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Security vs Authentication

Authentication	Website Security
Control expected actions by your website visitors	Prevent unexpected (potentially malicious) actions by visitors / other people
Grant some visitors (e.g. logged in visitors) more privileges than others	Prevent exposing data or granting unwanted access to certain actions or your code

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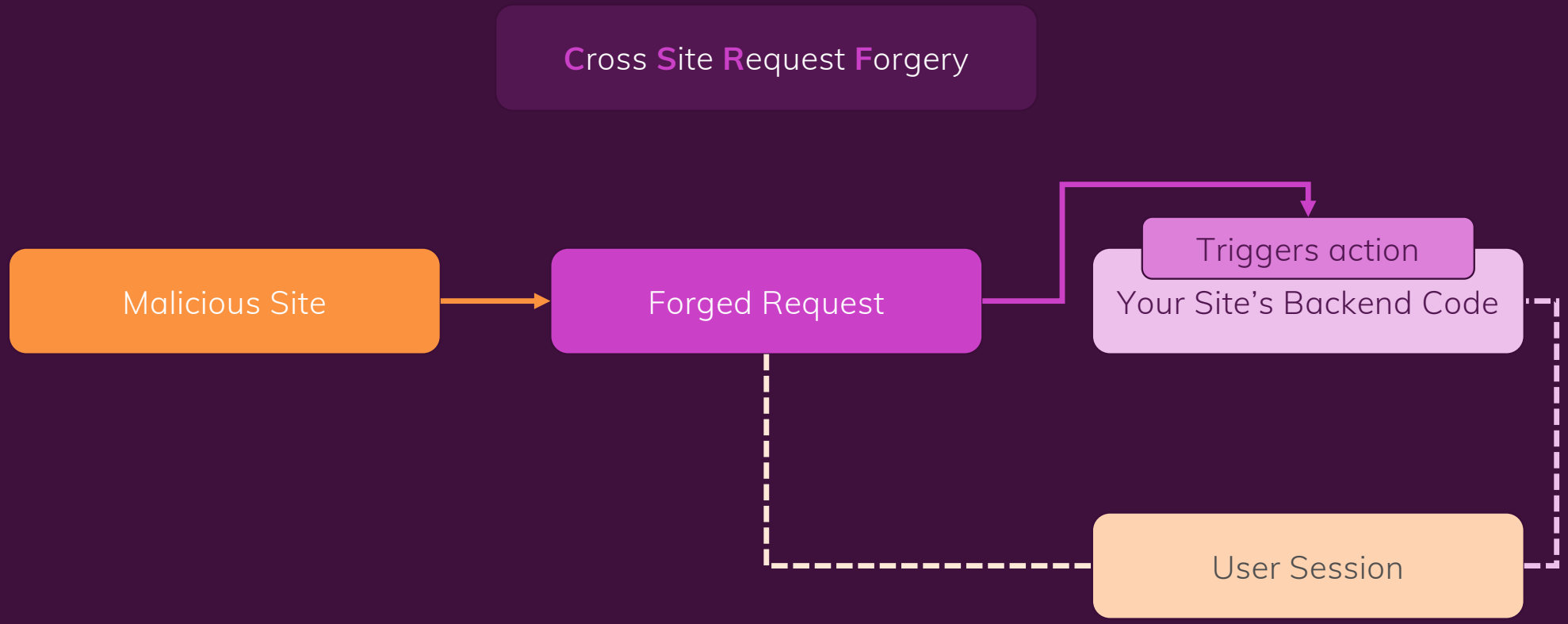
Understanding CSRF Attacks



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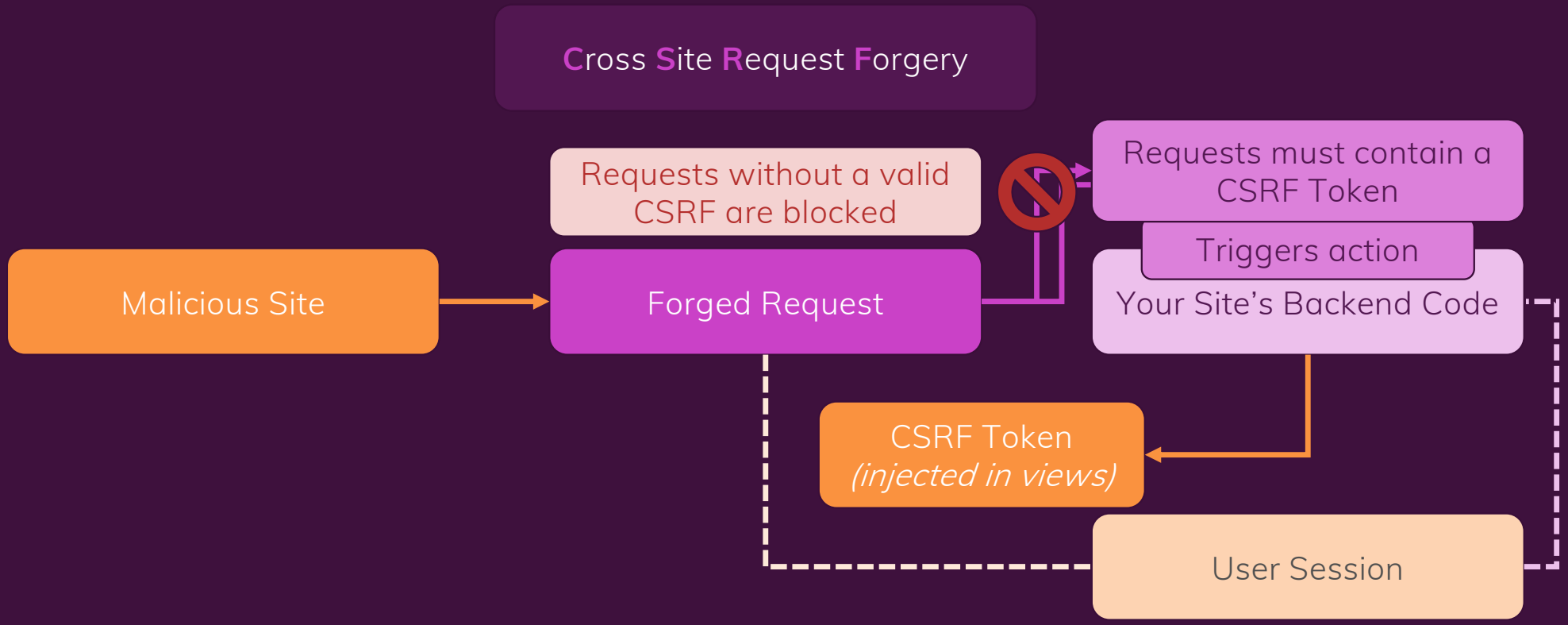
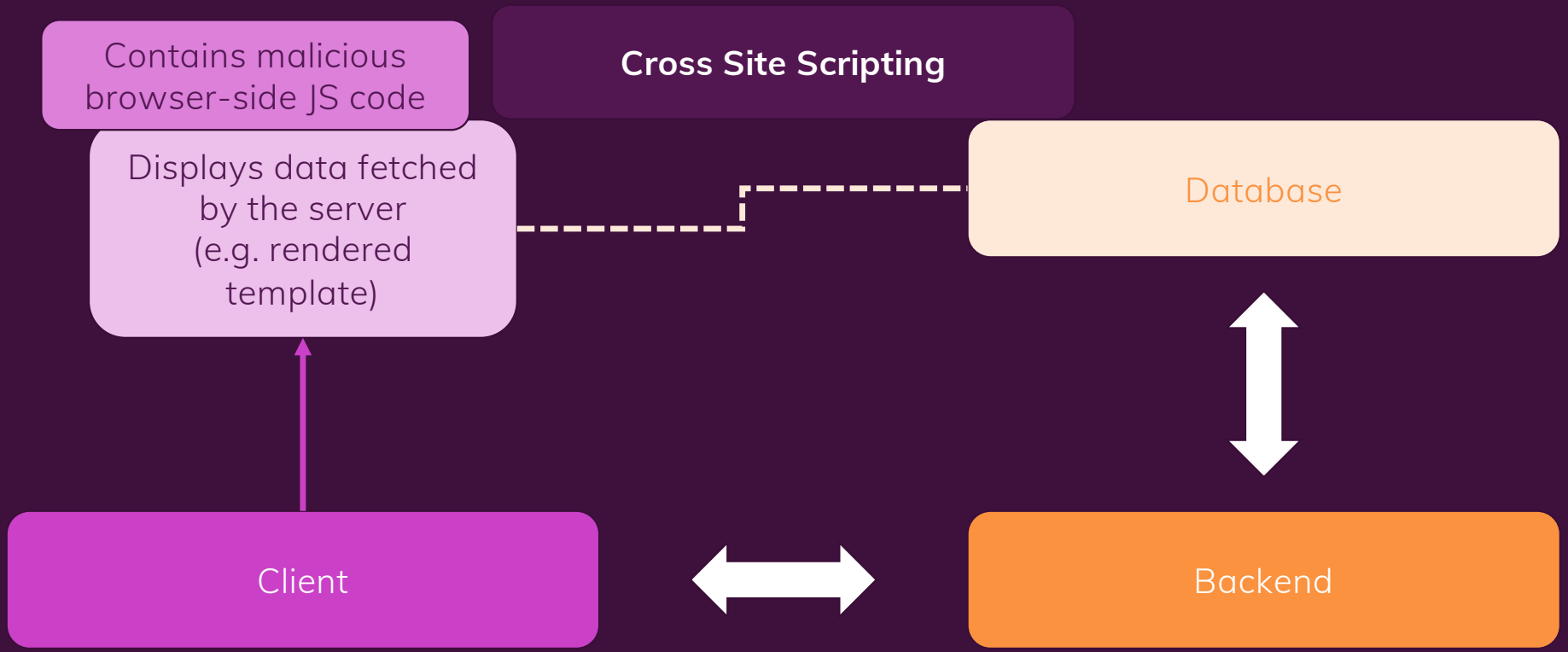
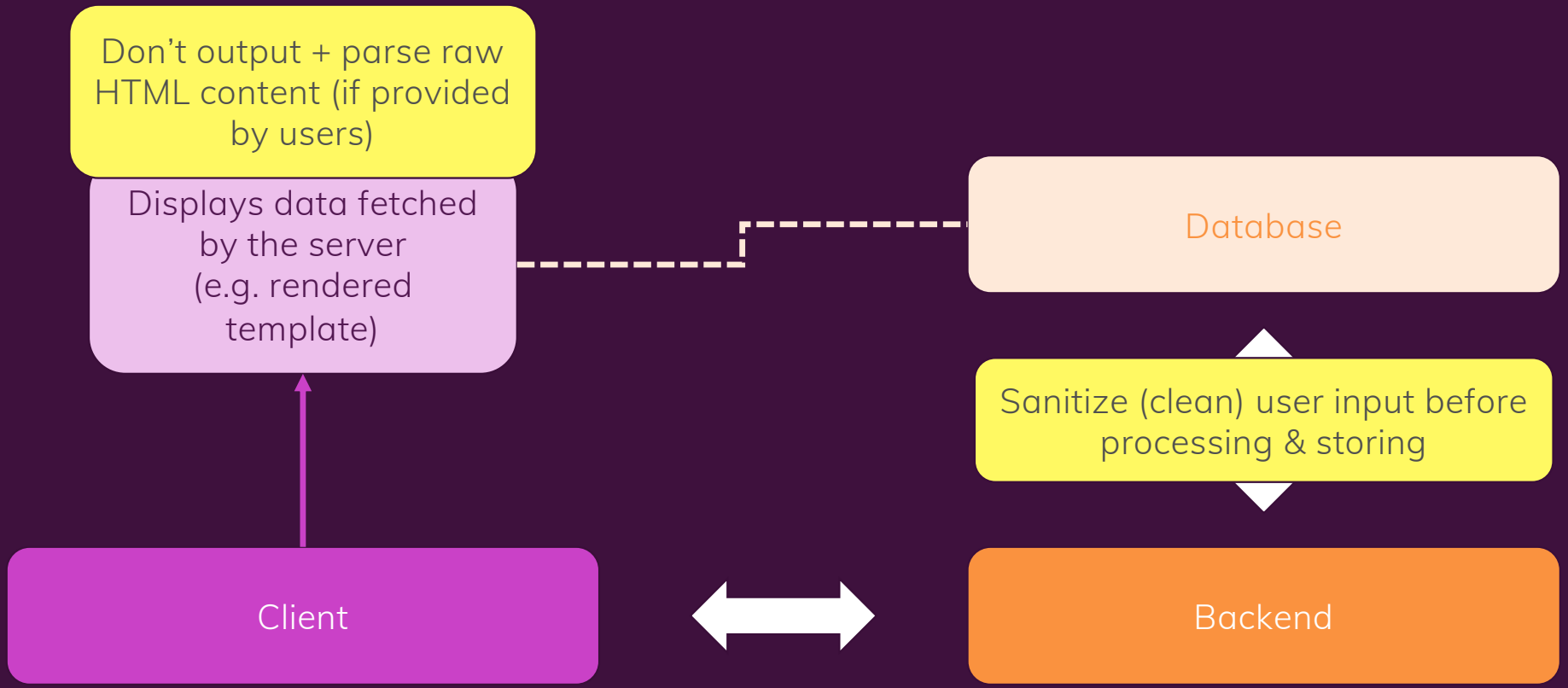
Protecting Against CSRF Attacks



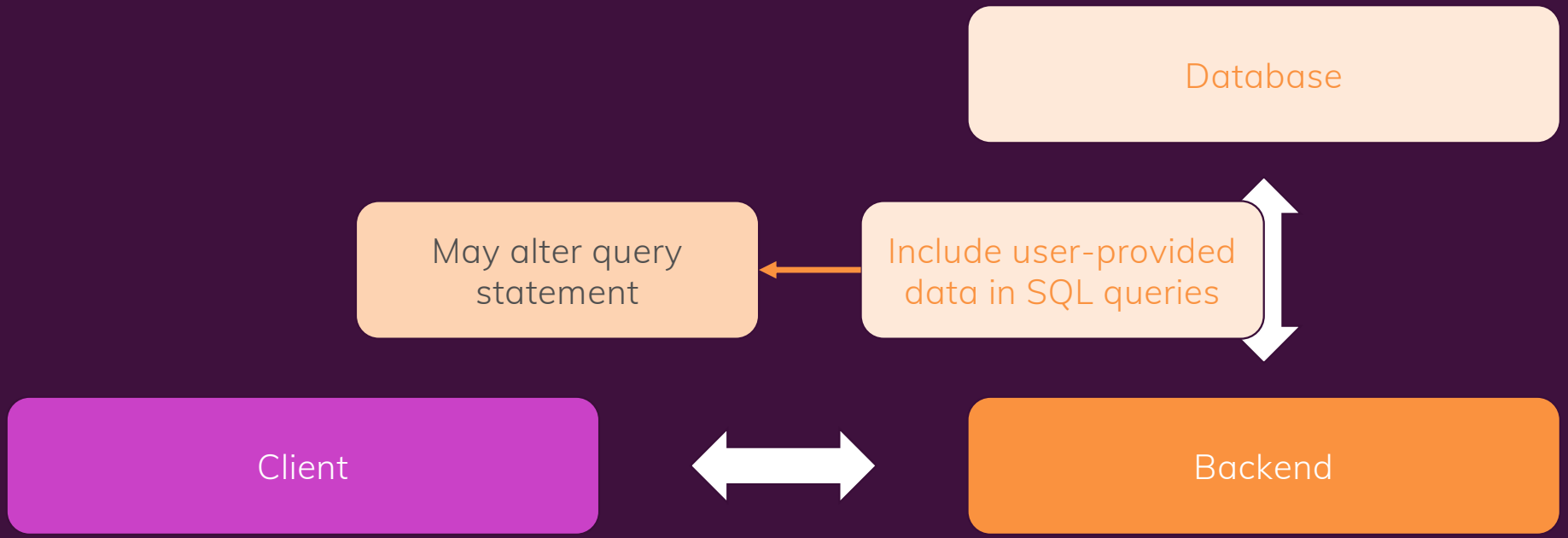
Understanding XSS Attacks



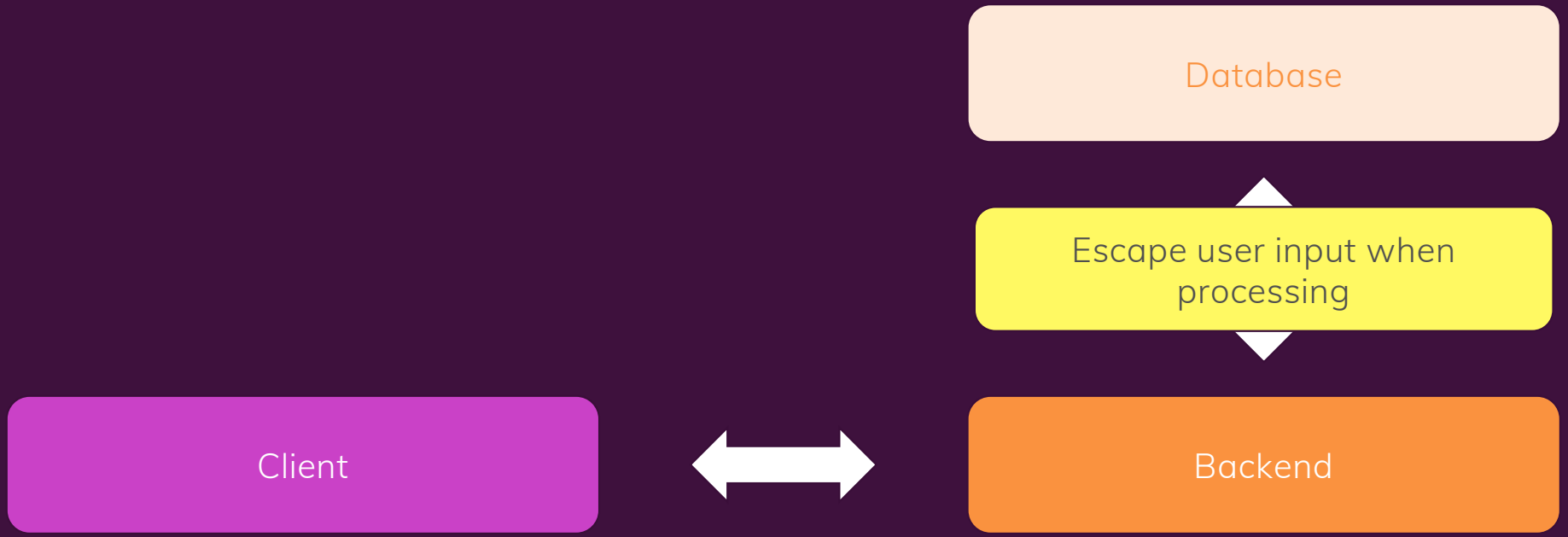
Protecting Against XSS Attacks



Understanding SQL Injection Attacks



Protecting Against SQL Injection Attacks



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Key Takeaways

Don't trust your users – and especially not their input!

Sanitize / clean user input data OR (better) escape it before outputting it on some page

Only output unescaped (i.e. raw) input data in the browser if you really know what you're doing

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Don’t Expose Your Backend Code & Data

Be careful when serving folders (and their content) statically

All files that are served statically can be requested and viewed without issues

You want that for your CSS, Images and browser-side JS files but not for anything else!

Avoid sending raw error messages to visitors

Will very likely contain information (e.g. code snippets) you don’t want to expose

Set up custom error handling + messages instead