**Product Designer Role**

A product designer creates user interfaces (screens) based on sets of requirements.  They explore ***many*** possible implementation options and will typically choose the simplest option that meets all of the requirements in a styled manner, otherwise known as ‘branding’.  The style of a user interface is a combination of its look, feel, and ease of use.

The mantra of product designers everywhere is KISS.

<https://www.w3schools.com/howto/default.asp>

Examples of widgets that can be used on a website:

[Tabs](https://www.w3schools.com/howto/howto_js_tabs.asp)

[Dropdowns](https://www.w3schools.com/howto/howto_css_dropdown.asp)

[Accordions](https://www.w3schools.com/howto/howto_js_accordion.asp) (expand with +, contract with -)

[Side Navigation](https://www.w3schools.com/howto/howto_js_sidenav.asp)

[Top Navigation](https://www.w3schools.com/howto/howto_js_topnav.asp)

[Modal Boxes](https://www.w3schools.com/howto/howto_css_modals.asp)

[Progress Bars](https://www.w3schools.com/howto/howto_js_progressbar.asp)

[Parallax](https://www.w3schools.com/howto/howto_css_parallax.asp)

[Login Form](https://www.w3schools.com/howto/howto_css_login_form.asp)

[HTML Includes](https://www.w3schools.com/howto/howto_html_include.asp)

[Google Maps](https://www.w3schools.com/howto/howto_google_maps.asp)

[Range Sliders](https://www.w3schools.com/howto/howto_js_rangeslider.asp)

[Tooltips](https://www.w3schools.com/howto/howto_css_tooltip.asp)

[Slideshow](https://www.w3schools.com/howto/howto_js_slideshow.asp)

[Filter List](https://www.w3schools.com/howto/howto_js_filter_lists.asp)

[Sort List](https://www.w3schools.com/howto/howto_js_sort_list.asp)

<https://www.w3schools.com/howto/howto_website.asp>

how to build a website

**Look at Trends:  Flat, Almost Flat, or Material?**

**Which elements/widgets will be used?**

radio buttons (can only make a single choice.  Choices may be disabled)

check boxes (can make multiple choices.  Choices may be disabled)

text boxes (freeform text)

dropdowns (select box)

buttons (on or off, may be disabled)

sliders

color changers (grids, wheels, RGBA, sliders, etc.)

does it need to be responsive? (adapts to various screen sizes – laptops, tablets, phones.  Perhaps use the mobile-first grid?

animation

Does any element need a tooltip on hover?

**How do we navigate the website?**

Horizontal, Vertical, or Side Bars (left or right?) for navigation (w/hover color change on navigation choice?)

Tabbed Navigation

**What text needs to be added to the interface (if any)?**

**How do we provide help to the avatar maker?**

Modal windows (for help??)

**Choose a Color Library/Scheme/Theme and download the CSS**

**Tutorials:**

HTML5: <https://www.w3schools.com/html/default.asp>

JavaScript: <https://www.w3schools.com/js/default.asp>

CSS: <https://www.w3schools.com/w3css/default.asp>

**Additional Product Design Questions:**

Will there be an Undo option?  Single level or multi-level?

Do we need to store the selections/actions that the avatar creator has chosen for each avatar feature?  How do we do that?

This would mean the avatar is more than just an image (or a sum of its features images) - it is also a list of the features chosen.  How does the list get stored/saved in addition to the image?