



FULL STACK DEVELOPMENT



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First Program Assignment for Technical Review

Congratulations on making it this far! The next step is to start studying ITC online course and submit your first program assignment for technical review prior to starting on-campus classes. This is the first part of the actual course!

The assignment consists of building the front-end of a website. You will have a number of tasks to accomplish, as detailed in this document. The base code (HTML, CSS, JavaScript) is provided. Please make sure you understand all of the code (line-by-line) in the assignment, as you will have to explain your code to an ITC staff member over live video.

Here we go!

To prepare for the assignment, please watch this video series: <https://frontendmasters.com/bootcamp/>. The video series teaches the fundamentals for front-end development, particularly: HTML, CSS, and JavaScript. Although we encourage you to actively build the projects in the video series, you will not be evaluated on the study material and you do not need to submit it.

After you feel you understood the video class, please download the boilerplate files found in this folder: https://drive.google.com/open?id=1yNUTTF4pMGuKHRP5UbMLpuxcRqd_jpv1

If you face issues opening this file, please contact Jennifer the program manager directly at email: jennifer@itc.tech

Please name the folder as follows: LastName_FirstName_ITCPrecourse (e.g. Doe_Jane_ITCPrecourse). The code may not be shared and must be kept entirely confidential. Moreover, although you may use the internet to look up information, you are not permitted to work with others; all work must be done independently (remember, you're going to have to explain your work).

Good luck



ITC Online Course Assignment Instructions:

Download the base code, and begin your work using your favourite editor or IDE (throughout the program we will primarily be using [Microsoft Visual Studio Code](#), but you are free to use other tools such as WebStorm or Atom). For a quick walkthrough on installing Visual Studio Code, you can watch the operating system-appropriate "Installing Visual Studio Code" video [here](#).

1. In index.html, change the text of the element with id="my-name" from "Israel Tech Challenge Pre-Course" to your full name. Have in mind that no spaces are allowed, so please use hyphens (the dash '-' symbol) to separate words. This is known as kebab-case. Next, add a subtitle below the title. The text of the subtitle should say "ITC Fullstack Development." For the font family of your project, choose a font from Google fonts (<https://fonts.google.com/>) or attach one of your choice to the styles file using *@font-face* rule. Otherwise, add styling of your choosing to the page. Throughout this assignment, please add your code for the styling to the "style.css" file. Also, throughout this assignment, we expect you to make your styling look professional and good.
2. In index.html, remove the "Visit ITC" link. Add a navigation bar at the top of the page. This navigation bar should be fixed to the top, always taking 100% of the width, and no matter if you scroll, it should always be visible. The navigation bar must have three links: "Home", "About", and "Contact". Give the "Home" link a destination of "/". This links to your index.html file. For now, the other links should have a destination of "#". Later, you will give those other links actual destinations. Please add style of your choosing to the navigation bar and links.
3. Please remove the "Instructions" button. Add three clickable elements to your page. Place them anywhere. These three clickable elements should be inside an unordered list as list elements. Each one of this list elements should be clickable. Link one to your LinkedIn account. Link another to your Github account. Link the third to your StackOverflow account. If you don't have accounts for each of those, please create them (www.linkedin.com, github.com, stackoverflow.com). Make sure you have a photo uploaded to your account profile for Github. For styling, use icons from Font Awesome (<https://fontawesome.com/>).
4. Create two new HTML files. Name them "about.html" and "contact.html". Add the same navbar from your home page to each of the new pages you created. Add some basic HTML to each page so that the about page has a title that says "About" and the contact page has a title of "Contact".
5. In your navbar, connect the navbar links to their respective HTML pages. When you click on the links, your browser should display the corresponding HTML page.
6. On the "About" page, create a section that includes the following information: describe why you are interested in coding, your educational and career experiences, and your personal interests. Please style and layout the page as you choose.
7. Add another section below what you created in step 6. In this section, write where you were born and the cities in which you have lived. If you have lived in two cities or less, list two other cities that you want to visit. This section should also contain an embedded Google Map with a marker on the city where you were born.
8. Add two buttons: "Previous" and "Next" below the map. Clicking the "Next" button should change the pointer to the next city listed on your about page (i.e. a city you have lived in or want to visit). When the first of the series of locations is selected, the "Previous" button should disappear, and when the last location is selected, the "Next" button should disappear. Otherwise, both buttons should be visible.

Notes: You are only allowed to use one iframe element.

9. Without deleting the code inside, rename the itcprecourse.js file to "portfolio.js" and make sure your code reflects the change. Have in mind that after changing the file name, all the previous files linked to it should still be linked to it.
10. On the "Contact" page, create a contact form. The form should contain inputs for first name, last name, email, comment. There should be an additional input type where the user can enter additional information in a non text form. Research about different input types, and implement creatively one of them. All fields except the "last name" field should be required.
11. Add a submit button to your form. When the submit button is clicked, the browser's console should neatly display the details entered into the form in the following format: First Name : ___, Last Name: ___, Email: ___, Comment: ___, Your Input: ___. Replace "Your Input" with a name corresponding to what you actually choose to implement.
12. The submit button should not be functional and should look disabled as long as the required fields are not filled in.
13. In portfolio.js, change the value of GITHUB_URL to your Github profile. Then, change the code so that it displays your Github profile picture instead of the ITC Github profile picture. Also, change the text of the element with id="my-name" so that it displays your profile name from your Github account instead of hardcoding your name.
14. On your home page, add functionality to the card containing your profile photo and buttons. When the user hovers over the card, have the card respond with some sort of animation. Trigger a second, more elaborate animation, upon clicking the card.
15. On all of your pages, put a footer at the bottom of the page. The footer should contain the same links as your navbar. It also should contain a sentence saying: "This page was built using: HTML, CSS and JavaScript". The words "HTML", "CSS", "and", "JavaScript" should be stored in an array and generated on the website rather than be "hard-coded". **Create the array in a way that if more languages were added, the code wouldn't need any extra modifications.**

...and you're done!

Check your work, zip it up, [submit it and schedule your technical review](#)! Please ensure you are prepared to explain and answer questions on the code submitted.

Link to submit and schedule review:

<https://app.acuityscheduling.com/schedule.php?owner=12116384&appointmentType=1155132>

Remember the review must be completed AND PASSED no later than October 1st, 2020.

Looking forward to hearing from you!

