

## Integrating with CinemaBooking's Webhook Registration System:

CinemaBooking provides three webhook event types:

1. **Movie announced:** Pushes to the registered callback urls whenever a movie is announced
2. **Movie released:** Pushes to the registered callback urls whenever a movie is released in theaters
3. **Reservation made:** Pushes to the registered callback urls whenever a reservation is placed for a movie screening in CinemaBooking's cinema.

### Registering for movie announcements:

To register a callback url for movie announcement you need to submit a POST request with a JSON payload in the request body to the webhook registration endpoint:

<https://webhooks.cinema-booking/movie/announcement/register>

**Content-type:** application/json

The request body must follow this structure:

```
{
  "username": "your_username"
  "callback_url": "your_endpoint"
}
```

Example:

```
{
  "username": "user42"
  "callback_url": "https://my-endpoint/callback/announcement"
}
```

Whenever an announcement is made the server will push a POST request with the following JSON payload in the request body:

```
{
  "event": "movie_announcement",
  "message": "New movie announcement! [Movie title] is in production and will be directed by [Director name]!",
  "timestamp": timestamp
}
```

```
}
```

The endpoint that handles your provided callback url must support the following:

1. POST Request
2. Content-Type: application/json
3. Must support the structure for the push payload described above.

To unregister a callback url for the announcement events simply make a POST request to:

<https://webhooks.cinema-booking/movie/announcement/unregister>

**Content-type:** application/json

The request body must follow this structure and the values must match the ones submitted when registering the callback\_url:

```
{
  "username": "your_username"
  "callback_url": "your_endpoint"
}
```

Example:

```
{
  "username": "user42"
  "callback_url": "https://my-endpoint/callback/announcement"
}
```

### **Registering for movie releases:**

To register a callback url for movie release events you need to submit a POST request with a JSON payload in the request body to the webhook registration endpoint:

<https://webhooks.cinema-booking/movie/release/register>

**Content-type:** application/json

The request body must follow this structure:

```
{
  "username": "your_username"
```

```
    "callback_url": "your_endpoint"
}
```

Example:

```
{
  "username": "user42"
  "callback_url": "https://my-endpoint/callback/release"
}
```

Whenever an announcement is made the server will push a POST request with the following JSON payload in the request body:

```
{
  "event": "movie_released",
  "message": "[Movie title] is now in theaters!",
  "timestamp": timestamp
}
```

The endpoint that handles your provided callback url must support the following:

4. POST Request
5. Content-Type: application/json
6. Must support the structure for the push payload described above.

To unregister a callback url for the release events simply make a POST request to:

<https://webhooks.cinema-booking/movie/release/unregister>

**Content-type:** application/json

The request body must follow this structure and the values must match the ones submitted when registering the callback\_url:

```
{
  "username": "your_username"
  "callback_url": "your_endpoint"
}
```

Example:

```
{
  "username": "user42"
}
```

```
    "callback_url": "https://my-endpoint/callback/release"
}
```

### Registering for movie reservations:

To register a callback url for movie reservation events you need to submit a POST request with a JSON payload in the request body to the webhook registration endpoint:

<https://webhooks.cinema-booking/movie/reservation/register>

**Content-type:** application/json

The request body must follow this structure:

```
{
  "username": "your_username"
  "callback_url": "your_endpoint"
}
```

Example:

```
{
  "username": "user42"
  "callback_url": "https://my-endpoint/callback/reservation"
}
```

Whenever an announcement is made the server will push a POST request with the following JSON payload in the request body:

```
{
  "event": "movie_reservation",
  "message": "Movie reservation made for [Movie title] by [Username]!",
  "timestamp": timestamp
}
```

The endpoint that handles your provided callback url must support the following:

7. POST Request
8. Content-Type: application/json
9. Must support the structure for the push payload described above.

To unregister a callback url for the release events simply make a POST request to:  
<https://webhooks.cinema-booking/movie/reservation/unregister>

**Content-type:** application/json

The request body must follow this structure and the values must match the ones submitted when registering the callback\_url:

```
{  
  "username": "your_username"  
  "callback_url": "your_endpoint"  
}
```

Example:

```
{  
  "username": "user42"  
  "callback_url": "https://my-endpoint/callback/reservation"  
}
```