**Threats**

- External attacker impersonating user to access app
- External attacker modifying saved information
- External attacker intercepting traffic to modify information
- ...

**Threats**

- Asymmetric encryption
- Internal device memory
- Symmetric encryption
- Cloud
- Code repo

**Threats**

- External attacker impersonating staff to access code repository
- External attacker impersonating staff to access cloud storage
- External attacker/malicious insider tampers with source code
- External attacker/malicious insider tampers with saved information
- ...
Repudiation of Origin

I didn’t send that transfer

Bank

STRIDE - REPUDIATION
THIS IS A HARD ONE

- Someone claims the footage is false or of someone else
  - Other than a forensic chain of custody we can’t do much about that
- For your app could someone perform an action and claim it wasn’t them?
STRIDE - INFORMATION DISCLOSURE
Threats

- External attacker impersonating user to access app
- External attacker modifying saved information
- External attacker intercepting traffic to modify information
- External attackers linking footage to real identity

- External attacker impersonating staff to access code repository
- External attacker impersonating staff to access cloud storage
- External attacker/malicious insider tampers with source code
- External attacker/malicious insider tampers with saved information
WE NEED TO GO DEEPER

- Enumerate
  - Technology
  - Protocols
  - Functionality that can be abused (PIN reset)
- Flesh out connected systems
  - Code repository
  - Cloud storage
  - Log server
STRIDE - DENIAL OF SERVICE
Threats
- External attacker impersonating user to access app
- External attacker modifying saved information
- External attacker intercepting traffic to modify information
- External attackers linking footage to real identity

Threats
- External attacker launching DoS against cloud storage infrastructure
- External attacker launching DoS against cloud storage itself

Threats
- External attacker impersonating staff to access code repository
- External attacker impersonating staff to access cloud storage
- External attacker/malicious insider tampers with source code
- External attacker/malicious insider tampers with saved information