

# The Music of Async with Observables and Rx- Helper

CONSTRUCTION

Dean Radcliffe

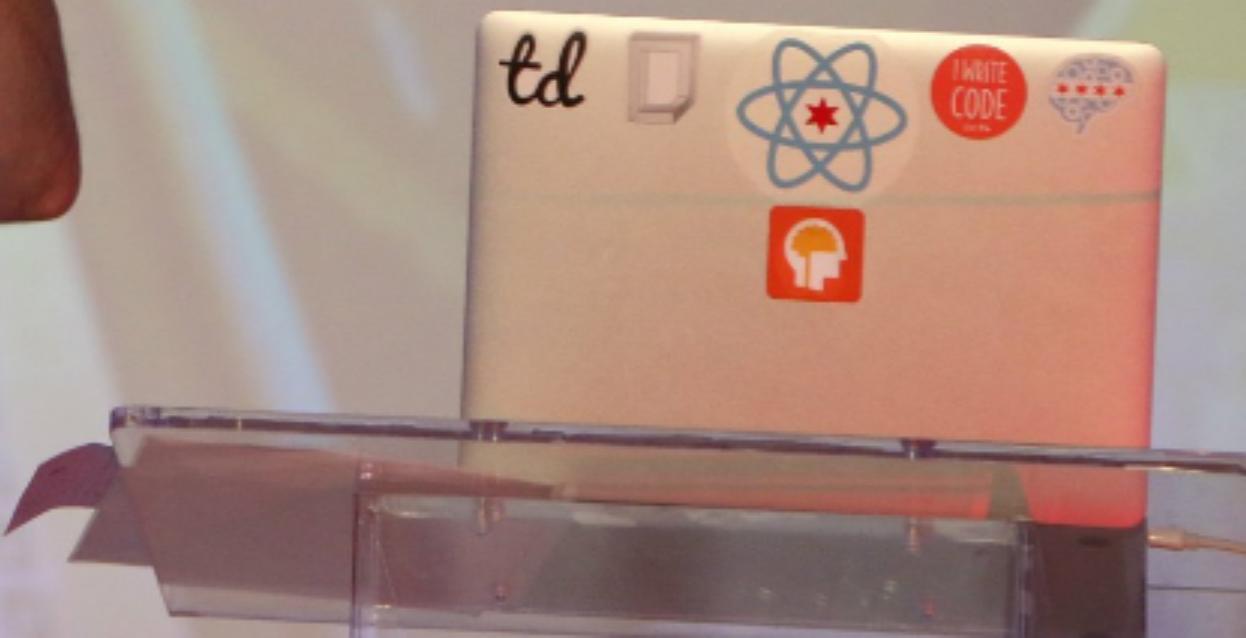
t:@deaniusol



**UNDER  
CONSTRUCTION**



© Pınar Özger



•ooooo Verizon 3G 9:04 PM 88%



Michael

W

W indeed !

Today 8:52 PM

Thinking of Ryan and  
his pitching - go Cubs!

(5/5) mber baseball... 😊

Let's go....

(1/5) Well...

Good evening...

And...

Welcome to game 6 of  
the World



Text Me...



Cooool what do you  
think



**Not Delivered**

Why is message not  
working omg



**Not Delivered**



iMessage



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06/22/2018**Sat**  
06/23/2018**0 hours****0 hours****0 hours****0 hours****0 hours****0 hours****0 hours**[Add Time](#)[Add Time](#)[Add Time](#)[Add Time](#)[Add Time](#)[Add Time](#)[Add Time](#)



```
{"concurrency": "parallel", "outerInterval": "1120", "innerInterval": "200"}  
Press a number to download a fruit (higher numbers take longer). 'x' to eXit.  
1:🍎 2:🍌 3:🍉 4:🍍 5:🍏 6:🍓 7:🥝 8:🍒 9:🥑
```

]

```
{"concurrency": "cutoff", "outerInterval": "1120", "innerInterval": "200"}  
Press a number to download a fruit (higher numbers take longer). 'x' to eXit.  
1:🍎 2:🍌 3:🍉 4:🍍 5:🍏 6:🍓 7:🥝 8:🍒 9:🥑
```

]

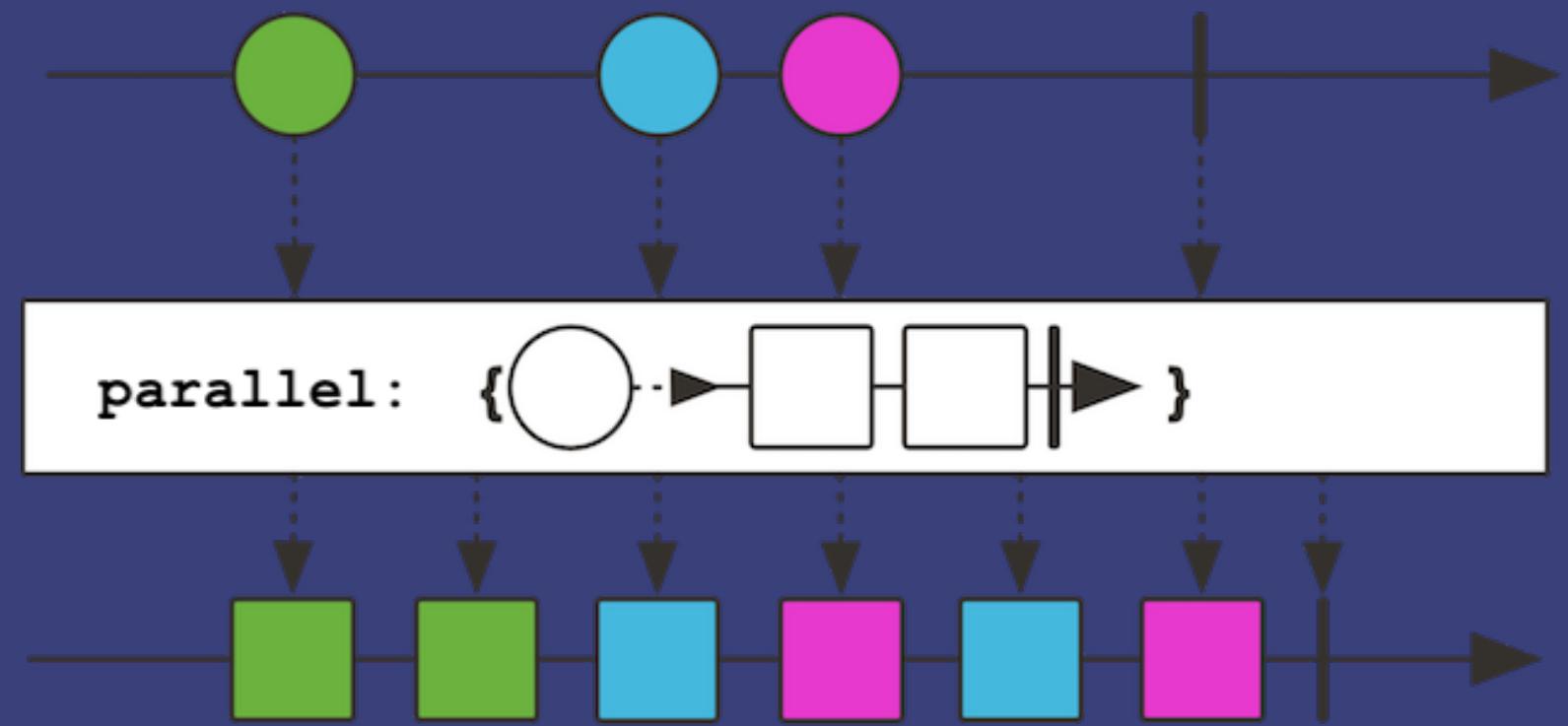
```
{"concurrency": "serial", "outerInterval": "1120", "innerInterval": "200"}  
Press a number to download a fruit (higher numbers take longer). 'x' to eXit.  
1:🍎 2:🍌 3:🍉 4:🍍 5:🍏 6:🍓 7:🥝 8:🍒 9:🥑
```

]

```
{"concurrency": "mute", "outerInterval": "1120", "innerInterval": "200"}  
Press a number to download a fruit (higher numbers take longer). 'x' to eXit.  
1:🍎 2:🍌 3:🍉 4:🍍 5:🍏 6:🍓 7:🥝 8:🍒 9:🥑
```

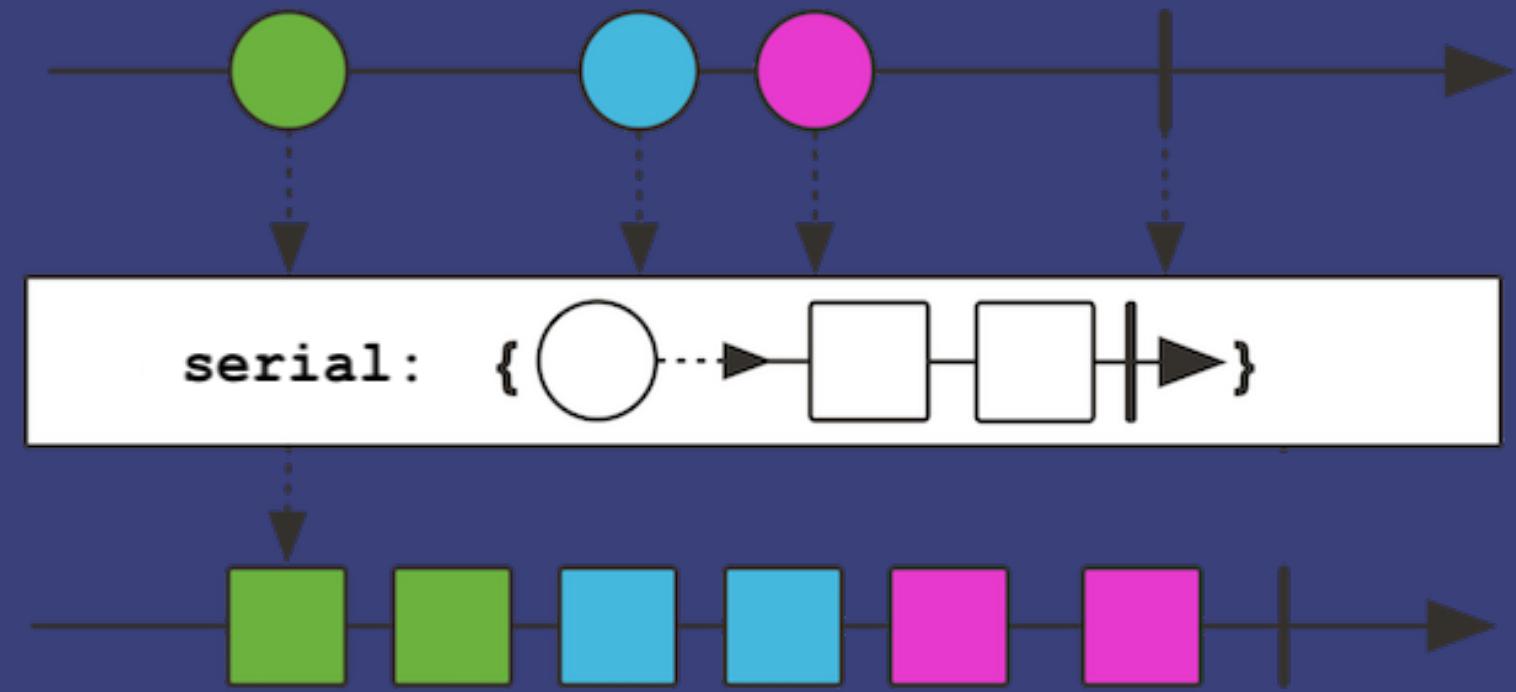
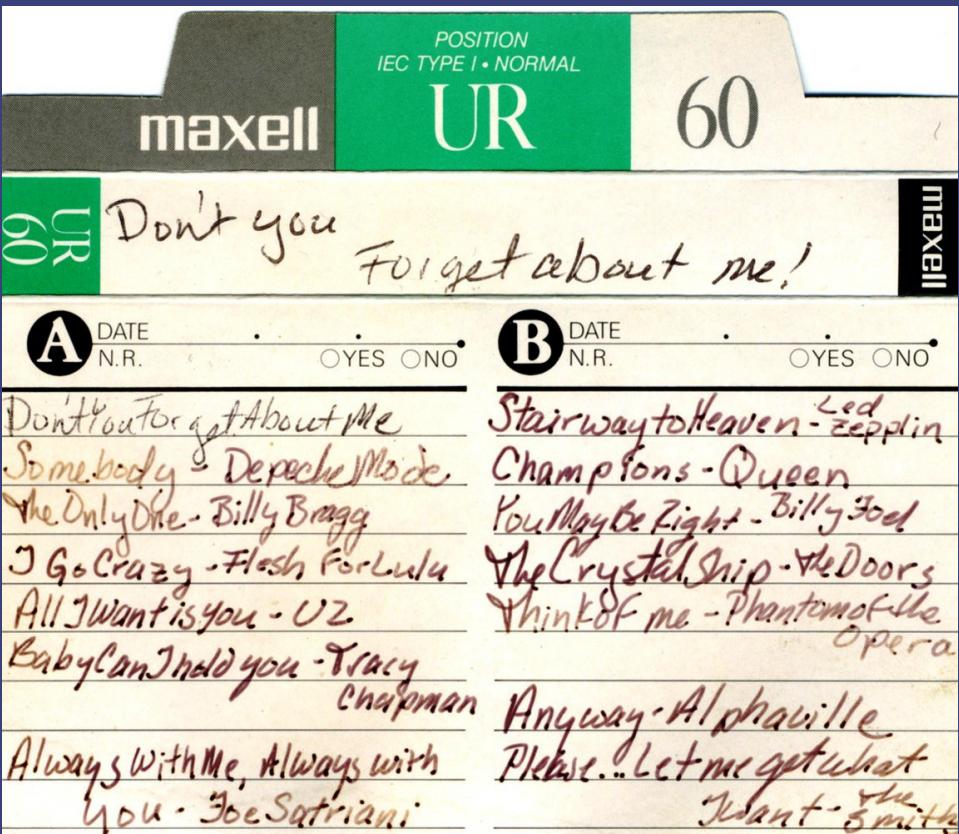
]

# Parallel: "*Polyphony*" (mergeMap)



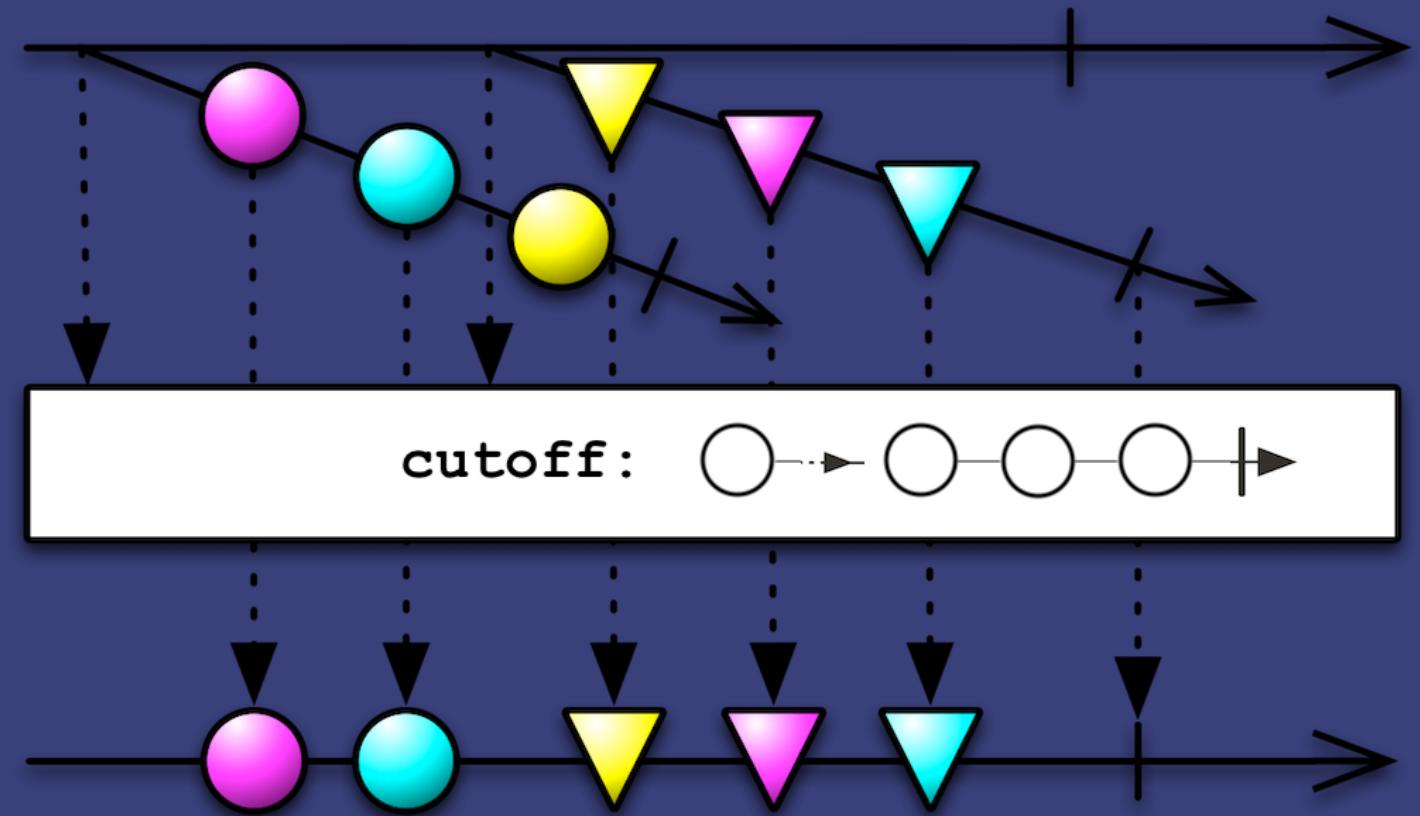
→ Independent events

# Serial: "SetList" (concatMap)



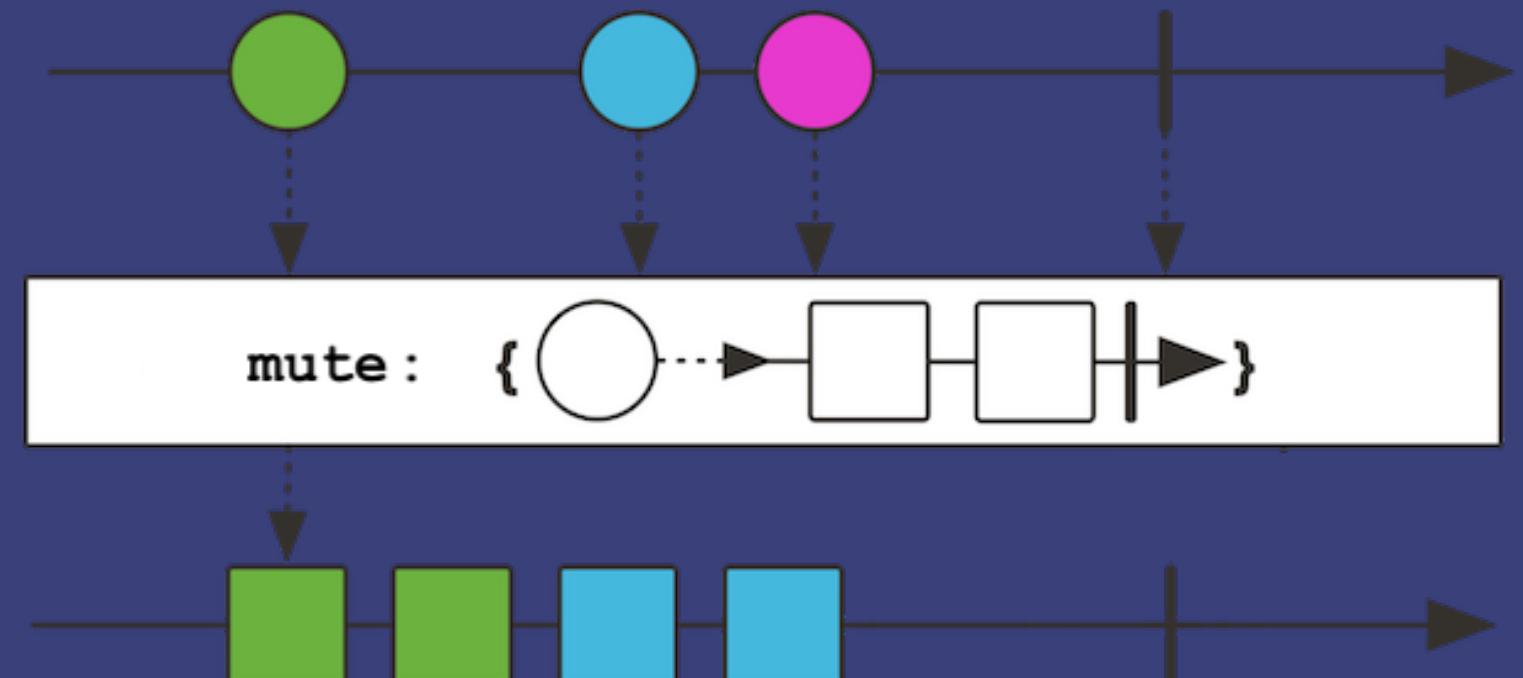
- Queue up
- Limited resources.
- Sierra Alexa song-hopping

# Cutoff: "Clarinet" (switchMap)



- NOT enqueueing songs (1 song replaces/cuts-off the last)
  - Changing chatrooms
  - "There can be only one!"

# Mute: "Not Now I'm Busy" (exhaustMap)



- Toggle a switch.
- Declan double-stomping the sweeper toggle.



**Hotel  
California**

Inbox Jukebox

# Resources

<https://github.com/deanius/hotel-california>

- Live at <http://antares-hotel.herokuapp.com>
  - React/Redux, RxJS
    - RxJS
  - REST, WebSockets/realtime
  - Create React App + NodeJS
    - Storybook

# Resources

<https://deanius.github.io/antares>

- Link to Antares Github Repo, Issues, Etc.
  - RxJS (Subject), TypeScript
  - Canvas
- Promises, ajaxStreamingGet
- Antares API Docs (TypeDoc)
- Good Reading

# The End

## Thank You!

Star It!   [github.com/deanius/rx-helper](https://github.com/deanius/rx-helper)  

→ Dean @deaniusol