Summary of Outstanding Bugs and Defects (Astro:Fly Milestone 1)

Item #	Issue	Severity	Details	Cause (if known)	Resolved	Action Taken	Issue Outstanding	Future Actions	Related style.css line
1	GIT conflict	High	Unable to commit from GitPod to Github. Exact message states" Your branch and 'origin/master' have diverged, and have 1 and 39 different commits each, respectively. (use "git pull" to merge the remote branch into yours	Believe this relates to updating GitHub directly to update README file and add supporting files whilst having GitPod open at the same time.	No	Followed on-screen prompt to 'pull' which then returned cryptic message about merging. I keyed the command it suggested but now if I attempt to pull (as it suggests) it returns message "fatal: Invalid value for pull.rebase: merge"	Whilst not overly concerned that any significant issues have been created which will affect the site (as only Readme is updated in GitHub directly, it has now prevented any final adjustments to .css and html from being made. This means project will be submitted without final adjustments to include further comments, acknowledgements and tidy-up of existing code and comments.	Need to obtain general better understanding of Git processes incl, push / pull, forking and GitPod vs. Git Desktop	N/A
2 (links to item 3)	Flights Page - Top Page Mis-alignment	High	Underlying 'issue' relates to item 3, but this relates to being unable to apply a fix. A negative margin (workaround for item 3) is calculated in VH. Workaround seemed to work and then at latter stage no longer working and had to be reset despite using same sized browser dimension and image.	Believe (in addition to multiple factors under point 3) that issue further compounded due to; - using <picture> element and variety of image sizes to allow the browser to choose size - My set-up consists of a standard width / resolution monitor and a 34" wide Thunderbolt Display (higher res). Despite using the same browser over screens and at same specific dimensions (as shown in Chrome developer tools) I believe that the browser is selecting a different image despite the same pixel width / aspect ratio. This in turn seems to distort the VH settings (on the negative margin (or maybe another calculation where pixels impacts (em, vw, line height?)	No	Plethora of various changes attempted but no common ground found - also difficult to ascertain what extent is caused by this item versus the underlying challenges (point 2).	See point 2	See point 2 - also indicates need to understand what other scenarios need to be mindful of which may be affected through development on different resolution devices.	Refer to row 1540 style.css
3 (links to item 2)	Flights Page - Top Page Mis-alignment	High	Unable to define correct positioning of sticky image (appropriate for all device screens) also affecting overlay of text on image (either poor position (using absolute) or (using relative) text scrolling under rear images / over foreground image whereas should be layered between both and also appealing under fixed header.	Factors; - hero image consists of sticky foreground, scrolling images beneath, absolute positioned text and fixed responsive sized header.	No	Text positioned absolute to obtain layering between foreground and scrolling images, but means positioning of sticky and scrolling images do not recognise their existence, also unable to size the foreground image appropriately (lower part of image acts as sticky foreground, but full image height includes upper part of image which appears later in html as part of underlying scrolling image. Workaround included creation of a faux navbar with properties as real navbar to mirror responsive sizing. This helps prevent items from disappearing beneath. Only workaround to 'pull' the foreground image is through combination of negative margins on multiple nested divs. Used VH property as expected this to provide a responsive approach but impacted by item 2 above plus not workable for portrait - media query added to remove functionality from portrait.	Page not always loading correctly, can mean foreground image appears at the end of the scroll, overlaying animated text which only stays on screen for certain time may initiate off-screen so only part of message seen. Have also experienced instances where water scrolling down the page, cannot fully return to the top meaning no access to navbar and user stuck on page.	Seems to be a multitude of related considerations - not currently clear whether this is case of poor design principles, lack of awareness of correct styling or something else (e.g. possible Java Script solution or before:after which not yet fully understanding).	Refer to row 1470 style.css
4	Responsive Footer	Medium	Similar to fixed header below, but instances where page content either appeared under footer, or footer seemed to extend further than necessary creating white space and unnecessary scrolls. Other factors (not identified) means the issue is inconsistent as to how pages manage across screen dimensions.	Not known other than relates to behaviours associated with Bootstrap footer conflicting with specifications used.	Partial	Initially a fix was located on-line (https://css-tricks.com/couple-takes-sticky-footer/) - seems like a dodgy link but is bona fide! - uses a flex box which grows and shrinks to ensure appropriate sizing to the footer. Note that although this fixed the issue on the Sign-Up page, applying the same on other pages (for consistency in page design) introduced the same problem which was previously non-existent. Therefore backed out use of workaround	Isolated instances seen (where 'random' responsive screen sizings were made) but seemed to have been resolved for the breakpoints and device dimensions within Chrome developer tools.	Experience and understanding.	See line 102 style.css for fix details And row 1916
5	General padding and margin sizing and alignments	Low	Often default styling (e.g. Bootstrap) created challenges which affected page layout. No single 'fix' or override seems to manage so a number of 'global' resetting of margin / paddings have been defined at the start of the style.css	Not a 'defect' more need to understand how to better manage and work with default styles.	Partial	Number of styling resets in .css	No, but not keen on having so many global resets as may create other problems if this was an ongoing site.	No	Refer to line 102 style.css

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6	**Pseudo states not behaving as expected / taking effect**	**Low**	Styles defined for hover / active and override of Bootstrap were not always being respected.	Not a bug - was due to the layered structure of page, for example hovering on a button actually passes over multiple elements - surrounding div / parent, the button, an anchor and text - all f which are defined as individual elements and not always passing the states between them.	Yes - workaround	Had to introduce multiple statements to manage behaviour across the layers. Likely there is another cleaner solution.	No	Understand cleaner code which can inherit and pass behaviour upstream to parent.	Refer to row 268 style.css
7	**Alignment of graphic**	**Low**	Alignment and layout of HUD graphics can result in poor outline - relates to aspect ratio as opposed to screen width alone.	Inherent in fact screens have different aspect ratios.	No	Some refinements made to positioning, sizing, padding, etc - often on a 'best fit' basis rather than creating high number of media queries.	Partly - most extreme cases were managed through media queries	No	Refer to line 477 style.css
8	**Scrolling text animation stuttering**	**Low**	Scrolling text (news ticker) introduced a stuttering effect which was too distracting	Working back through changes identified that this was introduced through a separate animation which was applying a colour flash (for an alarm style) as if scroll animation paused whilst colour change occurs.	Yes	Switched 'flashing' animation for a one-off colour change with a time delay. There is a one-off stutter when this occurs but feel this is acceptable.	No	No	Refer to line 484 style.css
9	**Mobile layout for menu moves the corresponding viewing pane out of view.**	**Medium**	Bootstrap menu with toggled content pane - layout works fine for larger screens, but when collapsed to singe column (mainly portrait mobiles) the menu is seen but the related toggled pane is out of view - users needs to scroll down to view. Not immediately obvious that menu selection has resulted in anything.	Styling decision. Note that the original design used an accordion drop-down which negated this layout problem. However I switched out the accordion as the collapse / expand was not a smooth scroll and introduced a slight 'wobble' or jump when hovered over but not selected (which also affected the fixed footer.	No	Issue accepted as a design decision.	Poor user experience	Possible alternatives seen which required use of Java Script which would scroll focus to the correct location and return when collapsed.	Refer to line 817 style.css
10	**Sizing of YouTube player on small screens**	**Low**	Embedded YouTube player too large for small screens - not contained within parent / partially off-screen	Not clear - other than simple physical restrictions on small screens.	Partial	Partial fix delivered through additional rule to resize media player (sourced from . https://avexdesigns.com/blog/responsive-youtube-embed) but defect still encountered for small screens after small column break point in portrait mode as iframe expands off-screen and requires a horizontal scroll. Further media query added to simply remove from small to medium breakpoints and instead display an alert message informing user that content can be seen in landscape mode.	Partially	No	Refer to line 824 style.css