# Solutions

## XDYouTube Remote Control

pauseClicked: **function** () {  
 **if** (**this**.isVideoPlaying()) {  
 **this**.setPausedState(!**this**.getPausedState());  
 }  
}  
  
updatePaused: **function** () {  
 **if** (**this**.isPlayer()) {  
 **if** (**this**.getPausedState()) {  
 **this**.pauseVideo();  
 }  
 **else** {  
 **this**.unpauseVideo();  
 }  
 }  
 **if** (**this**.isController()) {  
 **if** (**this**.getPausedState()) {  
 document.getElementById(**"pauseButton"**).**textContent** = **"PLAY"**;  
 }  
 **else** {  
 document.getElementById(**"pauseButton"**).**textContent** = **"PAUSE"**;  
 }  
 }  
}

## XDYouTube: Video Playing Bug

Bug in updateVideo: Function does not check if the queue is empty 🡪 dequeues an element from the empty queue and then accesses properties of the element 🡪 accesses properties of undefined

Solution:

updateVideo: **function** () {  
 **if** (**this**.**synced**.**videoQueue**.**length** > 0) {  
 **var** next = **this**.shift(**"synced.videoQueue"**);  
 **this**.set(**"synced.current.index"**, next.id);  
 **this**.set(**"synced.current.title"**, next.**title**);  
 **this**.set(**"synced.current.thumbnail.small"**, next.**thumbnail**.**small**);  
 **this**.set(**"synced.current.thumbnail.medium"**, next.**thumbnail**.**medium**);  
 **this**.set(**"synced.current.description"**, next.**description**);  
 }  
 **else** {  
 **this**.set(**"synced.current.index"**, **""**);  
 }  
}

## XDCinema: Displaying and Highlighting Prices

**function** *displayPrices*(city, movie) {  
 ***console***.**log**(**"displayPrices called"**);  
 *$*(**"#prices"**).html(**""**);  
 **var** cinemas = *getCinemas*(movie, city);  
 **for** (**var** i = 0; i < cinemas.length; ++i) {  
 **var** currentPrice = *getCinemaPrice*(cinemas[i], city);  
 *$*(**"#prices"**).append(  
 **"<div data-city='"** + city + **"' data-cinema='"** + cinemas[i] + **"' >"** + cinemas[i] + **": "** + currentPrice + **" CHF</div>"** );  
 }  
}  
  
**function** *highlightPrice*(cinema, city) {  
 ***console***.**log**(**"highlightPrice called"**);  
 *$*(**"div.highlighted"**).removeClass(**"highlighted"**);  
 *$*(**"div[data-city='"** + city + **"'][data-cinema='"** + cinema + **"']"**).addClass(**"highlighted"**);  
}

## XDCinema: Video Playing Bug

Bug in getCinemaLocation: j is used instead of i

Correct solution:

**function** *getCinemaLocation*(city, name) {  
 **var** i = 0, j = 0;  
 **for** (i; i < ***cinemaLocations***.length; ++i) {  
 **if** (***cinemaLocations***[i].**city** === city) {  
 **if** (***cinemaLocations***[i].**name** === name) {  
 **return** {**"lat"**: cinemaLocations[i].lat, **"long"**: cinemaLocations[i].long};  
 }  
 }  
 }  
}