

COMP20030 Web Design
Web Design Project - Educational Website
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My web design project is an educational website for our solar system, Sun and planets. The website is called Pluto's Planetarium. The website has four pages: Home page, Sun page, About page and the Planets page.

The Home page has general overview paragraphs for the solar system and the Sun. It also contains sets of pictures of each of the planets. The planets are split into two sets the Terrestrial planets and the Jovian planets. Each image links to the planets page passing in the name of the planet in a PHP variable past by the U.R.L. . When the pictures on this page are hovered over the image is greyed slightly, and a caption of the planet appears.

The Sun page has a paragraph for information, and then a JavaScript controlled slide show that hold the diagrams for the description given in the paragraph. The slides can be changed by either click on the next or previous arrow over the slide show images to move forward or back through the slide show or use the dots that show where in the slide show you are in the slide show but also by clicking a dot skips you to that image. If JavaScript is disabled then the images with all display in a row beside each other with their captions below the picture.

The About page has an information paragraph on the webpage as well as a link to a contact email address.

The planets page uses an SQL database to echo the information on a specific planet. The page knows which planet to display by a PHP variable passed in the U.R.L. called Planet. This is used to find the row in the database table where the planet's information is stored. If the U.R.L. variable is not set the user is redirected to the planets section of the Home page. The web page contains a table of information about the planet, an image of the planet and a paragraph of more details on the planet.

The navBar is a PHP file containing the navigation bar to be included at the top of all the webpages. The navBar has stars as a background image and contains links to all the webpages on the website. The planets are split into two drop downs of Terrestrial and Jovian planets. The navBar will change to be stacked below each other instead of being in a row if the screen size is small.

The FooterNav is a list of navigation links included at the bottom of every web page. There is three columns which float so to be in a row.

Sources of Images

N.A.S.A. website

These images are free for reuse for non-commercial educational purposes.

<https://images.nasa.gov/details-PIA18033.html> - Earth.jpg

<https://images.nasa.gov/details-PIA11245.html> - Mercury.jpg

<https://images.nasa.gov/details-PIA04284.html> - Mars.jpg

<https://images.nasa.gov/details-PIA01544.html> - Venus.jpg

<https://images.nasa.gov/details-PIA00343.html> - Jupiter.jpg

<https://images.nasa.gov/details-PIA02225.html> - Saturn.jpg

https://images.nasa.gov/details-GSFC_20171208_Archive_e000100.html - Uranus.jpg

<https://images.nasa.gov/details-PIA01492.html> - Neptune.jpg

<https://www.nasa.gov/image-feature/goddard/2019/hubble-spots-flock-of-cosmic-ducks> - headerStar.jpg

https://images.nasa.gov/details-GSFC_20171208_Archive_e001936.html - Sun1.jpg

https://www.nasa.gov/images/content/171927main_heliolayers_lg.jpg - Sun2.jpg

<https://images.nasa.gov/details-PIA03149.html> - Sun3.jpg