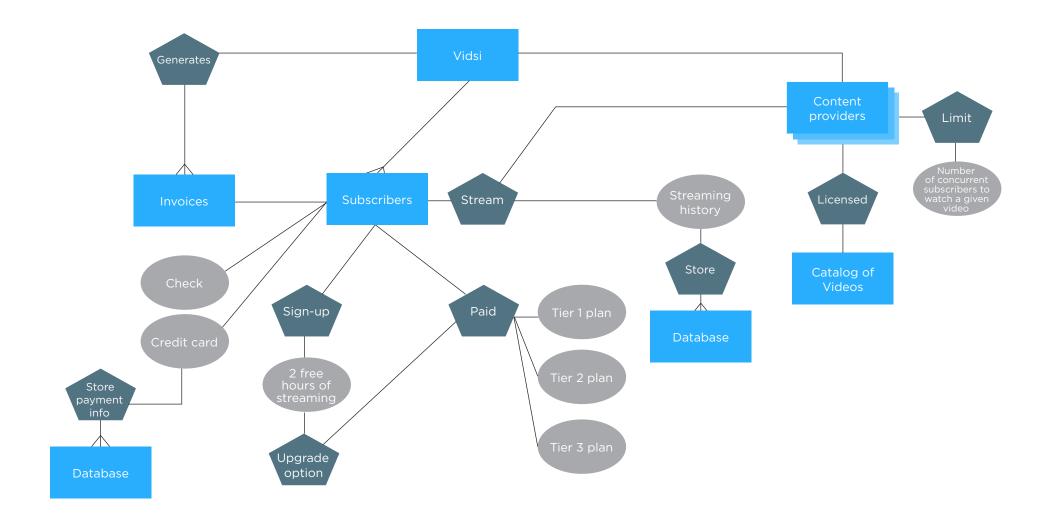


Daniel Testa Lifion Developer Candidate Case Study - Video Streaming Service Entity Relationship Diagram Entity Action Attribute



```
// Algorithm
     var subscribers = [{
 5
         name: 'Subscriber1',
 6
         invoiceStatus: 0
     }, {
         name: 'Subscriber2',
 8
         invoiceStatus: 1
10
     }, {
11
         name: 'Subscriber3',
12
         invoiceStatus: 0
13
     }, {
14
         name: 'Subscriber4',
         invoiceStatus: 0
15
16
    }, {
         name: 'Subscriber5',
17
18
         invoiceStatus: 1
    }1;
19
20
21
    var invoiceStatus;
22
    var UNPAID = 1;
23
    var PAID = 0;
24
25
26
     function invoiceCheck() {
27
28
29
     for (var i = 0; i < subscribers.length; i++) {</pre>
30
31
32
     if (subscribers.invoiceStatus === 1) {
33
         console.log("You have yet to play your invoice.");
34
         return cancellationNotice;
35
             };
36
37
         };
38
39
    };
40
     invoiceCheck();
41
42
```

```
-- SQL Query --
 2
     CREATE DATABASE lifion;
     USE lifion;
 6
 8
     CREATE TABLE pairings (
9
       id INTEGER(11) AUTO_INCREMENT NOT NULL,
10
       user VARCHAR(100),
11
       video VARCHAR(100),
       views INTEGER(11),
12
13
       PRIMARY KEY (id)
14
     );
15
16
     INSERT INTO pairings (user, video, views) values ('User A', 'Video A', 15);
17
18
     INSERT INTO pairings (user, video, views) values ('User A', 'Video B', 25);
     INSERT INTO pairings (user, video, views) values ('User A', 'Video C', 30);
19
20
     INSERT INTO pairings (user, video, views) values ('User A', 'Video D', 32);
21
     INSERT INTO pairings (user, video, views) values ('User A', 'Video E', 10);
22
23
     INSERT INTO pairings (user, video, views) values ('User B', 'Video A', 8);
     INSERT INTO pairings (user, video, views) values ('User B', 'Video B', 18);
24
25
     INSERT INTO pairings (user, video, views) values ('User B', 'Video C', 21);
     INSERT INTO pairings (user, video, views) values ('User B', 'Video D', 27);
26
27
     INSERT INTO pairings (user, video, views) values ('User B', 'Video E', 36);
28
     INSERT INTO pairings (user, video, views) values ('User C', 'Video A', 22);
29
     INSERT INTO pairings (user, video, views) values ('User C', 'Video B', 5);
30
31
     INSERT INTO pairings (user, video, views) values ('User C', 'Video C', 4);
     INSERT INTO pairings (user, video, views) values ('User C', 'Video D', 17);
32
33
     INSERT INTO pairings (user, video, views) values ('User C', 'Video E', 29);
34
     INSERT INTO pairings (user, video, views) values ('User D', 'Video A', 2);
35
36
     INSERT INTO pairings (user, video, views) values ('User D', 'Video B', 19);
37
     INSERT INTO pairings (user, video, views) values ('User D', 'Video C', 40);
38
     INSERT INTO pairings (user, video, views) values ('User D', 'Video D', 38);
39
     INSERT INTO pairings (user, video, views) values ('User D', 'Video E', 6);
40
41
     SELECT * FROM pairings ORDER BY views DESC;
42
```