chapter_title
84         self.chapter_duration = chapter_duration
85 class Admin(Account): #! This is a subclass of Account
86     def __init__(self, email, password, account_status, phone_number):
87         Account.__init__(email, password, account_status, phone_number)
88
89 class Customer(Account, PaymentMethod, Watched, WatchList): #! This is a subclass of Account and PaymentMethod
90     def __init__(self, email, password, account_status, phone_number, plan_detail, payment_detail, payment_type, bill_no, \
91                 bill_date, bill_status, watchlist_id, watchlist_name, watchlist_date, watched_id, watched_name, watched_date):
92         Account.__init__(email, password, account_status, phone_number)
93         PaymentMethod.__init__(payment_type, bill_no, bill_date, bill_status)
94         WatchList.__init__(watchlist_id, watchlist_name, watchlist_date)
95         Watched.__init__(watched_id, watched_name, watched_date)
96         self.plan_detail = plan_detail
97         self.payment_detail = payment_detail
98
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