

HTML/CSS Course

Learning HTML/CSS through 5 projects over 4x4day weeks:

1. Company Landing Page <https://iwebdc.com/demo/mobicare/>
2. Parallax Website <https://megaone.acrothemes.com/index-product-hotspot.html>
3. Survey Form
http://preview.themeforest.net/item/quote-quotation-or-survey-form-wizard/full_screen_preview/19296301?_ga=2.146276157.869675571.1615995489-19771671.1612511773
4. Technical Documentation Page
https://petstore.swagger.io/?_ga=2.216240790.1219705355.1617187421-1731258676.1617187421#/
5. Photography Portfolio Website
<https://themes.themegoods.com/photography/demo2/home/home-10-masonry-gallery/>

WEEK 1: Project 1

Day 1:

- Setup environment
 - Chrome Browser for Linux:
<https://support.google.com/chrome/a/answer/9025903?hl=en>
 - VSCode: <https://code.visualstudio.com/>
- Create Wireframe (Intro into project breakdowns)
 - [Wireframe.cc | The go-to wireframing tool.](#)
- Create project repository(Into to Github)
 - <https://github.com/>
- Create layout (Intro to HTML/CSS/Grid/Flex)
 - https://www.w3schools.com/html/html_intro.asp
 - <https://www.w3schools.com/tags/default.asp>
 - https://www.w3schools.com/css/css_intro.asp
 - https://tympanus.net/codrops/css_reference/
 - <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
 - <https://css-tricks.com/snippets/css/complete-guide-grid/>
 - https://www.youtube.com/watch?v=qm0lfG1GyZU&ab_channel=GoogleChromeDevelopers

Outcome: By the end of the first day, the student has set up their environment, received their first project, and should have created both a wireframe and initial layout in HTML and CSS.

Day 2:

- Create social + navigation bars
 - <https://webdesign.tutsplus.com/tutorials/how-to-build-a-responsive-navigation-bar-with-flexbox--cms-33535>
 - https://www.youtube.com/watch?v=qSp5C0OOMns&ab_channel=WellExplained
 - <https://fontawesome.com/>
 - <https://www.fontsquirrel.com/matcherator>
 - <https://fonts.google.com/>

- https://tympanus.net/codrops/css_reference/media/
- Reuse of CSS Grid/Flex
- Create landing
 - <https://www.pexels.com/>
 - <https://pixabay.com/>
 - <https://unsplash.com/>
 - <https://michalsnik.github.io/aos/>
 - https://www.w3schools.com/css/css_rwd_images.asp
 - https://www.w3schools.com/howto/howto_js_slideshow.asp
 - Reuse of Github/Flex/Grid

By the end of the second day, the student will have been able to create separate branches for components, and created and test their first 3 components, with mobile responsiveness.

Day 3:

- Create Why section
 - Border radius
 - Reuse of FontAwesome/Grid/Flex
- Create Who section
 - Reuse of Images/Flex/Grid
- Create Services section
 - https://www.w3schools.com/howto/howto_js_portfolio_filter.asp
 - Reuse of Images/Grid/Flex
- Service Description Section
 - Reuse of Images/Grid/Flex
- Counter
 - <https://css-tricks.com/animating-number-counters/>
 - Reuse of FontAwesome/Grid/Flex
- Create Testimonial section
 - <https://owlcarousel2.github.io/OwlCarousel2/>
- Latest News
 - Reuse of Images/Flex/Grid

By the end of the third day, the student will have been introduced to some external CSS/JS, as well as been reinforced with Images/Flex/Grid/FontAwesome/Github

Day 4:

- Get a quote section
 - <https://formspree.io/>
 - Reuse of Images/Flex/Grid
- Branding section
 - Reuse of Owl Carousel/Grid/Flex/images
- Footer
 - Reuse of Grid/Flex/FontAwesome/Images
- Hosting project to Netlify
 - <https://www.netlify.com/>

By the end of the day, the student will have been introduced to FormSpree to handle forms, and Netlify to host. They will have also been reinforced with Grid/Flex/Images/Owl Carousel/Github

WEEK 2: Project 2

Day 1:

- Wireframes
 - Reuse Wireframes
- Initial Repo and files
 - Reuse Github
- Initial Layout
 - Reuse Grid/Flex
 - <https://alvarotrigo.com/fullPage/>

By the end of the day the students will be introduced to fullpage.js, as well as reinforced in Wireframes/Grid/Flex

Day 2:

- Navigation
- Landing
- Slider
 - https://www.w3schools.com/howto/howto_css_modals.asp

By the end of the day the student will be introduced to modals, as well as reinforced in Navigation/Images/Grid/Flex

Day 3:

- Testimonials
- Contact Page
- Host to Netlify

By the end of the day the student will be reinforced with Owl Carousel/Grid/Flex/Images/FontAwesome/Netlify/FormSpree

Day 4:

EXTRA DAY IN CASE CONTENT RUNS OVER

WEEK 3: Projects 3+4

Day 1: **Project 3**

- Wireframing
- Initial Repo + Files
- Initial Layout
- Landing

By the end of the day the student will be reinforced with Grid/Flex/Images/FontAwesome/Wireframes

Day 2:

- About
- Contact
 - Using a google map
- Survey Form
 - https://www.w3schools.com/howto/howto_js_form_steps.asp
- Host to Netlify

By the end of the day the student will be introduced to multi-step forms, and are reinforced with Grid/Flex/Images/FontAwesome/Netlify/FormSpree

Day 3: **Project 4**

- Wireframing
- Initial repo + files
- Layout
- Navigation

By the end of the day the student will be reinforced with wireframing/github/grid/flex/media queries

Day 4:

- Fill out content
- Host to Netlify

By the end of the day the student will be reinforced with Netlify/Grid/Flex

WEEK 4: Project 5

Day 1:

- Wireframing
- Initial repo + files
- Initial layout
- Navigation

By the end of the day the student will be reinforced with wireframing/github/grid/flex/mobile responsiveness

Day 2:

- Landing
- Gallery
 - <https://css-tricks.com/piecing-together-approaches-for-a-css-masonry-layout/>
 - <https://www.smashingmagazine.com/native-css-masonry-layout-css-grid/>
- About

By the end of the day the student will be introduced to masonry, as well as reinforced with Grid/Flex/Images/FontAwesome

Day 3:

- Portfolio Page
- Footer
- Host to netlify

By the end of the day the student will be reinforced with Owl Carousel/Grid/Flex/Images/FontAwesome/Netlify/FormSpree

Day 4:

EXTRA DAY IN CASE CONTENT RUNS OVER

EXTRA RESOURCES FOR STUDENTS TO USE IN THEIR FINAL PROJECTS:

- Fancy Border Radius: [9Elements - Fancy Border Radius Generator](#)
- Box Shadow Generator: [Box Shadow CSS Generator](#)
- Browser Vendor CSS: [Autoprefixer CSS online](#)
- Neumorphism Shadow Generator: [Neumorphism/Soft UI CSS shadow generator](#)
- Github CMD Cheatsheet: [Terminal Cheat Sheet · GitHub](#)