

5.1 Scrumban (Yap, 2023)

Scrumban is a hybrid methodology integrating Scrum and Kanban. Application of Scrumban (Lei et al., 2020) to the case study could have been the ideal solution using both methodologies as it combines the advantage of Scrum (Iteration of sprint) and Kanban (Kanban board to visualise work items). According to a different literature by Lei et al. (2017b), both Scrum & Kanban methodologies led to successful software development projects in its statistical analysis. Iteration of sprint in Scrum will likely lead to incremental improvements in the work items (Lei et al., 2017b).

There was a lack of team buy-in in the case study (Senapathi & Drury-Grogan, 2020) as there were not enough time and training for the team members to adapt and learn the Kanban methodology used. Scrumban could have solved the above problem as the processes in Scrumban include daily stand-ups where short daily meetings are held to synchronise the team. This would allow opportunity for close collaboration and transfer of knowledge within the team members for both the content & design team with the development team, thereby allowing higher probability of team buy-in on the methodology used i.e., Scrumban.

Kanban may have a better visualisation board (Lei et al. 2020) in comparison to Scrum (Rachmawati et al., 2023). Hence, combining Kanban with Scrum methodology by using Kanban board, as stated above, may be an ideal solution to the case study in terms of visualisation. While a Scrum board is removed and recycled after each Sprint, a Kanban board is used throughout the course of a project (Rehkopf, 2023). Not clearing the board after each Sprint could be a better way to relook at work items which may have problems arise during the project duration.