# Blockchain for Industrial Engineers: Decentralized Application Development

## บล็อกเชนสำหรับวิศวกรอุตสาหการ: การพัฒนาแอปพลิเคชันแบบกระจายศูนย์

# Auction (V2)

# Cancel the auction

# Withdrawal pattern

- You should not send back back the fund to users that did not win the auction.
    - Use **withdrawal pattern** instead.
- You should send ETH to a user who requests it.
- This avoids **re-entrace attacks**.

# Re-entrace attack

- Reentrancy attack in Solidity repeatedly withdraws funds from a smart contract and transfers them to an unauthorized contract until the funds have been exhausted.