EVENT DIAGRAM OF THE TEST PROCESS
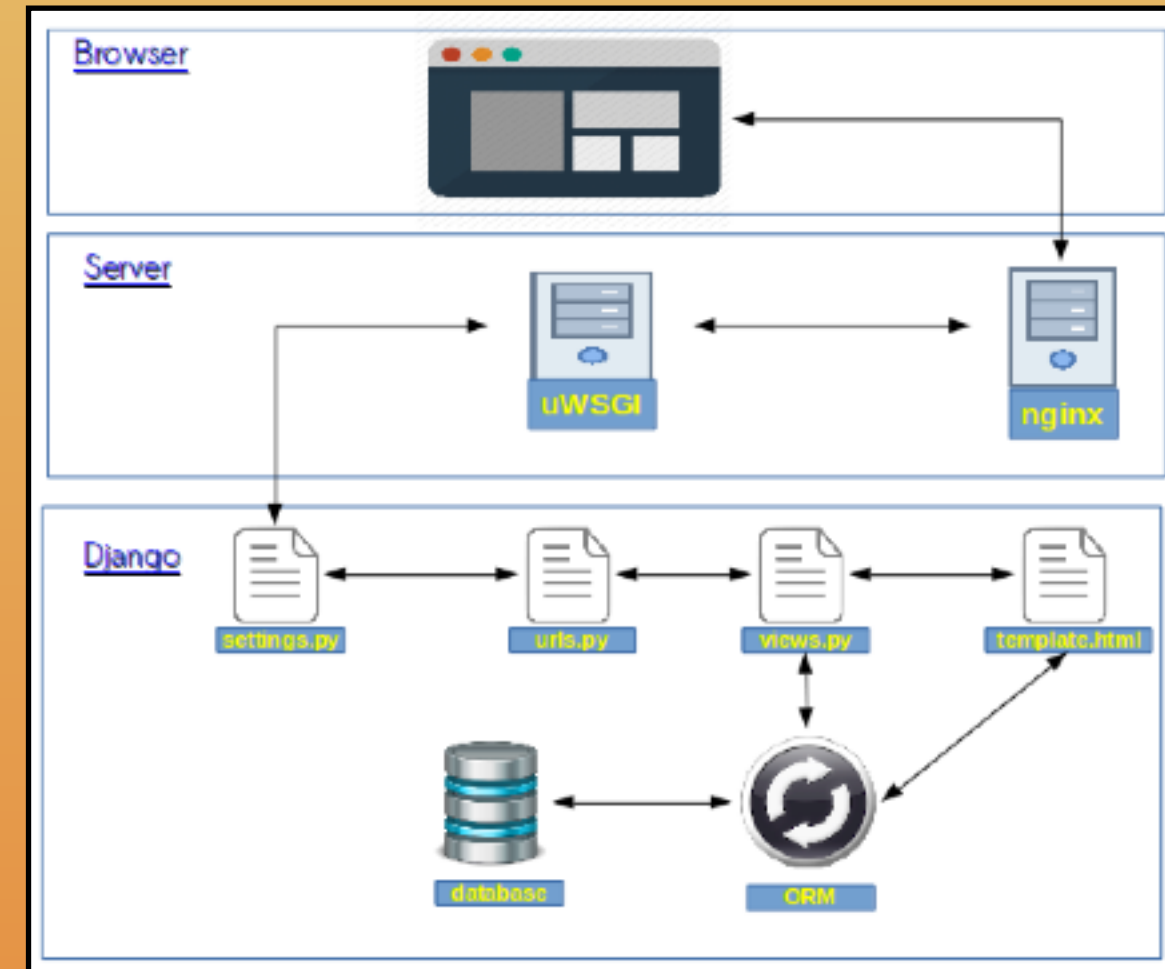

*BECAUSE WHO DOESN'T *LOVE* UML?😏*

Web Browser	Django Server	XMLRPC Server	Master Device	Slave Device

Request to view device record in test app

Looks up record via id and responds with rendered HTML and JSON via Django templates

Serializes XML to send to master

Runs control tests on slave (timing, electrical IO, serial, etc.)

Request to run test(s) on device under test (DUT)

Serializes XML to send to slave

Runs tests on itself (memory, timing, RNG, etc.)

Transforms request into commands and arguments

Deserializes XML results from master

Interprets results and converts data to XML

Interprets and records test results from master and slave devices (a)synchronously

Deserializes XML results from slave

Reports back its results to master and to HTTP/XMLRPC server

Displays test results to user