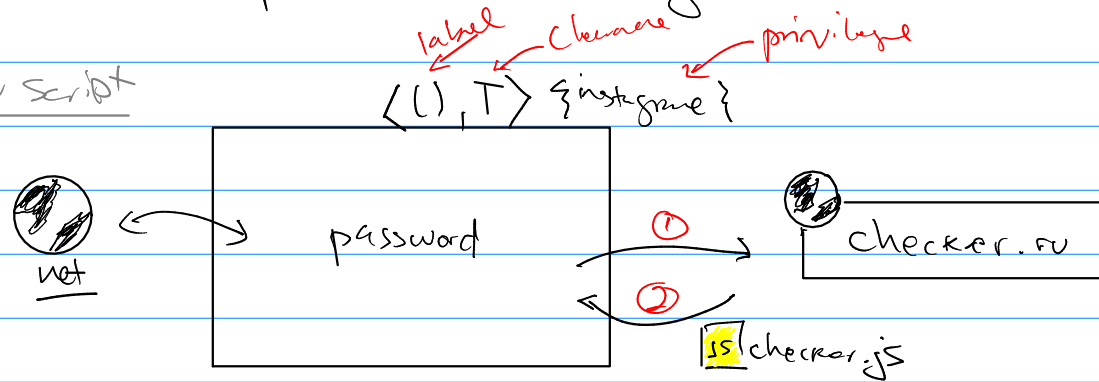
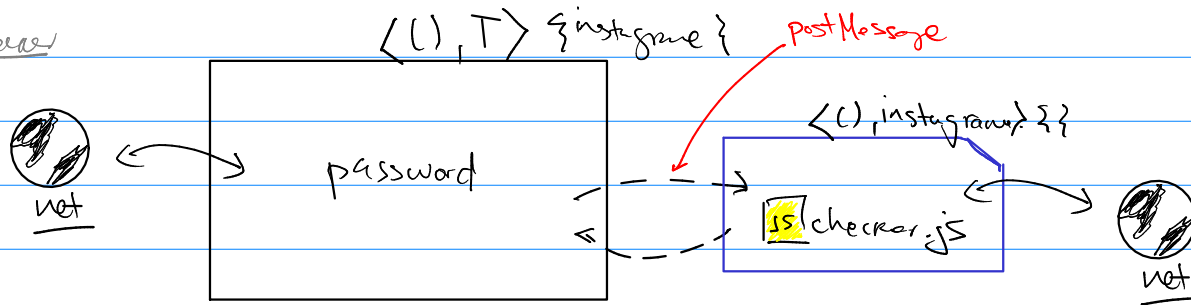


SWAPI Password strength checker

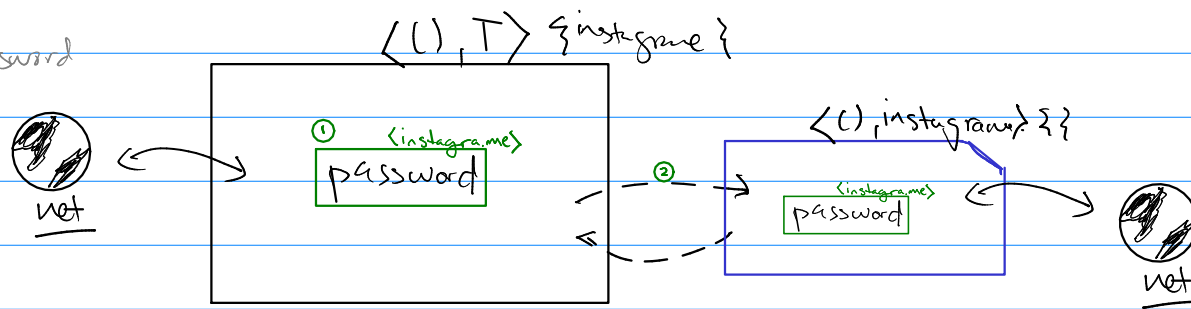
(a)
Fetch checker script



(b)
execute checker



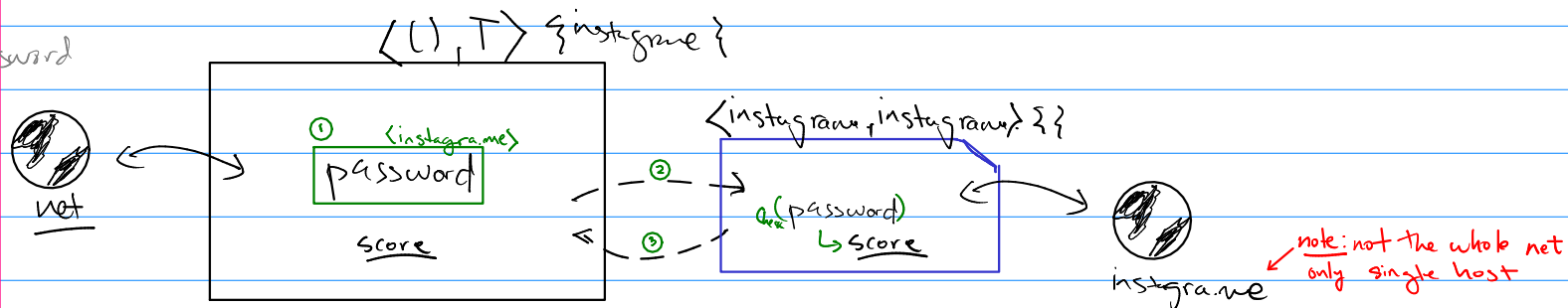
(c)
Send password



First approach
(labeled values)

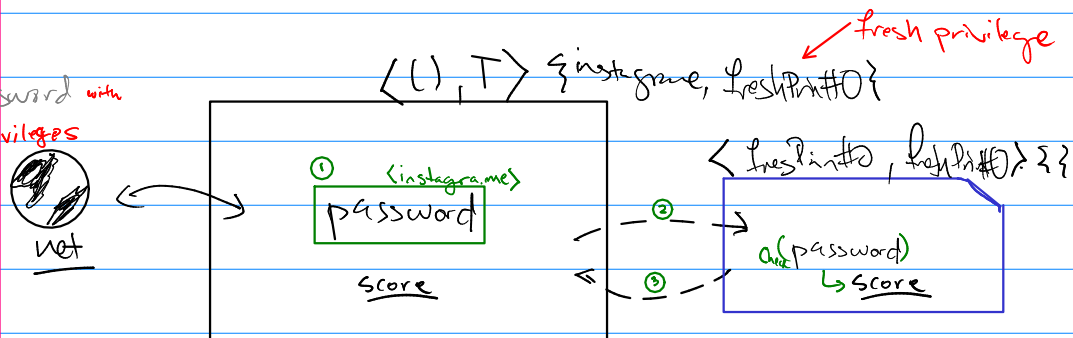
(d)

unlabel: password



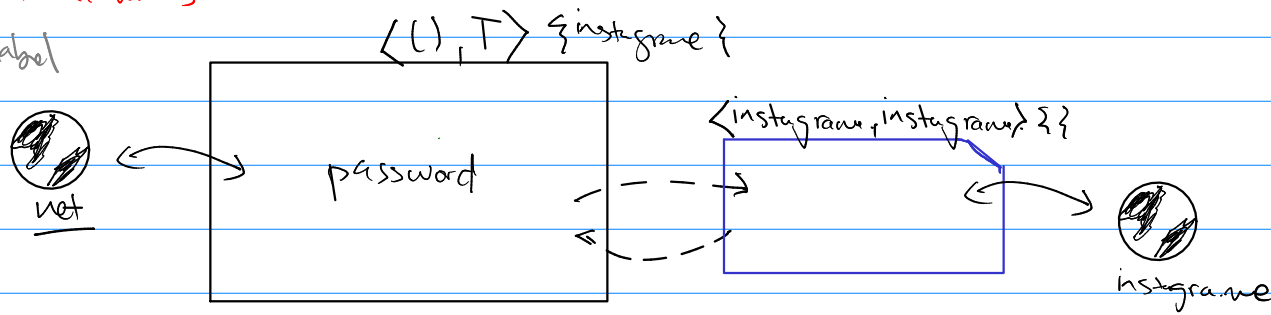
(d)

unlabel: password with
fresh privileges



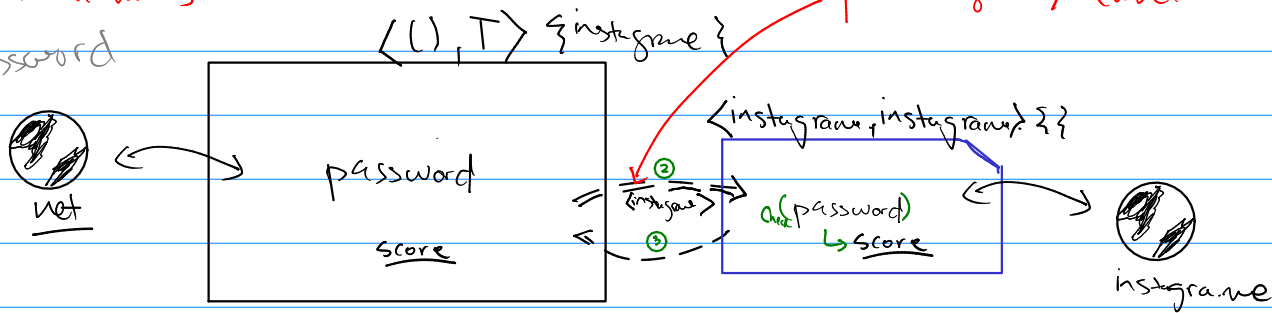
Second approach
(no labeled vals)

(c) without
labeled values
raise label



note: not the whole net
only single host

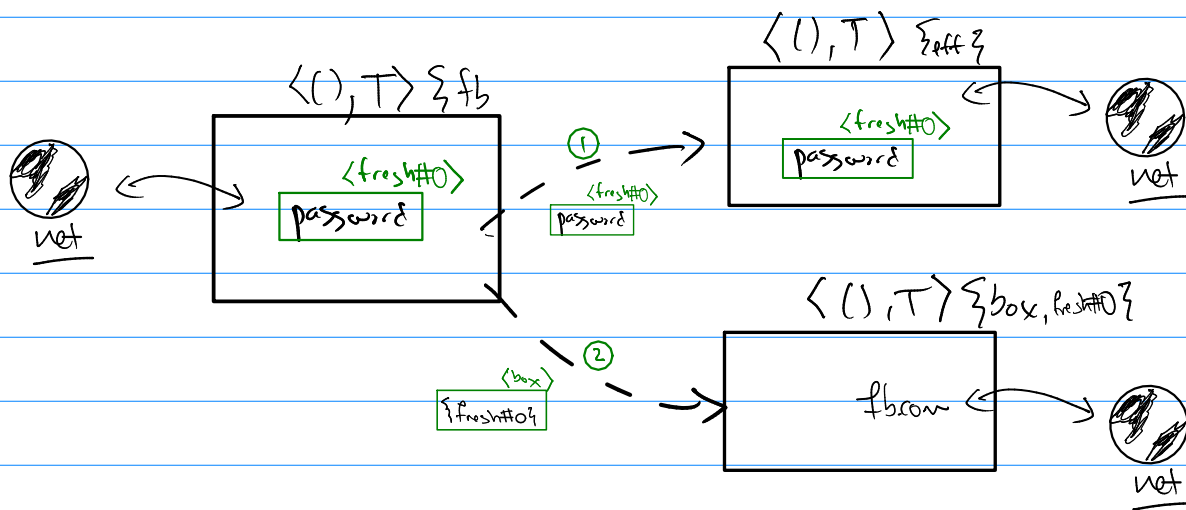
(d) without
labeled values
send password



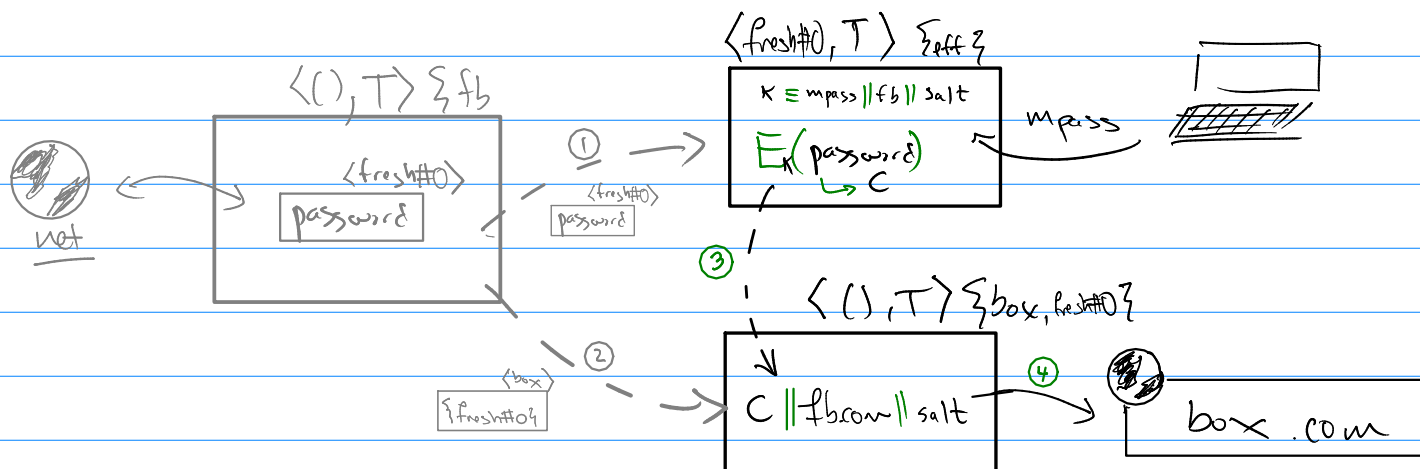
(d) the fresh privilege approach follows as before.

password manager (Saving)

(a) send labeled password

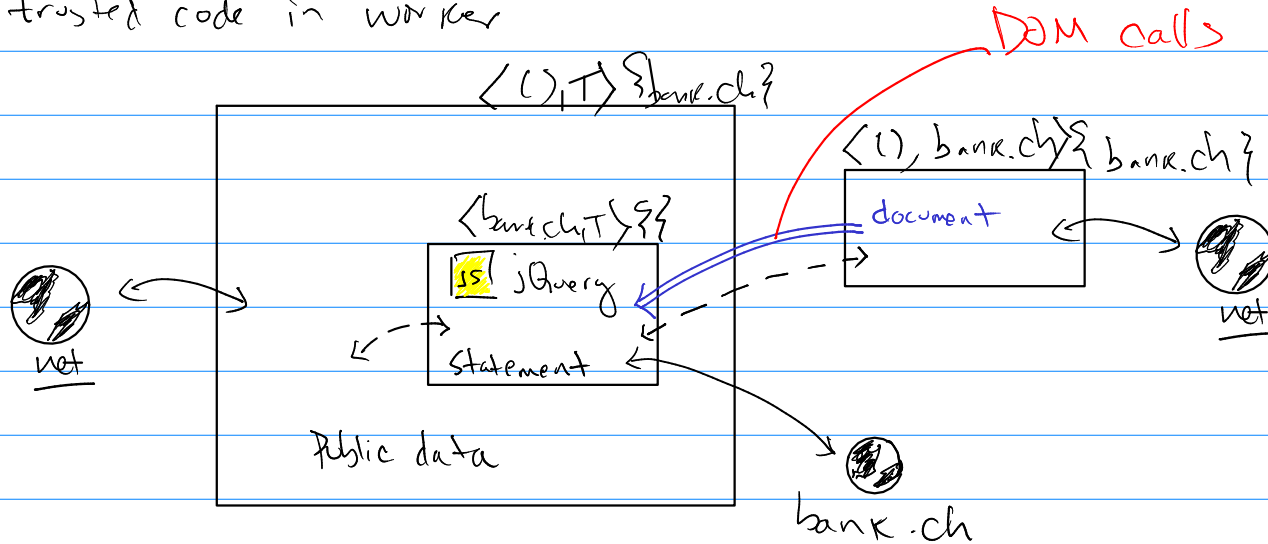


(b) encrypt & store

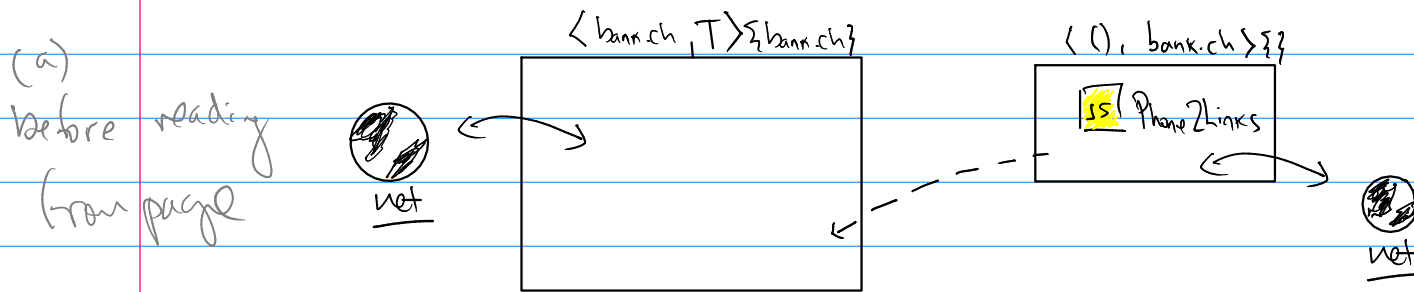


Privilege separation within iframes

a) trusted code in worker



b) trusted code in worker



this is actually pretty cool: We can let extensions use the network as they see fit and only restrict them once they look at the page content.