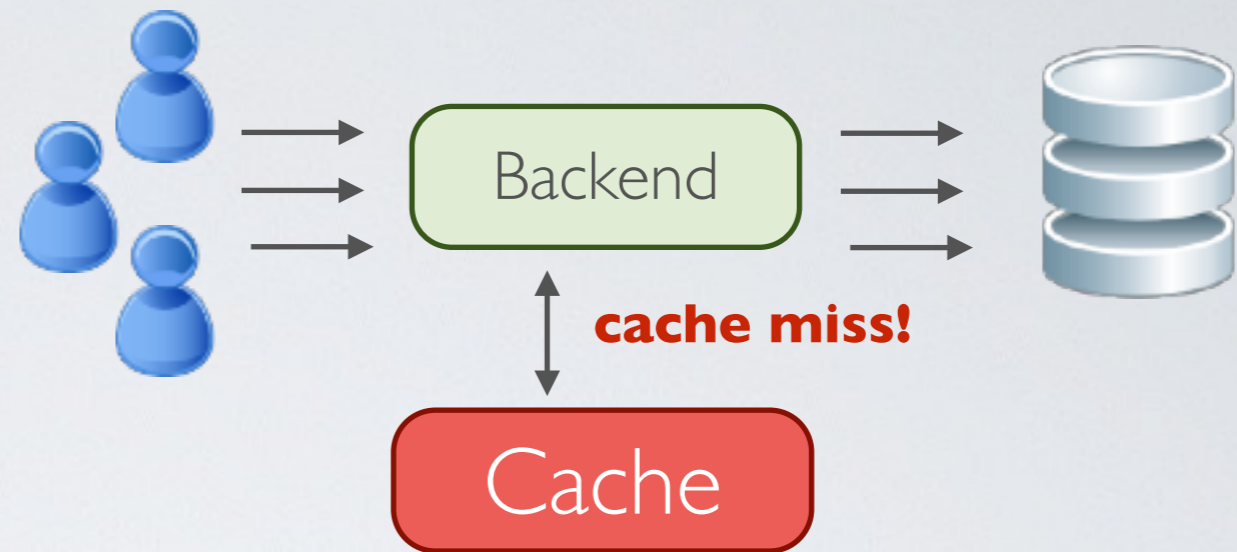# A typical cache algorithm

```
retrieve from cache
if data not in cache:
    # cache miss
    query the database or API
    update the cache
return result
```

Cache Stampede (a.k.a dog piling)

Problem:

Multiple concurrent requests doing the same request because cache was cleared

Solution:

- update the cache instead of clearing it after an insert
- a page view will never query the database
- ➡ Requires cache warming