

# Web Programming: Assignment 1

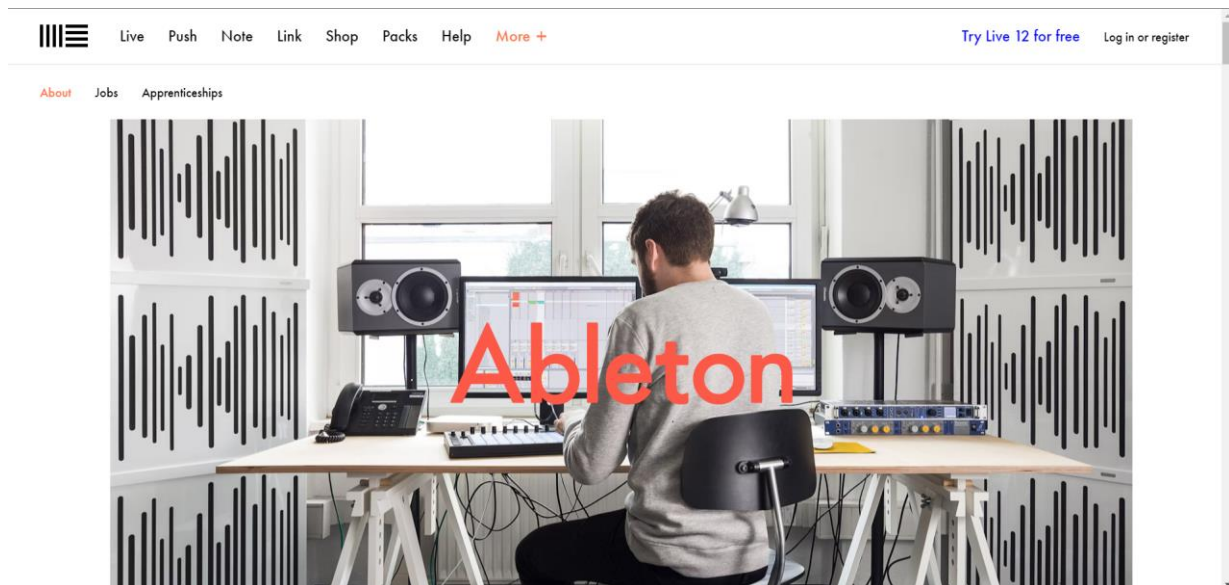
## Instructions:

- The aim of this assignment is to give you an initial hands-on regarding CSS and HTML.
- Any copying from the internet or peers is strictly prohibited and will lead to severe penalties.
- Upload your coding assignments on 'Git' and share the link along with your source code files on GCR.
- Submit your files with proper numbering of questions on GCR.

## Question no 1

Design a cross-browser compatible, responsive web layout like the one shown in the image using CSS. Detail the steps and CSS code necessary to ensure that the website adjusts seamlessly across different devices and browsers. Provide examples of CSS code for responsive design, especially for elements like the navigation bar and main content area. Ensure all CSS is included in an external file named 'style.css'.

(courtesy: <https://www.ableton.com/en/about/>)



*Fig 1: Desktop screen layout*



*Fig 2: Mobile screen layout*

## Question no 2

Develop a web form for job applications. The form should collect necessary information from applicants and include validation to ensure accurate data submission. Additionally, at the end of the web page, there should be a button that, when clicked, transforms the submitted application data into a table format for easy review

1. Design a web form using HTML and CSS for collecting job application information.

Include fields for the applicant's:

### 1.1.1 Personal Information:

#### 1.1.2 Full Name (First Name, Last Name)

#### 1.1.3 Contact Information (Phone Number, Email Address)

#### 1.1.4 Address (Street, City, State, ZIP Code)

### 1.2 Resume and Cover Letter

#### 1.2.1 Upload Resume (File Upload)

#### 1.2.2 Cover Letter (Text area)

### 1.3 Education

#### 1.3.1 Highest Level of Education Attained

- 1.3.2 Name of School/University
- 1.3.3 Major/Area of Study
- 1.3.4 Graduation Year
- 1.3.5 Employment History
- 1.4 Previous Job Titles
  - 1.4.1 Company Names
  - 1.4.2 Employment Dates
  - 1.4.3 Job Responsibilities
- 1.5 Skills: Relevant Skills (e.g., programming languages, software proficiency) ·  
Certifications
- 1.6 Availability
  - 1.6.1 Start Date
  - 1.6.2 Willingness to Relocate
  - 1.6.3 Preferred Work Schedule
- 1.7 References
  - 1.7.1 Reference Name
  - 1.7.2 Reference Contact Information
  - 1.7.3 Relationship to Applicant
- 1.8 Additional Questions
  - 1.8.1 Why do you want to work for this company?
- 1.9 Consent and Agreement
  - 1.9.1 Checkbox for agreeing to terms and conditions
  - 1.9.2 Privacy Policy acknowledgment
- 2. Implement client-side validation using JavaScript to ensure that required fields are filled out correctly (e.g., email format validation, phone number format validation).
- 3. When all required fields are filled out correctly and the user clicks the submit button, only then the data should be processed and stored. You can simulate this process by logging the data to the console.
- 4. At the end of the web page, include a button labeled "View Applications as Table" or similar. When clicked, this button should transform the submitted application data into a table format.
- 5. The table should display all submitted applications in rows, with each column representing different fields (e.g., Name, Email, Phone Number, Resume, Cover Letter).

**Ensure that the table is responsive and looks good on different screen sizes. You can use HTML, CSS, and JavaScript to accomplish this task. Feel free to use any additional libraries, if necessary.**