



# “WarRoom” Capstone Proposal

PSU Capstone Winter/Spring 2018

# Sponsor Introduction - Mentors

Joseph Yeager – Software Engineer  
[Joseph.Yeager@cdk.com](mailto:Joseph.Yeager@cdk.com)

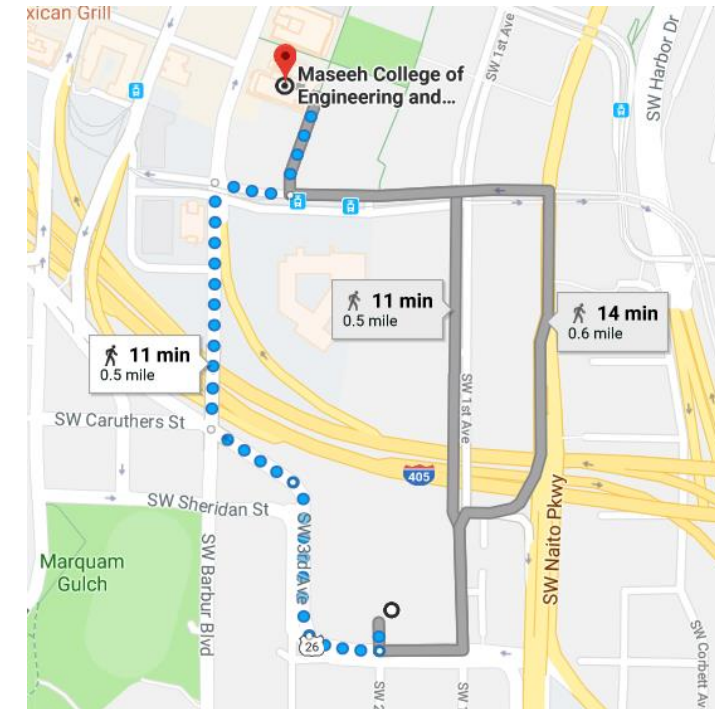
Ricky Valencia – Software Engineer  
[Ricky.Valencia@cdk.com](mailto:Ricky.Valencia@cdk.com)

Justin Shuck – Software Engineer  
[Justin.Shuck@cdk.com](mailto:Justin.Shuck@cdk.com)



# Sponsor Introduction - CDK Global

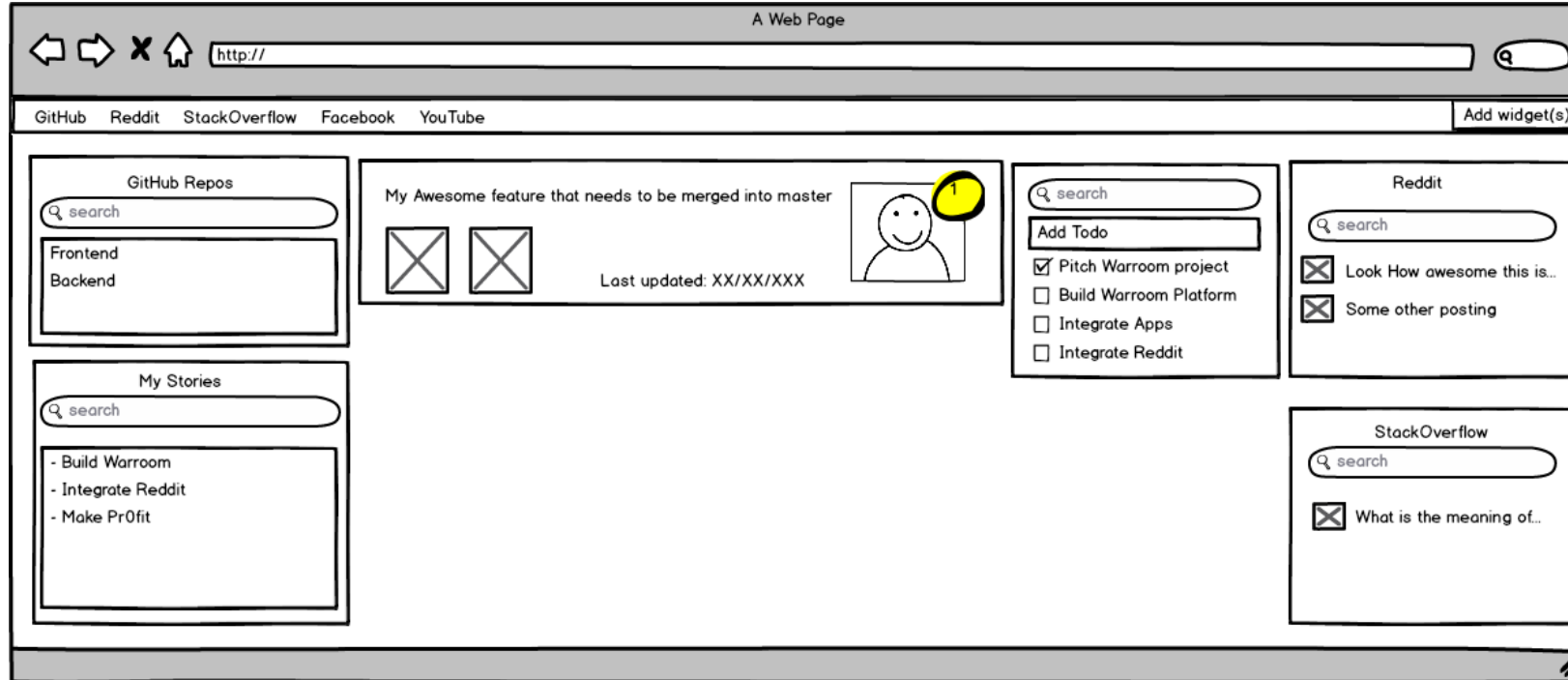
- Leader in providing full service software solutions for the automotive retail industry
- Integrated solutions for all aspects of business operations
  - Dealer Management
  - Finance and Insurance
  - Digital Marketing
  - Parts & Services
- Strong internship program (PCEP & Summer internships)
- Global company
  - Headquarters in Hoffman, IL
  - International offices
  - Portland office off of Arthur and First



# Sponsor Introduction – Why sponsor a project?

- PSU Alumni
  - All previous capstone members
  - PCEP
- Giving back to the community
- Teach full software development lifecycle
  - Best practices
  - Deployments
  - Testing
  - Architecting
- Believe in the project viability
  - Used internally

# Project Concept - Application



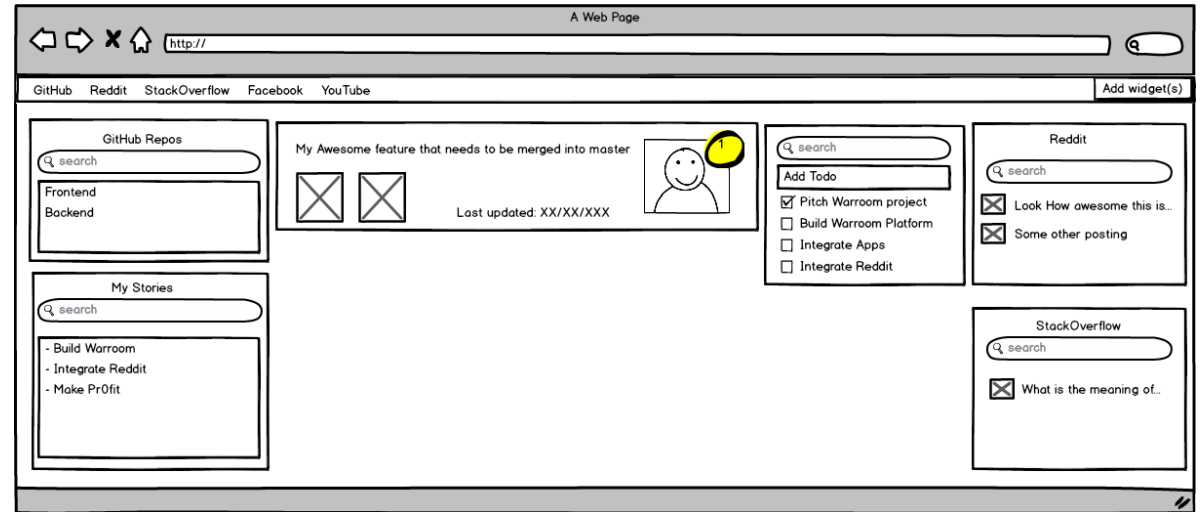
- Developer multi-tool that is meant to assist with daily activities
  - Quick links to important resources
  - Launches application widgets
    - Source control integration (GitHub, Bitbucket)
    - Reddit integration
  - Full browser window view

# Project Concept - Platform

- Core aspect to the project
- Install configurable widgets on a user dashboard
- User specific settings per widget
- Configurable widget sizes and positions

# Proposed MVP

- Chrome extension
- Platform
- Widgets (*open to discussion*)
  - *GitHub/BitBucket*
  - *Slack/Discord notification*
  - Todo task list
  - Reddit
- Authentication (secure credentials)
- Configurable toolbar with quick launch links
- Configurable widget sizes and positions



# Project specifications

- Open source licensed preferred
  - MIT/Apache preferred
- Libraries/Frameworks open for the development team to choose
  - JavaScript





# Questions?

Ricky Valencia – [Ricky.Valencia@cdk.com](mailto:Ricky.Valencia@cdk.com)

Joseph Yeager – [Joseph.Yeager@cdk.com](mailto:Joseph.Yeager@cdk.com)

Justin Shuck – [Justin.Shuck@cdk.com](mailto:Justin.Shuck@cdk.com)