

# Mobile design patterns for authenticated users



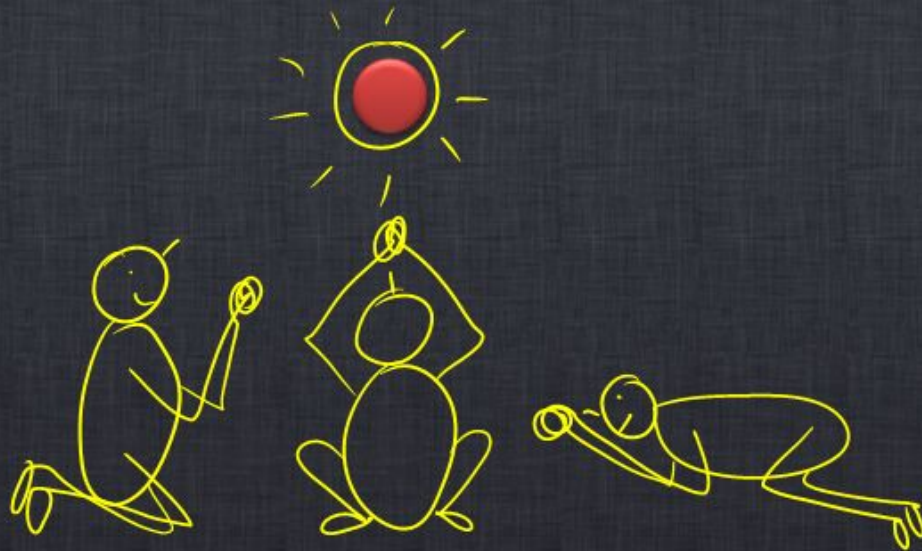
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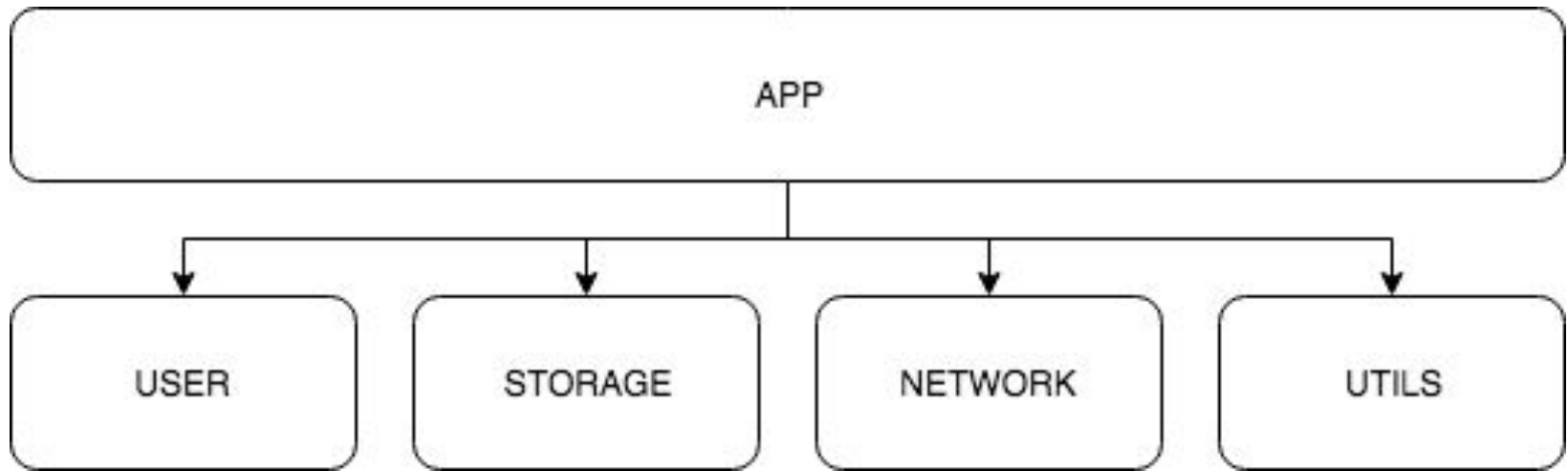
- Senior software engineer
- Infrastructure team
- All things network, data storage, sessions
- Cats and black metal

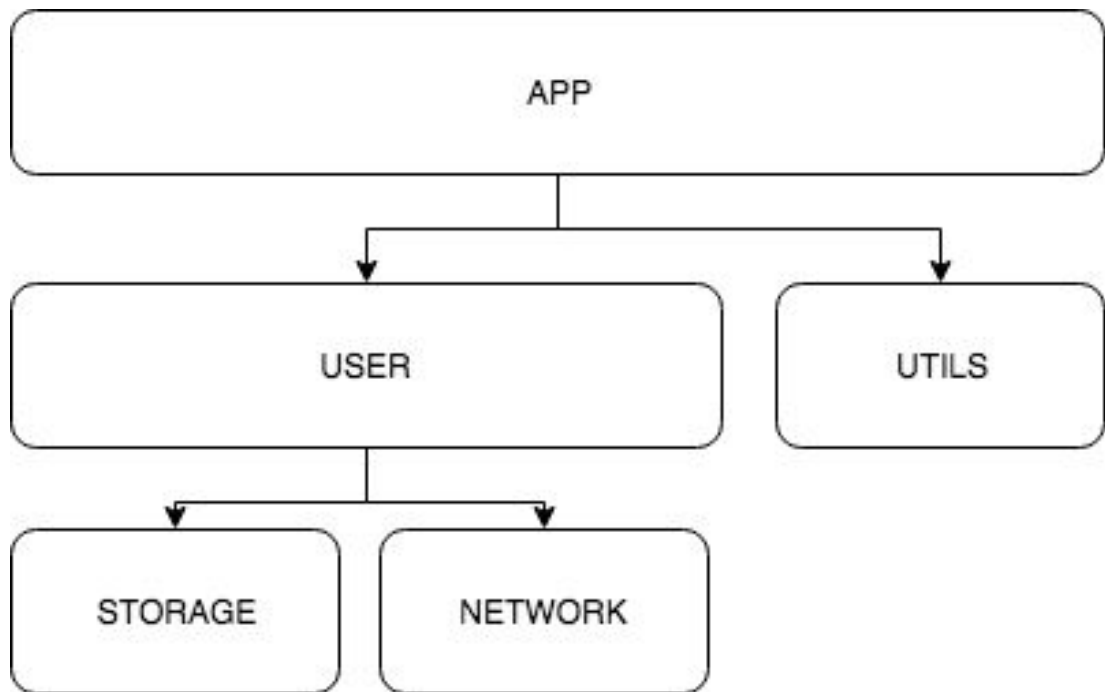
# How not to handle 'authenticated user'-apps

- All your stuff gets loaded after the user
- Don't ever assume he'll be logged in
- He doesn't need to know all the details
- Fail as gracefully as a russian ballerina

**Context:** one-and-only-one object, shared among others







# PROTIP: Background time

- Don't overstay your welcome (30s max)
- Don't try to trick the system
- **NO UI stuff**
- Always attempt fallbacks if possible

# OAuth2

- Login, refresh, repeat until 400
- `access_token`, `refresh_token`, `expires_in`
- All authenticated requests get signed with valid authorization - no exceptions



# HTTP status codes that matter

- 200: Great success
- 401: Expired token
- 409: Refreshing too fast
- 400: S#!t's f#(k3d, logout
- 500: ̄\\_(\ツ)\\_ /̄
- Default: try again

# OAuth2 + Background = Love, Hate, Love

- Issue refresh as soon as it's apparent
- Suspend everything else
- Save token and resume as fast as possible
- Failure to do so:
  - Negotiate with server
  - Have the request made on your behalf

# TL;DR

- Don't load useless stuff if user isn't logged in
- Be extra careful what you do in background
- Refresh often
- Logout is only a final measure

Q&A

