

# Web-Technologies: Preliminary Hand-In Report

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## Site Outline:

### General Overview:

Our website is an educational site aiming to provide information about past, present and future space missions (basic details such as where they are going, what (will) they cost, distance covered etc). In addition to this, basic educational information and statistics about the planets of the Solar System will also be provided. The user will be able to query a database of information regarding space missions in order to sort and display data as they see fit. Other features that may be added are: a web crawler that produces the most recent articles regarding a mission / a planet, a user log-in page, accessibility features (colorblind mode / night-time mode).

### State of Preliminary Hand-In:

The page displaying information about each planet is clearly a work in progress. The same can be said for the “Missions Database” page. There are many small issues regarding the consistency of layout for each page when windows are resized. There have been some issues with the W3C validator: it occasionally bans images, possibly due to their sizes. Additionally, some CSS files have inexplicably stopped working for no apparent reason, but work when they are re-named (are these also being banned by the validator?)

### Marking Criteria:

- 1) **HTML: B** – pages done so far feel good, but can probably be improved / fine-tuned
- 2) **CSS: B** – same as above: redundancies exist within stylesheets, and still errors to fix
- 3) **JS: C** – scripts written so far have not been massively complex or long
- 4) **PNG: A** – all GIF images on Planet Index page were created by hand using GIMP (produced a transparent stencil of the planet name, and edited high-resolution NASA photos to create looping planet backdrops which were rendered as a scrolling video using video software. This video clip was then exported as a series of frames, which were then imported back into GIMP, placed behind the stencil, and then exported as a GIF)
- 5) **SVG: X** – yet to use: seems strange to have a specific marking criteria on the use of a specific piece of software (Inkscape?)
- 6) **Server: X** – yet to do any server-side work.
- 7) **Database: X** – yet to implement a database, but database feature is planned
- 8) **Dynamic Pages: X/C** – not sure if this falls under “dynamic pages” category, but the planet\_page.html page shows a picture that is dynamically set depending on what the user clicks on page1.html. This is achieved using JS.