

ANGULAR  
**ARCHITECTS**

# UAAO Framework

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**Turbo Button**





# UAAO Framework \*

- Understand
- Audit
- Analyze
- Optimize

\* by Jeff Cross' talk @ ngAtlanta [go.nrwl.io/uao](http://go.nrwl.io/uao)

# Understand

- Understanding the business
- Understanding the problem
- Understanding the cause
- Understanding users
- Understanding key content

# Audit

- Audit the status quo
- Choose the right tool
- Measure performance
  - Consistency (same machine, close apps, browser incognito mode)
  - Multiple samples (e.g. 3 or 5), take the median

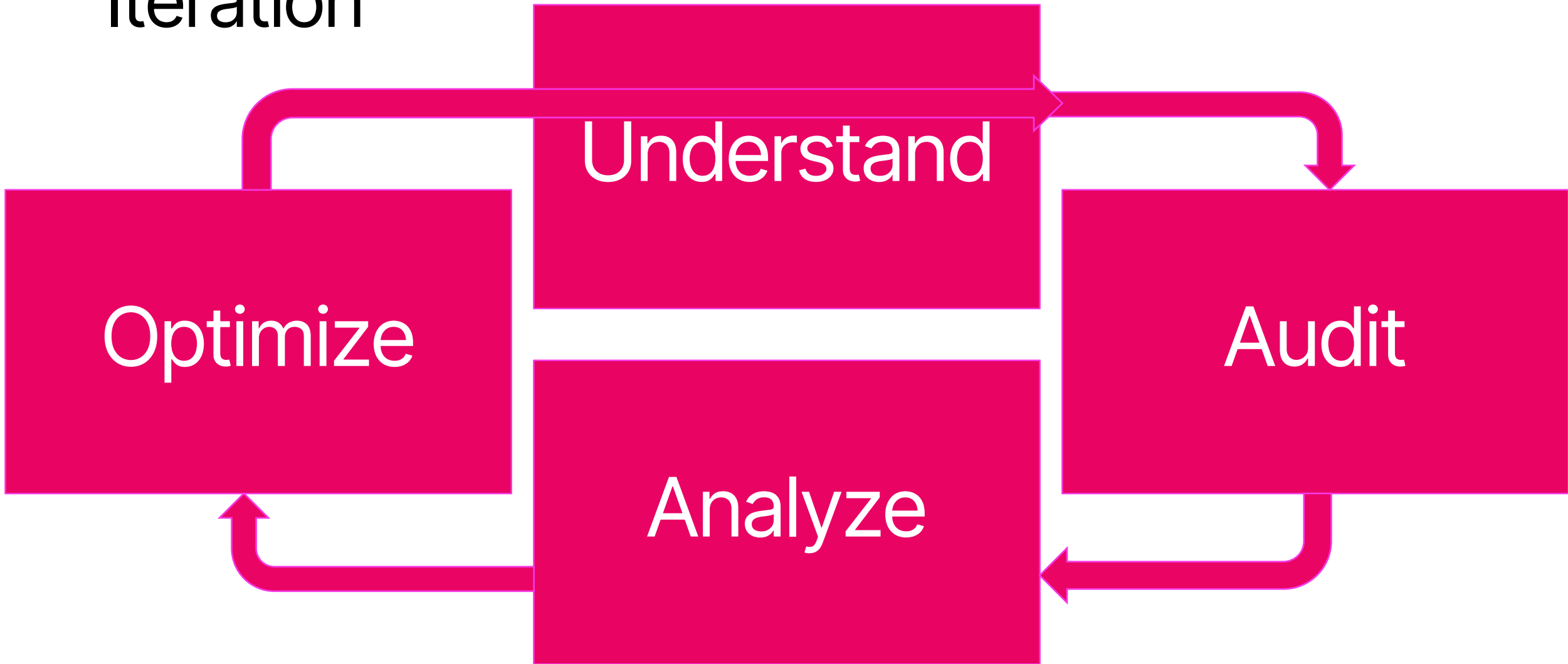
# Analyze

- Check the audit results
  - Lighthouse and other tools show recommendations
- Find main problem(s) / main cause(s) of slow performance
- Or start with Quick Win
- Focus on things that can be changed 😊

# Optimize

- Implement the improvements / fixes
  - Or delegate it
- Check the results (doing another audit)
- After optimization start over again

# Iteration





# UAAO Template

- [https://docs.google.com/document/d/1AQgAwHoHvasmT43HUISr3THifj-WHD\\_wwJQRhd0KG64/edit](https://docs.google.com/document/d/1AQgAwHoHvasmT43HUISr3THifj-WHD_wwJQRhd0KG64/edit)

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```
graph LR; Understand --> AuditTools[Audit Tools]; Audit --> AuditTools; Analyze --> InitialLoad[Initial Load]; Optimize --> InitialLoad; InitialLoad --> RuntimeP[Runtime P.];
```

Audit Tools

Initial Load

Runtime P.

# References

- UAAO introduced by Jeff Cross ([@jeffbcross](#)) from [NX](#)
  - [UAAO Example](#) ([ngAtlanta '19](#))
    - [Slides](#)
    - [Talk](#)
  - [Victor Videos UAAO](#) ([ng-conf '21](#))
    - [Workshop](#)



# Questions?