**Scrum Security Review**

Agile development is informal and flexible, as such it can be more vulnerable to security flaws.

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| Software development stages of the Scrum agile life cycle | Secure Software Processes |
| Planning | Identify the risks and plan for them from the beginning, before development. |
| Design | The security plan is actioned. This will best be documented through UML diagrams, such a mis-use diagrams to model potential threats and attacks. |
| Implementation | Secure coding practices are adopted in the sprints. These would align with the OSWAP protocols. |
| Testing | Thorough testing dedicated time to deliberately try to break the software and exploit any vulnerabilities. This will model potential attacks. |
| Deployment | Ensure the release process is secure, particularly when moving from a developmental environment to a release environment. |
| Maintenance | Monitor new or emerging threats. Ensure any feedback from end-users is used to modify the code. Document updates and release notes. |

**References**

Sharma, A. & Bawa, R. K. (2020) Identification and Integration of Security Activities for Secure Agile Development. *International Journal of Information Technology*.