



# PyPen

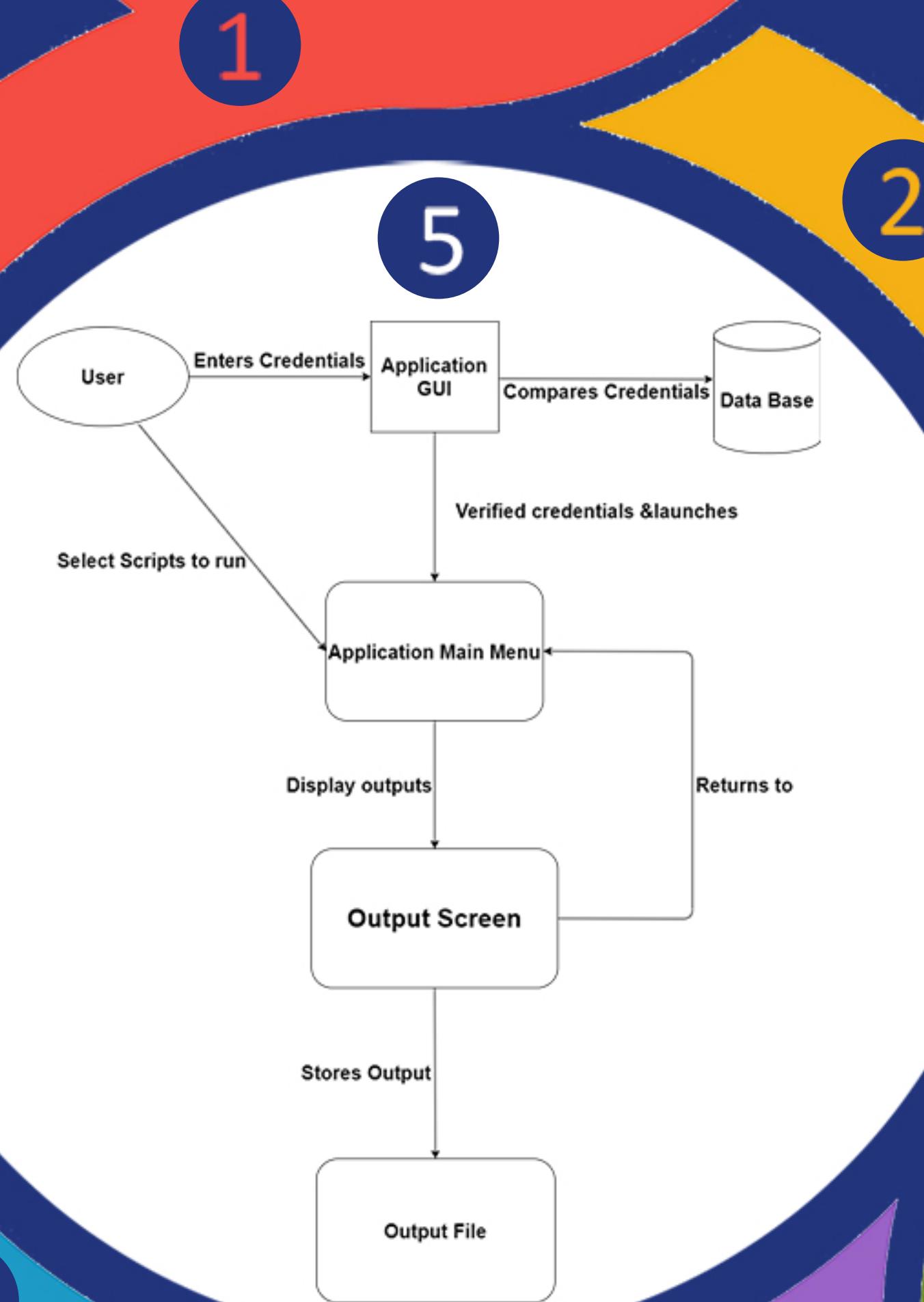
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**Conclusion and Future work**  
Pypen work as Pen testing cross platform, GUI Based, hacking software which serves its purpose in cyber security As for future work PyPen can be improved via Adding more functions Combining more programming languages Publishing PyPen Online for commercial use

**Problem statement**  
Penetration testing can be really messy and tricky Mistakes may happen which leads to loosing valuable assets Penetration testing is time consuming Tools used in penetration testing face software limitation



**Proposed solution**  
Pypen  
Cross platform Pen testing application  
User-Friendly and interactive GUI  
Constructed using PyQt Framework using python version 2 and version 3  
Contains a set of predefined (pre-written) scripts  
Stores the functions results in a back log file and displays output on screen

**Learning Outcomes**  
Experience of working with PyQt Framework Knowledge in implementing Wi-Fi penetration testing and hacking scripts. Building an application compatible with windows, iOS and Android Settings graphics effects with easy click buttons

**Contribution and relevance**  
Pypen to be the most user friendly application for pen testing  
Very efficient tool in cyber security field for being easy to use and contain large libraries

**Results and validation**  
The application is able to perform multiple pen testing function across a certain network  
The application enables the user to check his/her performance through log files