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Investigating the relationship between the cyber security risks when using traditional hand coding practices in software development and the cyber security risks when using Low Code Development Software (LCDS) in software development amongs young IT software developers in software development industries in gauteng.

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1.INTRODUCTION  
The research aims to provide young new IT software developers in the gauteng software development industry better understanding on the correlation between security valnerabilities when using LCNC (Low Code No Code) development practices versus traditional hand coding practices. It is argued by Alamin, Malakar, Uddin, Afroz, Haider and Iqbal that using LCSD (Low Code Software Development) Tool’s, greatly increase the rate of production by providing flexability, agility,reduced bug fixing, lower development effort and easier maintainance however it is also stated in the study that there are multiple concerns about the tool such as cyber secruity valnerability and can cause a waste in company resources if the incorrect LCSD tool is chosen in the application development life cycle (Alamin et al., 2021).   
  
With the growing popularity and adaptation of LCSD’s in the IT software development industry according to the study that states “According to Forrester report, the LCSD platform market is expected to be $21 Billion by 2022. According to Gartner report, by

2024, around 65% of Large enterprises will use LCSD platforms to some extent.” (Alamin et al., 2021).  
  
To prove wheather or not the use of LCSD is applicable in all cases of software development, this assignment will firstly, give an overall background and understanding on the study , providing a section on the relevance of the study, along with the study’s research problem, a set research main hypothesis and hypothesese based of the main hypothesis of this study. Secondly the researcher will provide an overal literature review on the use of LCSD in the Software development industry and providing a theoretical approach to the study, as well as an analysis of previous literature and a list of conceptualised key concepts to the research study.

2.TOPIC  
  
3.BACKGROUND  
The study will be looking at reletive studies that were previously carried out by research teams, their study results that were produced aswell as a mixture of expertly opinion provided with relevant proof. This study is based of the assumption that LCSD Tools are applicable for development of non data sensitive application components however traditional hand practices are best suited in data sensitive components

4.PROBLEM STATEMENT  
  
5.RELEVANCE

6.

7.

8.THEORETICAL FOUNDATION

9.PREVIOUS RESEARCH   
  
REFERENCE LIST   
  
Alamin, M.A.A. *et al.* (2021) *(PDF) an empirical study of developer discussions on low ...*, *An Empirical Study of Developer Discussions on Low-Code Software Development Challenges*. Available at: https://www.researchgate.net/publication/352805735\_An\_Empirical\_Study\_of\_Developer\_Discussions\_on\_Low-Code\_Software\_Development\_Challenges (Accessed: 13 May 2024).