**Threats, hazards, exploiting**

The web security that is most prevalent for Real Estate Wealth network is SQL injection attacks (Kime, 2023). Real Estate Wealth Networks is using a database for holding supplying data to their customers. The hazard of this attack would have been data theft, data manipulation, and data breaches (Whitefield-Madrano, 2023). This attack can also overwhelm the server resulting in slow speed or stopping the server all together (Whitefield-Madrano, 2023). This attack exploits holes in the existing security countermeasures are using zero-day attacks to go around input validation.

You can also set up database access but eventually the user’s credential will become exposed, or an unknown vulnerability will be exploited by an attacker (Kime, 2023). If we restrict text input to 25 characters a new attack could be bypassing character limitations and character length and still being able to launch an attack. One way to stop this attack would be to limit character input to less characters. We would need to provide a defense-in-depth strategy to make the database for Real Estate Wealth Network’s customers’ data safer.

**Actions, prevent**

The Real Estate Wealth network will need to filter database inputs (Kime, 2023). They will need server-side code and client-side code for this. To filter client-side code on the database Real Estate Wealth Network will need to restrict certain characters (Kime, 2023). The best way to avoid total disaster of SQL injection is to provide a defense-in-depth strategy.

The server-side code is the last line of defense if the attacker can get through the client-side code. If the input is only supposed to show numbers, the input should not allow letters or special characters (Kime, 2023). If the input must show text, the input should not allow numbers and have max number of characters allowed (Kime, 2023). Also, no special characters besides a period, question mark, and exclamation point. There are a lot more ways to defend against this attack. This is one of the most effective ways according to (Kime, 2023).

**pros and cons**

The pros for using access control methods for Real Estate Wealth Network are it gives organizational definitions to who can access a specific system (Fortinet, 2023). The organization knows who and what is allowed to use resources based on roles within the company (Fortinet, 2023). Another pro is having a structure of who can access what from having a role-based access control. Also, another pro would be that this would reduce data breaches because you are limiting authorized users.

The cons of using access control methods are the complexity involved in setting it up. This could potentially, if installed incorrectly, make it easier for an actor to execute an attack on the Real Estate Wealth network. The cons of using a firewall are you could potentially block good users from accessing your website and databases. This could lead to revenue loss and reputational damage if not corrected in a timely manner.

**References**

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