



Sync And Async Made Simple!

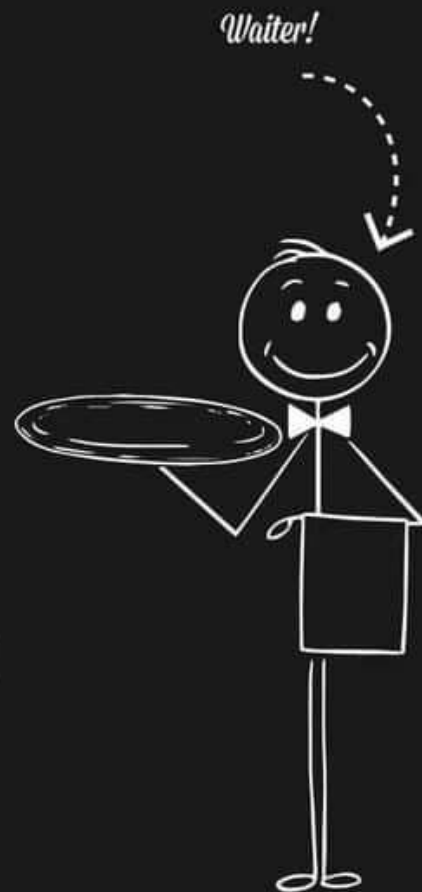


Sourena

Self Made Coders

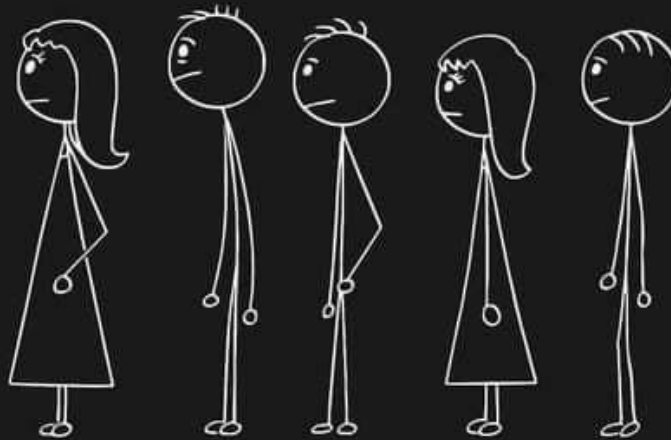
Let's say you go
to a restaurant

Waiter comes in and
takes your order





As he goes to the
kitchen, he **waits** till
your order is ready



Then he brings you the
food and **goes to
another table!**

Meanwhile other tables
are waiting to order!

That's called
Synchronous

Fortunately that's
not how real
restaurants work!

Waiter takes your order to
the kitchen but **doesn't**
wait till it's ready!

He comes back to take
other customer's order!

And once your food is
Complete (ready) he goes
back and brings you the
food!

That's called **asynchronous**

How Does it work in **programming?**

Simply put, if a task is fast
like loading a UI, it will be
executed **synchronously**

And if it takes time, like
downloading an image,
it will be executed
asynchronously