Regression test with Jimmy Joe's 1 year experience

The business team always provides a release plan -> what are the client's features? What is the due release date?
Then the develoeprs & testers start to work.

Release Plan
Release V1.0
Due date is On Apr

Jan | Feb | Mar | Apr — Release the app v1.0

Jan Feb Mar Apr → Everyday → QAs → Functional testing → FrontEnd testing, DB testing, API testing → GitHub

Total 350 Scenarios in 4 months

Regression testing

Apr — 1 week before the exact due date -> 1. Run ALL THE CODE writen untill one week before the release due date [takes hours]
->2. Also manually test all the functions [takes several days]

All the codes from Jan-Apr
Total 350 Scenarios
in regression

To get the Regression test result with 1 computer, it takes 40 - 50 minutes for 350 scenarios

Regression -> Parallel testing

Parallel Testing: All the test scripts (code) are executed parallelly and **simultaneously (at the same time)**. The process is automated, and it often runs on **virtual machines**. For the QA professional, no additional effort is required.

All the codes from Jan-Apr
Total 350 Scenarios
in regression

Central computer

VM 2 Windows — 110 scenatios run in this VM
VM 3 Mac — 110 scenatios run in this VM
VM 4 Linux — 130 scenatios run in this VM

With parallel testing, getting the Regression test result with multiple VMs may take just 15 minutes for 350 scenarios.

Release Plan
Release V2.0
Due date is On Aug

May | Jun | Jul | Aug — Release the app v2.0

May Jun Jul Aug → Smoke, Everyday → QAs → Functional testing → FrontEnd testing, DB testing, API testing → GitHub

Total 320 Scenarios in 4 months

Regression testing on Agu, 1 week before the release due date, execute parallelly

All the codes from Jan-Aug

Jan - Apr--> 350 scenarios
May - Aug --> 320 scenarios

Total 670 Scenarios
in regression test

Central computer

VM 2 Windows — 220 scenatios run in this VM
VM 3 Mac — 220 scenatios run in this VM
VM 4 Linux — 230 scenatios run in this VM

With parallel testing, just 30 minutes for 670 scenarios.

Release Plan
Release V3.0
Due date is On Dec

Sep | Oct | Nov | Dec — Release the app v3.0

Sep Oct Nov Dec → Smoke, Everyday → QAs → Functional testing → FrontEnd testing, DB testing, API testing → GitHub

Total 370 Scenarios in 4 months

All the codes from Jan-Aug

Jan - Apr--> 350 scenarios
May - Aug --> 320 scenarios
Sep - Dec --> 370 scenarios

Total 1040 Scenarios
in regression test

Central computer

VM 2 Windows — 340 scenatios run in this VM
VM 3 Mac — 340 scenatios run in this VM
VM 4 Linux — 360 scenatios run in this VM

With parallel testing, just 40 minutes for 1040 scenarios.

Jimmy Joe's experience about regression

Jimmy Joe's contract is eneded after working 1 year.

On Jan, he is on the market to find a new job.

Interviewer: Can you tell me about your regression test?

Jimmy's answer:
- In my current team, we run regression before release, once every 4 months.
- **I have around 1050 sceanrios in my regression.**
- **we spend 1 week before the release due date:**
- The automated scenarios run with 3 virtual machines in parallel, and takes about 40 minutes to run.
- **All the QAs manually test those scenarios in a week .**