



BLOCK NONCE #11: Document Your Code

What?

DOCUMENTATION = TL;DR.

Why?

It gives people the option to understand your code without digging through the details.

How?

Documentation comments (///): describe what the function does and how to use it — for someone reading the API, not the implementation.

Implementation comments (//): explain how the code works internally — for someone reading the logic. Break your code into “paragraphs” - logical chunks separated by blank lines and add an implementation comment on top.

```
/// Calculates the total price for a given order.  
fn calculate_price(user: User, order: Order) -> u64 {  
    // Sum the price of all items in the order.  
    let mut price = order.items.iter().map(|i| i.price).sum();  
  
    // Apply discount if the user is eligible.  
    price -= calculate_discount(&user, price);  
  
    // Add VAT according to the user's profile.  
    price + calculate_vat(&user, price)  
}
```

TIP

1. Remember - the code usually **doesn't** document itself, at least for the average human. Make sure you document your structs/enums, their members and functions.
2. Put effort into **naming** your variables and functions. Stuck? Ask your good-at-names teammate for inspiration or your favourite AI tool for inspiration. If it feels impossibly hard - that might be a design problem in disguise.

Call For Action! Next time you're frustrated by undocumented code, don't just complain — add a doc and save someone else the pain.