

REACT POC

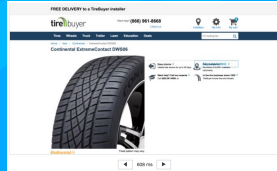
KEY RESULTS AND LESSONS

- Significant Performance Increases
- Smaller Code Bundle Sizes
- More Efficient Development Process
- Easier to Debug and Test

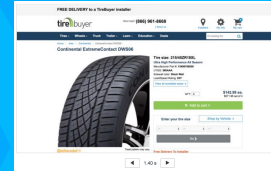
PERFORMANCE

CURRENT PRODUCTION CODE

Initial Load: 608 ms

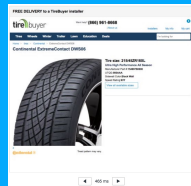


Page Ready: 1.4 s

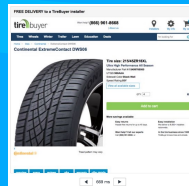


REACT PROOF OF CONCEPT CODE

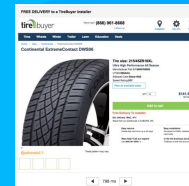
Initial Load: 485 ms



React Loaded: 753 ms



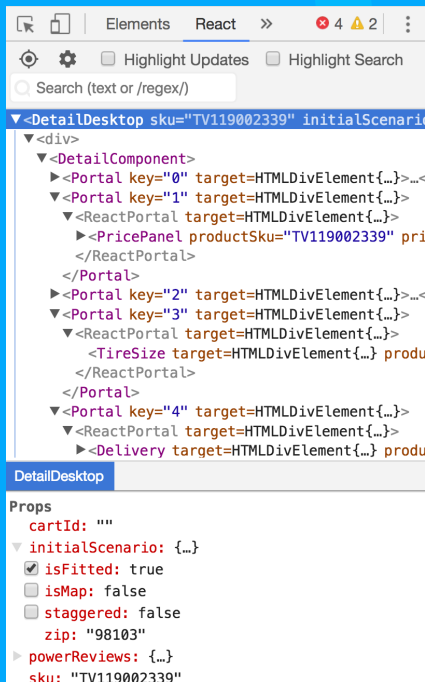
Page Ready: 798 ms



DEVELOPMENT

- **Smaller, reusable components**
faster development, fewer bugs
- **Faster build process**
more iteration, less waiting
- **It's all just JavaScript**
easier to train and learn
- **Large Dev Community**
easier to find answers

DEBUGGING/TESTING



- **Simpler codebase**
easier to understand and reason through
- **Sophisticated tools**
easier to understand code on page
- **Built to be tested**
Automated testing reduces defects before QA even sees them

COSTS

BENEFITS

DEVELOPMENT/TRAINING COSTS, EFFICIENCY/PERFORMANCE BENEFITS

*2 weeks to codify
norms/practices*

*2-3 weeks to train up team on
simple feature*

*2-3 weeks to convert existing
componentized feature*

*4 weeks to convert non-
componentized feature*

**Faster Pages = Higher
Conversion**

**New Features should take 3-4
weeks vs 5-6 weeks**

**Automated tests should
reduce bugs by 50%**

**Easier to maintain: costs
decrease over time**

NEXT STEPS



- **Compare notes with Huntersville Team**

Consult with ATD's Angular experts to determine the best framework solution

- **Move forward with new process**

Rebuild payment/confirmation page with new framework