

# EDSGN 100 Design Project II

## Design team (4)

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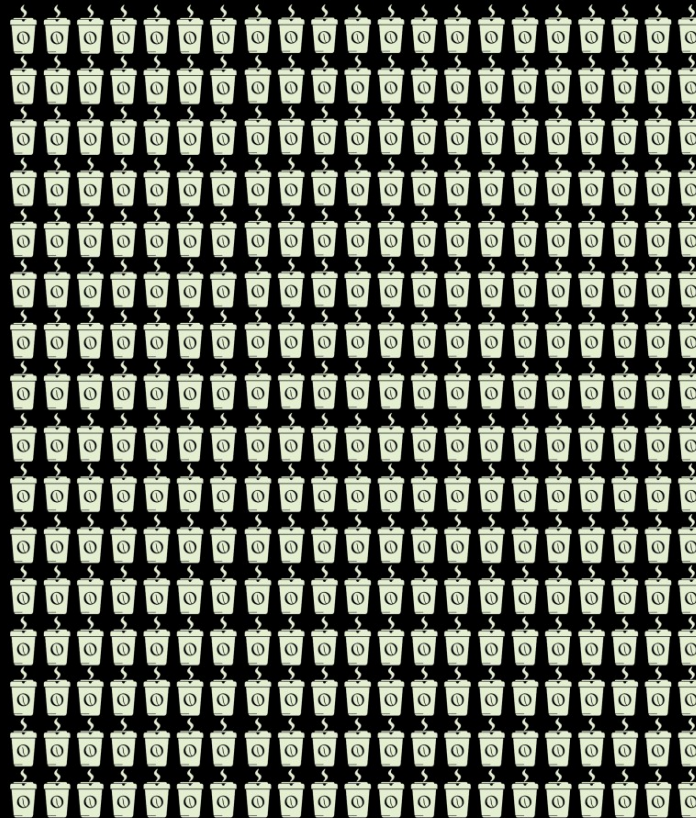
# What is Sustainability?

- The ability of a system to operate with a low input of resources and energy.



# Disposable Coffee Cup are a substantial contribution to Non-Recyclable waste

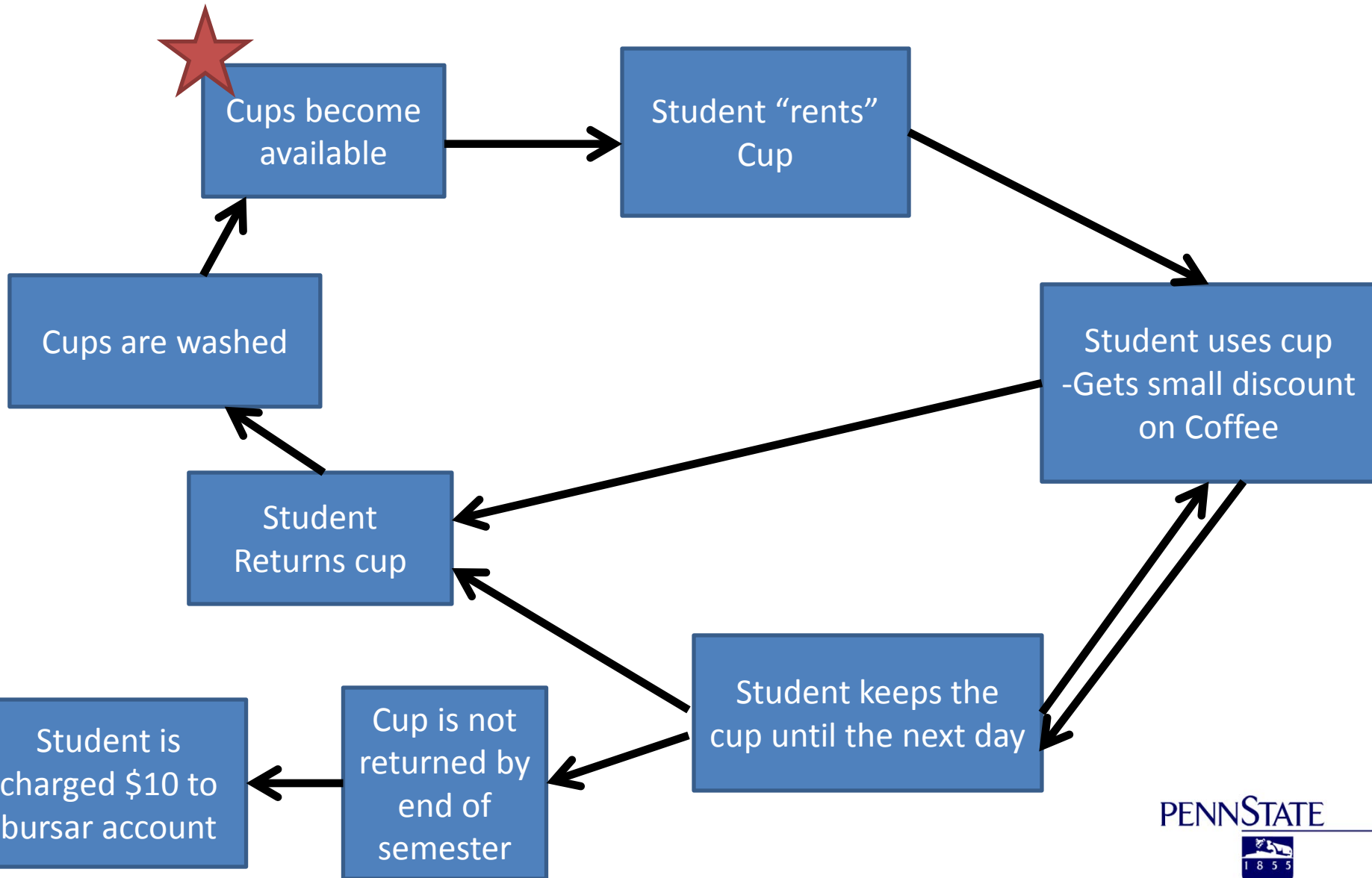
AN AVERAGE AMERICAN  
DISCARDS 252 COFFEE  
CUPS EVERY YEAR



# The Solution

- Reusable cup and sustainable use system
- Cost ~ \$3 + manufacturing
  - Approx. \$5/cup
- Estimated R value ~ 1.3
- Sustainable program in conjunction with all Coffee retailers on campus

# The Sustainable Process



# The Coffee Cup



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# Why is this beneficial to PSU's sustainability?

- Promotes Environmental thinking
- Cost reduction
- Waste Reduction

