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1  class Media {
2      constructor(title) {
3          this._title = title;
4          this._isCheckedOut = false;
5          this._rating = [];
6      }
7      get title() {
8          return this._title;
9      }
10     get isCheckedOut() {
11         return this._isCheckedOut;
12     }
13     get rating() {
14         return this._rating;
15     }
16     set isCheckedOut(newValue) {
17         this._isCheckedOut = newValue;
18     }
19     toggleCheckOutStatus() {
20         this.isCheckedOut = !this.isCheckedOut;
21     }
22     getAverageRating() {
23         let ratingSum = this.rating.reduce((accumulator, rating) => accumulator + rating);
24         return ratingSum / this.rating.length;
25     }
26     addRating(value) {
27         this.rating.push(value);
28     }
29 }
30 class Book extends Media {
31     constructor(author, title, pages) {
32         super(title);
33         this._author = author;
34         this._pages = pages;
35     }
36     get author() {
37         return this._author;
38     }
39     get pages() {
40         return this._pages;
41     }
42 }
43 class Movie extends Media {
44     constructor(director, title, runTime) {
45         super(title);
46         this._director = director;
47         this._runTime = runTime;
48     }
49     get director() {
50         return this._director;
51     }

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52     get runTime() {
53         return this._runTime;
54     }
55 }
56 const historyOfEverything = new Book('Bill Bryson', 'A Short History of Nearly Everything', 544);
57 console.log(historyOfEverything);
58 console.log(historyOfEverything.isCheckedOut);
59 historyOfEverything.toggleCheckOutStatus();
60 console.log(historyOfEverything.isCheckedOut);
61 console.log(historyOfEverything.rating);
62 historyOfEverything.addRating(4);
63 historyOfEverything.addRating(5);
64 historyOfEverything.addRating(5);
65 console.log(historyOfEverything.getAverageRating());
66 const speed = new Movie('Jan de Bont', 'Speed', 116);
67 console.log(speed);
68 console.log(speed.isCheckedOut);
69 speed.toggleCheckOutStatus();
70 console.log(speed.isCheckedOut);
71 console.log(speed.rating);
72 speed.addRating(1);
73 speed.addRating(1);
74 speed.addRating(5);
75 console.log(speed.getAverageRating());
```