

# Offline Web Pages



Open Tabs

Done

41



Writing/Penmanship

2. What do you know about Tookhees the

W Johnny Cash -...



Johnny Cash

Article Talk



This article is about the singer. For other uses, see [Johnny Cash \(disambiguation\)](#). "John R. Cash" redirects here. For the album, see [John R. Cash \(album\)](#).

**John Ray Cash** (born **J. R. Cash**; February 26, 1932 – September 12, 2003) was an American singer-songwriter. Most of his music contains themes of sorrow, moral tribulation, and redemption, especially songs from the later stages of his career. [3][4] He

W John Carter Ca...



John Carter Cash

Article Talk



**John Carter Cash** (born March 3, 1970) is an American country singer-songwriter, musician and author. He is the only child of [Johnny Cash](#) and his second wife [June Carter Cash](#). He is the grandson of [Mother Maybelle Carter](#).<sup>[1]</sup>

John Carter Cash

W Dave Cash (bas...



Dave Cash (baseball)

Article Talk



**David Cash Jr.** (born June 11, 1948) is an American former professional [baseball](#) player and coach. He played in [Major League Baseball](#) as a [second baseman](#) from 1969 to 1980, most prominently as a member of the [Pittsburgh Pirates](#) where, he was a member of the 1971 [World Series](#) winning team and, with the [Philadelphia Phillies](#) where he became a three-time [All-Star](#) player. He also

KYM Cash Me Oussi...



know your Meme

Q Search the world's largest inter

Trump Pope

Liking The Color...

Images

Memes

Editorial Content

See The Winner Of April 2025's  
Meme Of The Month!

Cash Me Ousside / Howbow  
Dah



Technologies

- Service Workers

## Service Workers

- Cookie with code

## Service Workers

- Cookie with code
- MITM attack yourself



Technologies

- Service Workers

# Technologies

- Service Workers
- Cache API



# Technologies

- Service Workers
- Cache API
- Fetch API

Live Coding

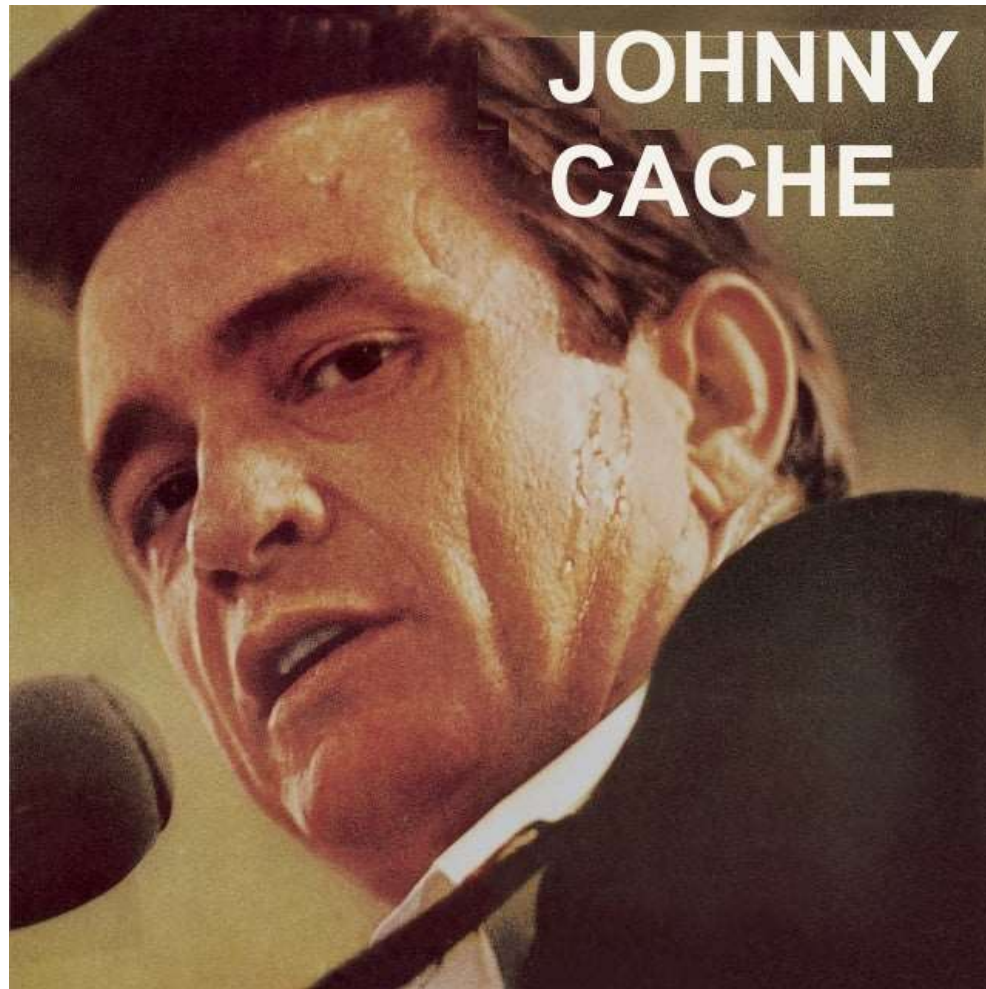


Your PC ran into a problem that it couldn't handle, and now it needs to restart. We're just collecting some error info, and then we'll restart for you.

If you'd like to know more, you can search online later for this error: `DEFYING_THE_PROGRAMMING_GODS`

Live Coding

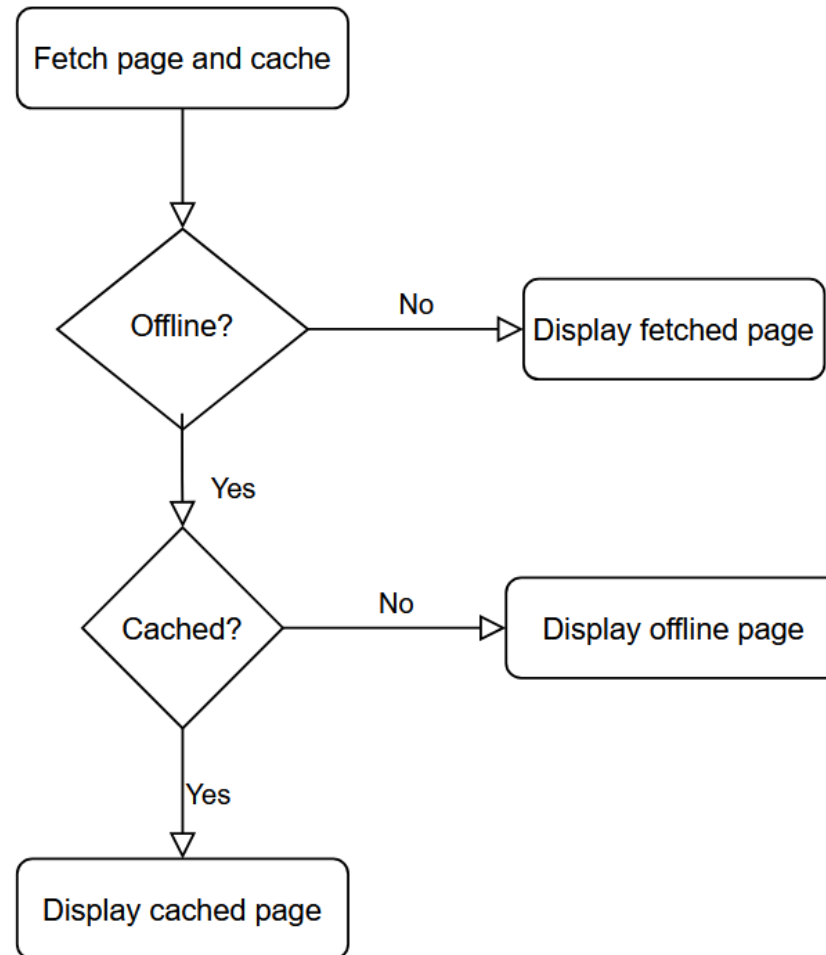
Demo



# Strategy: Precache

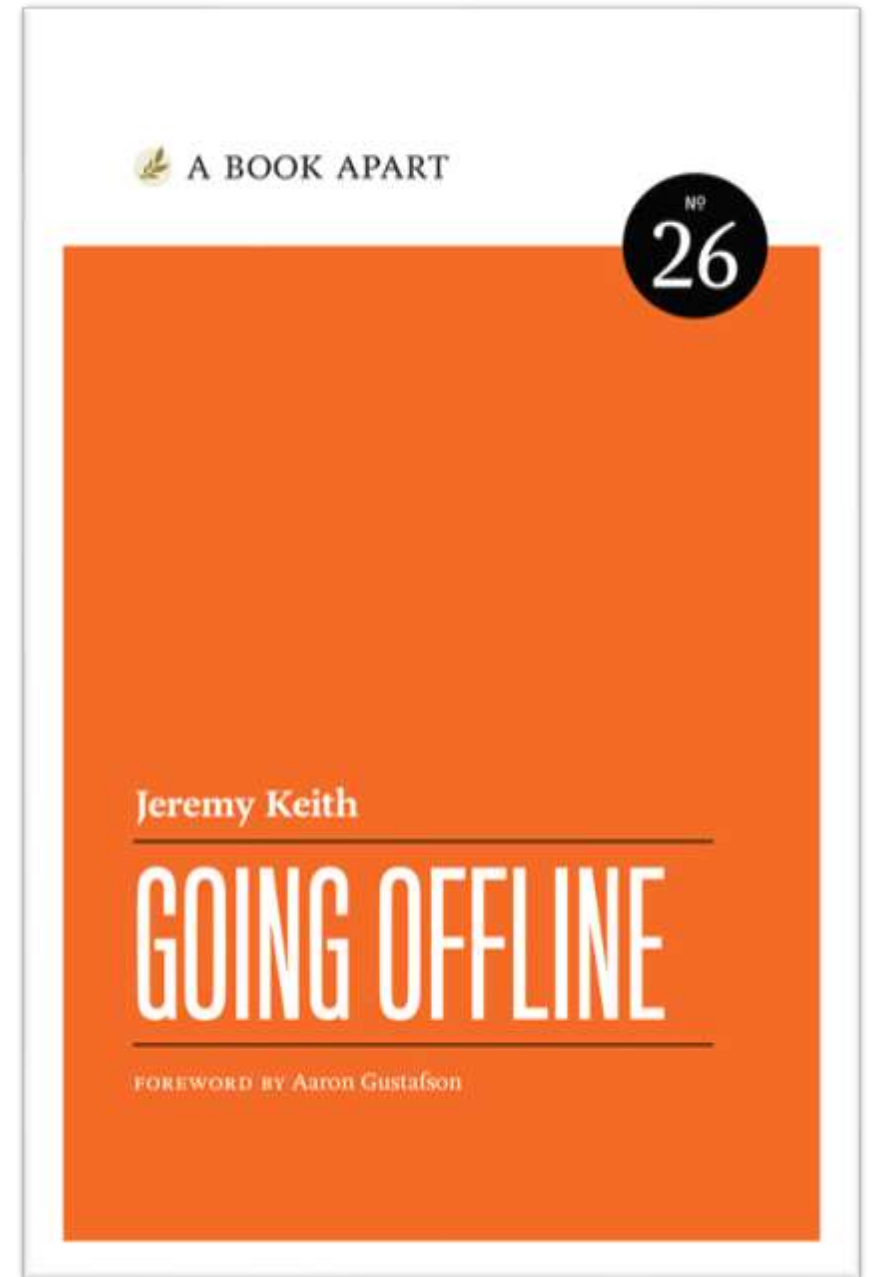
Cache when service  
worker initialized

# Strategy: Pages



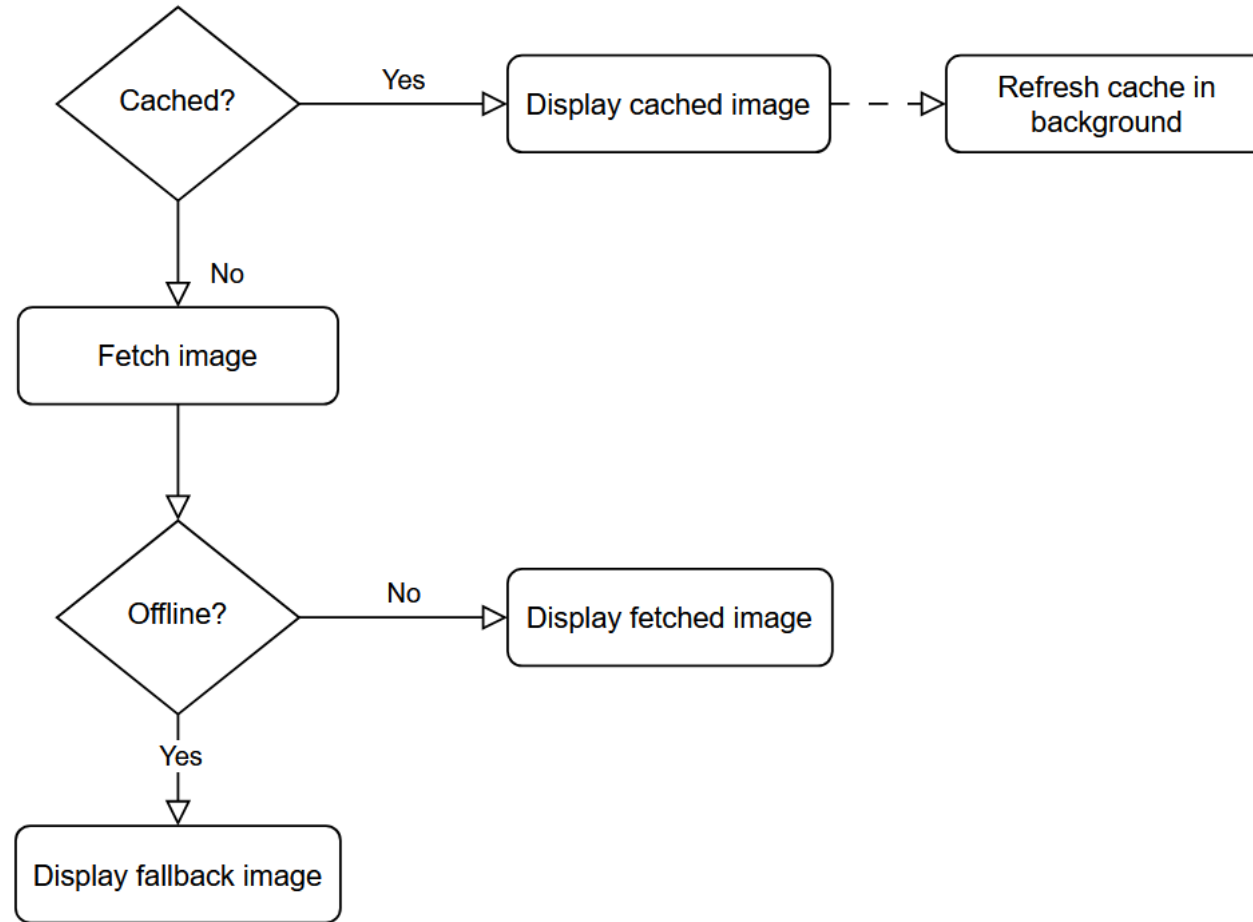
“You can give your cache  
any name you like. You  
could call it JohnnyCache.  
Please don’t.”

Jeremy Keith, *Going Offline*

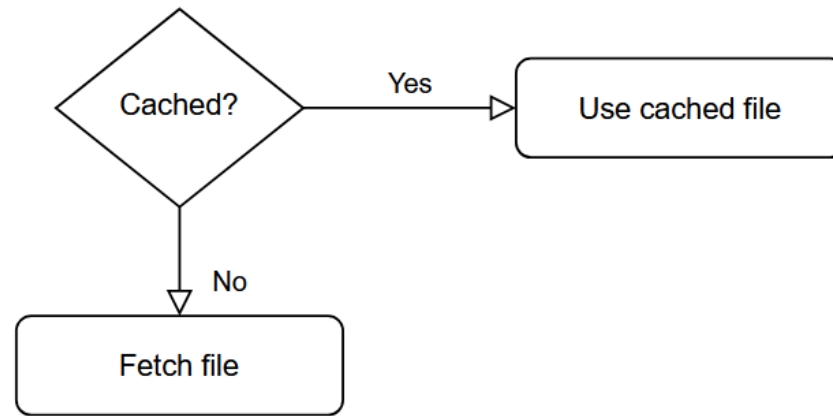




# Strategy: Images

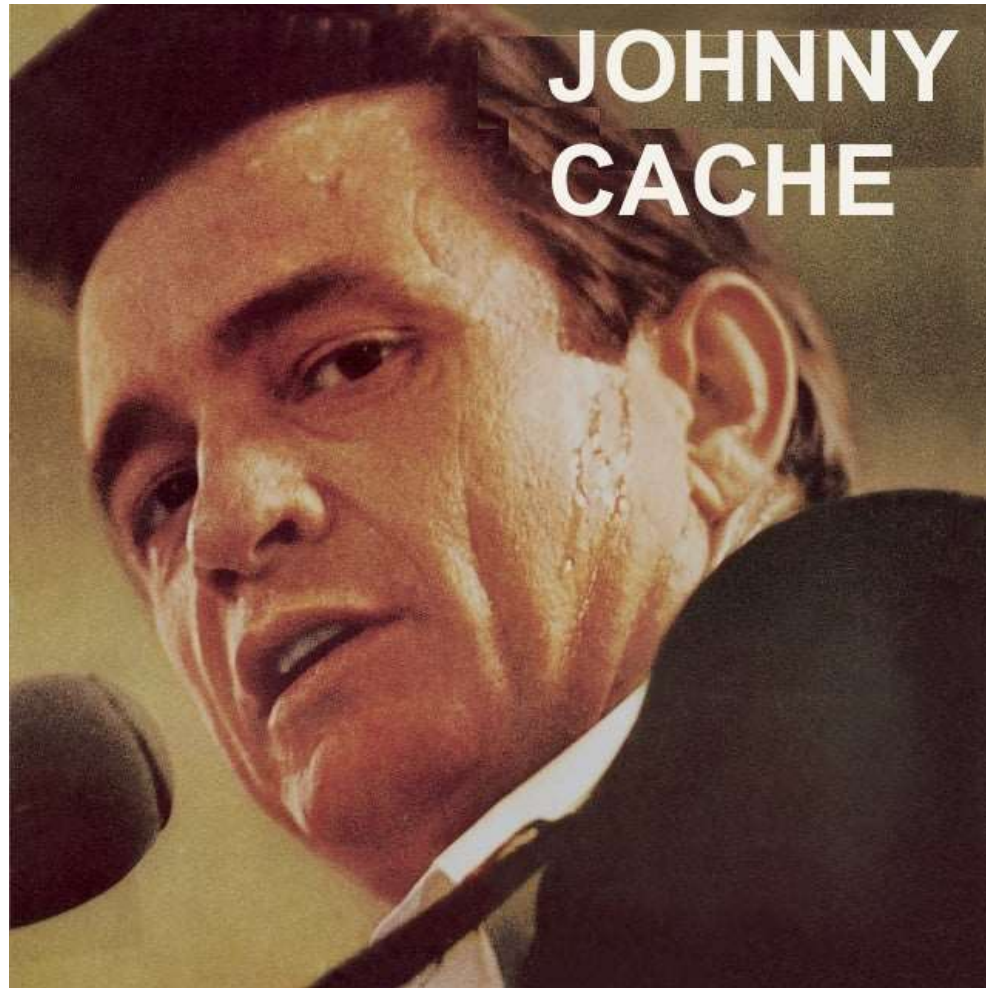


# Strategy: Default



# Demo

[cache.koser.us](http://cache.koser.us)



Questions?

Closing

# Progressive Web Apps



# Progressive Web Apps

- Service Worker

# Progressive Web Apps

- Service Worker
- Manifest file



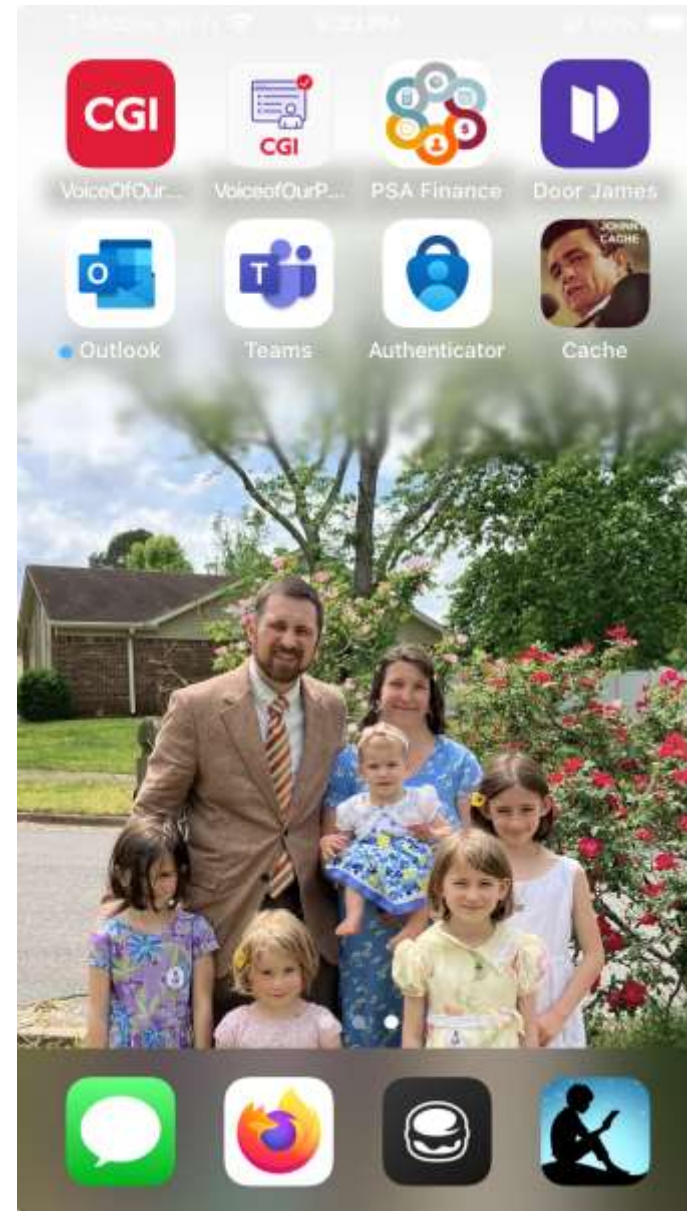
# Progressive Web Apps

- Service Worker
- Manifest file

```
{ } manifest.json > ...  
1  {  
2    "lang": "en",  
3    "name": "Johnny Cache Fan Site",  
4    "short_name": "Cache",  
5    "icons": [  
6      {  
7        "src": "/web-app-manifest-192x192.png",  
8        "sizes": "192x192",  
9        "type": "image/png",  
10       "purpose": "maskable"  
11      },  
12      {  
13        "src": "/web-app-manifest-512x512.png",  
14        "sizes": "512x512",  
15        "type": "image/png",  
16        "purpose": "maskable"  
17      }  
18    ],  
19    "theme_color": "#f5f5dc",  
20    "background_color": "#f5f5dc",  
21    "display": "standalone",  
22    "start_url": "/"  
23  }
```

Thank you for attending

# Closing



Closing



Thank you

- Jeremy Keith
- Keith Coleman
- You

