



INTRO TO BACKEND DEVELOPMENT

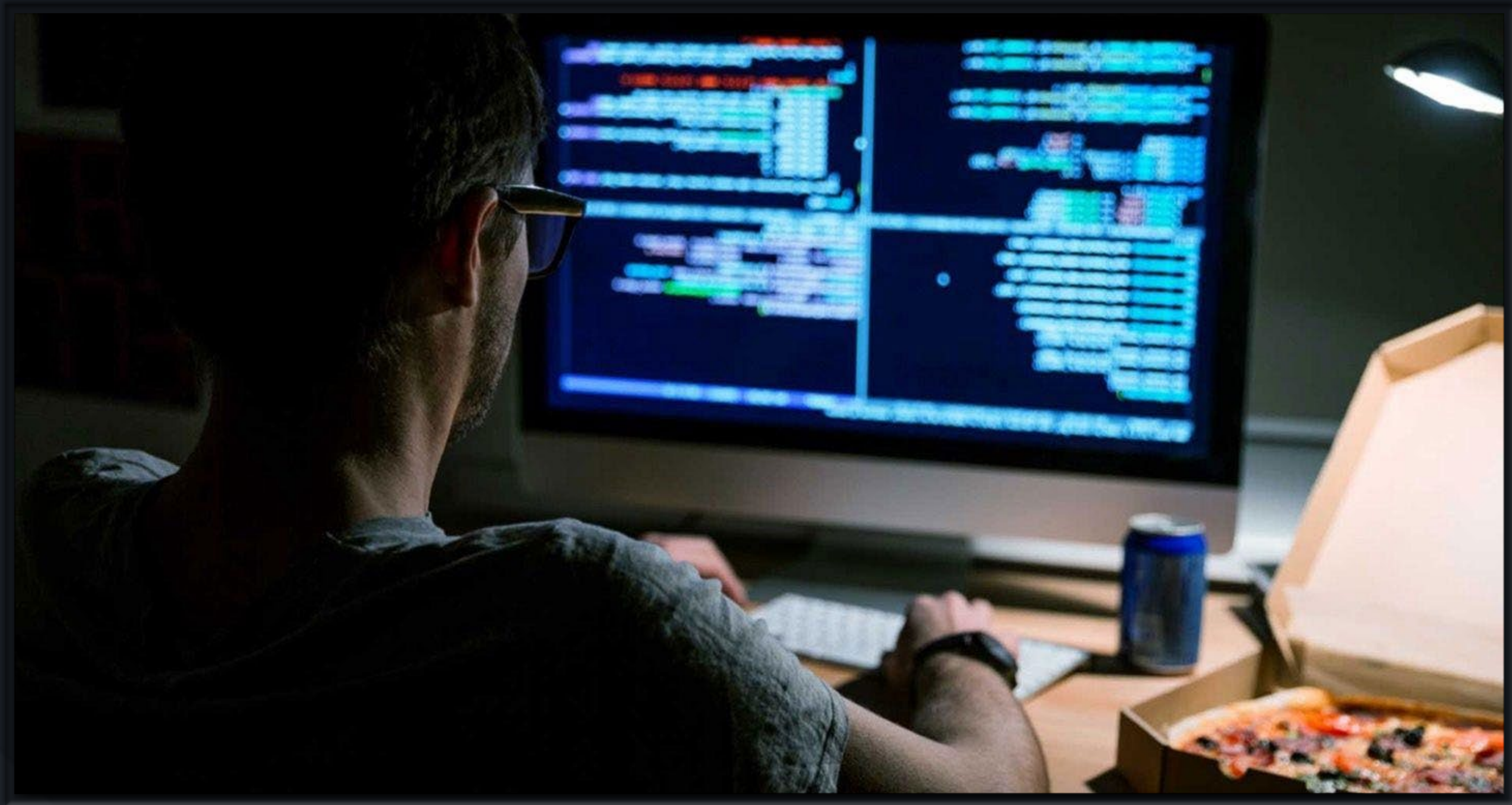
DAY 14

04/28/2021

Instructor - Casey Wilson

TA - Kevin Dublin

Take Home Challenge Review



Check In Time



Django Time - Round 5



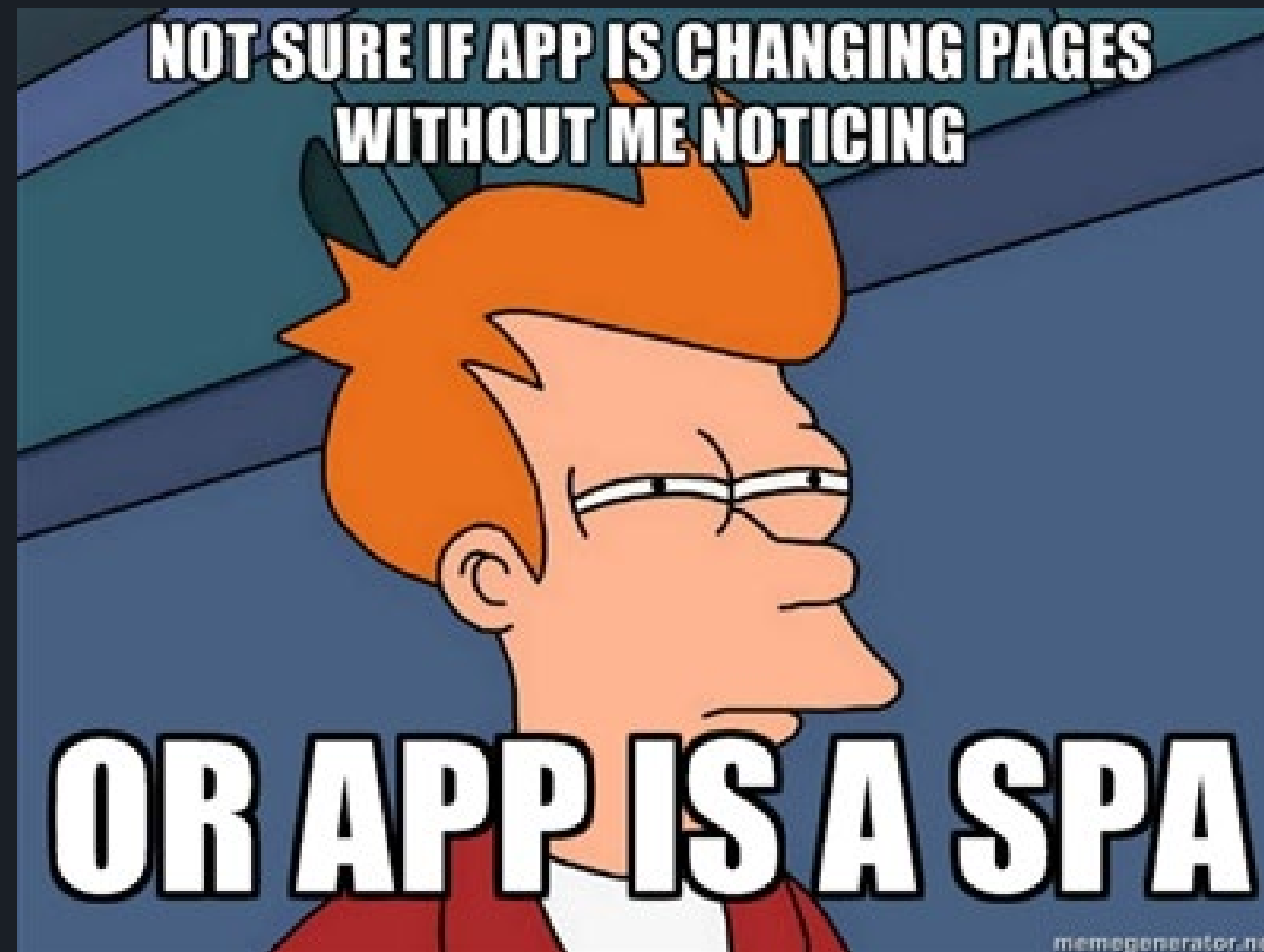
Django + Single Page Application



Django + SPA - Why?

Why do it?

- Animation = Perceived Speed
- Page available on load = Actual Speed
- Interactivity = “human” experience
- Caching = less calls to server



Why not to do it?

- SEO = Breaks traditional “meta” crawling
- Rehydration = Long initial page load
- Security = XSS attacks are more likely
- History = Harder to navigate without pages

Django + SPA - Decoupled or Coupled?

Coupled

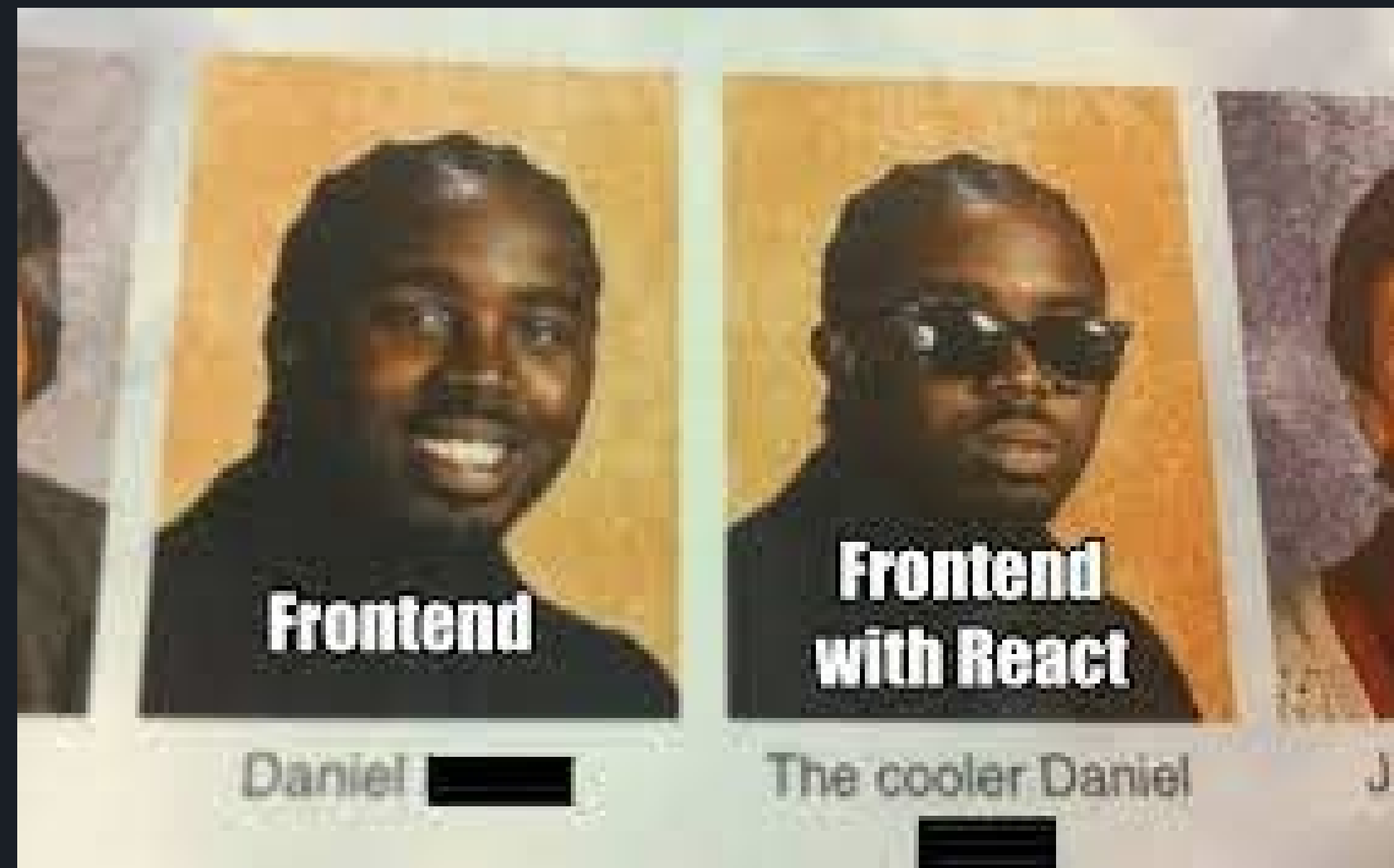
- Security = Built in authentication (session based)
- Easy = Gentle learning curve
- Combined = Can use Django templating engine + SPA templating



Decoupled

- Control = Hot reloading, web pack, CLI, etc
- Separation = Teams, updates, deployment, etc
- Full Access = Can use SPA elements to full extent (router, store, etc)

Django + SPA - Coupled Example



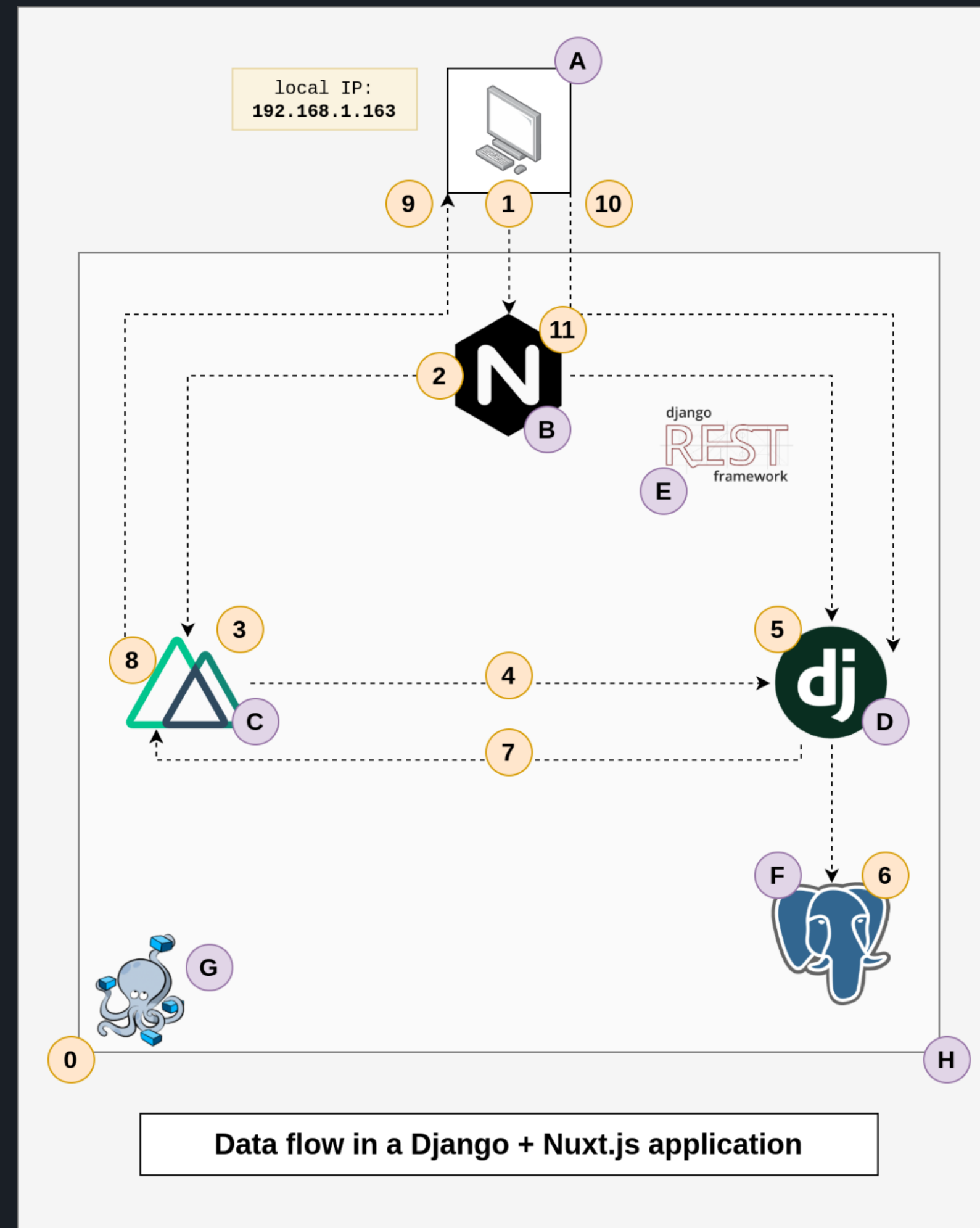
<https://github.com/justdjango/django-react-boilerplate>

Django + SPA - Decoupled Example



<https://github.com/saasitive/django-react-boilerplate>

Django SPA - Session Case Study



<https://gitlab.com/briancaffey/django-nuxt-starter>

Django AJAX - Sample Project



Questions?



Take Home Challenge

