Front end vulnerabilities

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Sensitive Data Exposure

front end components dont pose a direct threat to back end but they do put end user in danger

attacks on admin users result in unauth access, sens data, service disrupt, etc.

most web pen testing is backend but good to know frontend for finding hidden access

Sensitive data exposure - availability of sensitive data in clear-text to end user

usually in source code

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could find login creds, hashes or
secrets data in comments or
in external JS code being
imported

also exposed links / directories

looking at source code should be one
of first things we do

important to classify data types and
what can/cant be seen on client
side

good to use JS obfuscation to reduce
chances of exposing code

HTML injection

Some user input never makes it to the backend and is entirely processed and rendered on front end

HTML injection - unfiltered user input is displayed on page

- retrieving previously submitted code like user comment from backend
- directly displaying input to front end

example of malicious HTML code would be fake login form

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could be fake login form

web defacing = insert malicious ads, change appearance, or change page

for front end examples, refreshing the page usually fixes any input