**Research**

Analyse and elicit the security requirements of a patient passport system by applying CIA and AAA models. Please provide a clear rationale for your analysis and provide details to support your statements.

What I need to do

1. Analyse security requirements of a patient passport
2. Apply CIA and AAA to analysis
3. Provide a clear rationale for analysis
4. Provide details to support statements

Cybersecurity – Recently, The Times Health Commission has published ten recommendations to address the areas the NHS is struggling with. One of them is to create digital health accounts for patients, called patient passports, accessed through the NHS app to book appointments, order prescriptions, view records, test results or referral letters and contact clinicians1. It would track a patient’s records for life, allowing any GP, NHS hospital, pharmacy or social care agency to access information2.

What I need to know

* Any doctor can access patient health information that is digitally stored in one place.
* Could be accessed through NHS app – Gateway to see records, book appointments etc.
* Easy access = easy access for anyone

Sources

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Analyse which transport protocol should be used to build the communication between the healthcare provider and the database

How to use the tools we learned in this module to identify the potential bottleneck link which caused the network transmission delay.

Networking – When healthcare providers access patient records from the central database, they often experience delays. These delays are especially pronounced when accessing dataintensive files such as medical imaging (assuming the delay problem is network-related and not due to database server performance). Given the sensitive nature of patient data and the increasing reliance on telemedicine and digital health records, please 1) analyze which transport protocol should be used to build the communication between the healthcare provider and database and 2) how to use the tools we learned in this module to identify the potential bottleneck link which caused the network transmission delay

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