

```
import java.util.*;
```

```
class Video {
```

```
    String name;
```

```
    boolean isCheckedOut;
```

```
    int rating;
```

```
    Video(String name) {
```

```
        this.name = name;
```

```
        this.isCheckedOut = false;
```

```
        this.rating = 0;
```

```
    }
```

```
}
```

```
class VideoStore {
```

```
    ArrayList<Video> videos = new ArrayList<>();
```

```
    // Helper method to find a video by name
```

```
    private Video findVideoByName(String name) {
```

```
        for (Video video : videos) {
```

```
            if (video.name.equalsIgnoreCase(name)) {
```

```
                return video;
```

```
            }
```

```
        }
```

```
        return null; // video not found
```

```
    }
```

```
    void addVideo(String name) {
```

```
        videos.add(new Video(name));
```

```
        System.out.println("Video added: " + name);
```

```
    }
```

```
void checkoutVideo(String name) {  
    Video video = findVideoByName(name);  
    if (video != null) {  
        if (!video.isCheckedOut) {  
            video.isCheckedOut = true;  
            System.out.println("Checked out: " + name);  
        } else {  
            System.out.println("Video already checked out: " + name);  
        }  
    } else {  
        System.out.println("Video not found: " + name);  
    }  
}
```

```
void returnVideo(String name) {  
    Video video = findVideoByName(name);  
    if (video != null) {  
        if (video.isCheckedOut) {  
            video.isCheckedOut = false;  
            System.out.println("Returned: " + name);  
        } else {  
            System.out.println("Video was not checked out: " + name);  
        }  
    } else {  
        System.out.println("Video not found: " + name);  
    }  
}
```

```
void rateVideo(String name, int rating) {  
    Video video = findVideoByName(name);
```

```
if (video != null) {  
    if (rating >= 1 && rating <= 5) {  
        video.rating = rating;  
        System.out.println("
```