J. Irvine Secure Software Development

Seminar 1: Scrum Security Review
Please carry out these activities before joining the seminar this week. Your answers will be discussed during the seminar.

Question 1

Create a 2-column multi-line table. In the left-hand column, include the software development stages of the Scrum agile life cycle approach to project management. In the right-hand column, describe the processes which you recommend are applied at each stage to ensure that secure software is produced at the end of the development. To support the preparation of your response, you can refer to the following literature:

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

The Software Development Stages of the Scrum Agile Life Cycle	
Stage 1: Product Backlog Creation	Starts with an idea and list tasks that are prioritised in order of importance. They may also: • What is the app for • What are the user requirements • Plan and allocate tasks and resources
Stage 2: Sprint Planning	The Team can start building the first version of the app, this can take time. You do not want to work on this longer than a few weeks before getting feedback.
Stage 3: Sprint	This stage will be completed in agreed times. As sprint will have: • Daily Scrum – this is a brief meeting to discuss any issues • Sprint Review – progress on the app will be shared with others. • Sprint Retrospective – lessons learned and what improvements can be made
Stage 4: Testing	Testing should be carried out at all stages to make sure that issues are found and addressed prior to the app going live. The app will be tested and any issues logged and debugged.
Stage 4: Retrospective	This is an evaluation of the project and give the team the opportunity to discuss, determine and improve performance in the next stage of the process.