



Matters

Business: Budgeting and Assessing















# Why Completeness Matters

## Missing Cases == Bugs

User Role	Resource Type	Action	Owner?	Result
Admin	*	*	*	✓ Allow
User	Public	Read	*	✓ Allow
Guest	Public	Read	*	✓ Allow

- Completeness = Every possible input combination has a defined output
- **Missing Cases:**
  - What if User tries to Write to Public resource?
  - What if User tries to access Shared resource?
  - What if Guest tries to Write?
- **Without completeness:** Runtime error, undefined behaviour, or worse security vulnerability!

# Why Disjointness Matters

## Non-deterministic == Bugs

User Role	Resource Type	Action	Owner?	Result
Admin	*	*	*	✓ Allow
*	Public	Write	*	✗ Deny
User	*	Read	Yes	✓ Allow