

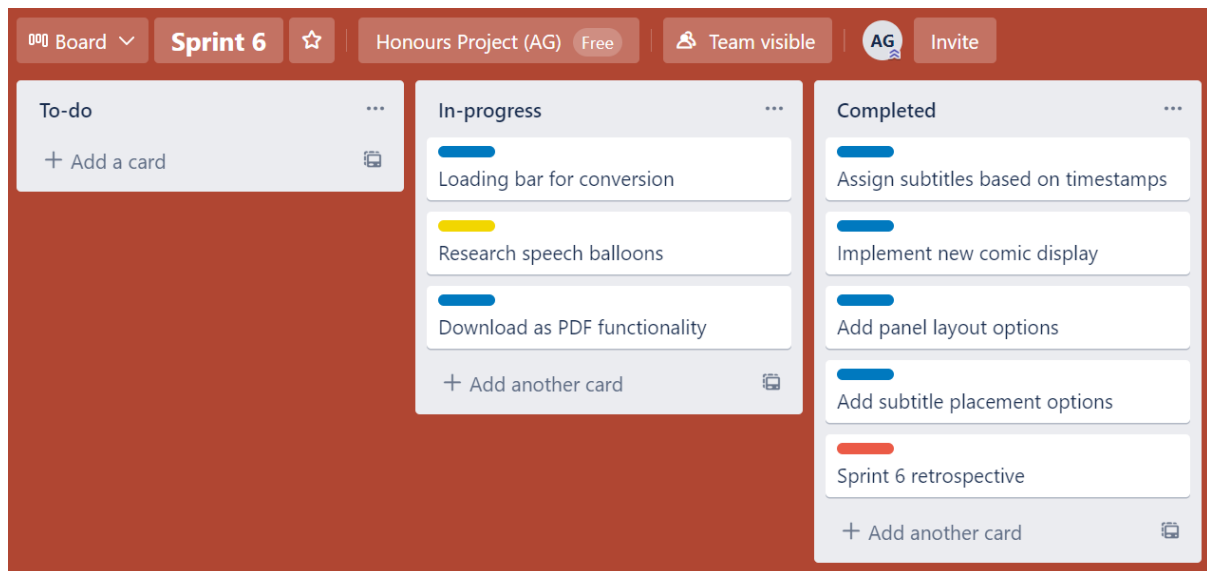
Sprint 6 Retrospective

Start Date: 15th of March 2021

End Date: 28th of March 2021

Duration: 14 days

Goals: The priority of this sprint was to fix a subtitle placement issue. This sprint also involved adding user customisation by implementing varying panel layouts and subtitle placement options.



Outcomes: When assigning subtitles to keyframes, the current algorithm didn't handle the scenario in which two subtitles resided in the same keyframe timestamp period. It would assign the first one and then push that one forward when another was added. This resulted in the subtitles being in the wrong order. To combat this issue, an array was first filled with undefined values for the number of keyframes. Then, these undefined values were replaced with the desired subtitle for that keyframe. If a subtitle was assigned to a keyframe that already contained a subtitle, it would be placed in the next available position. This allowed for all subtitles to be kept in the correct order at the best-fit position.

Customisation of subtitles was an important feature highlighted in the research carried out. Subtitle position was also identified as an issue with traditional subtitling. The subtitles were currently displayed overlapping the picture so an option to move these subtitles underneath the picture was added. A defining feature of comics is the array of panel sizes and shapes that can be used. To implement this in the application, differing set layouts were added as options for the user.

PDF download functionality was also explored in this sprint. Currently, the comic can only be downloaded as individual JPEGs. The issue is that the component dynamically changes depending on the page and layout so the whole comic can't be printed from just the component. This task will be pushed to the next sprint.