**CSC443: Web Programming Report**

**Overview:**

The Job Finder Website is a modern and user-friendly platform designed to bridge the gap between job seekers and employers. It enables job seekers to browse job openings, apply for positions, and save jobs, while employers can post job listings and manage applications. The platform is built with a responsive design, ensuring seamless navigation across devices.

**Key Features:**

* **User Authentication:** Register and log in as a job seeker or employer.
* **Job Listings:** Browse, filter, and view detailed job postings.
* **Job Application:** Apply for jobs with a simple and intuitive interface.
* **Company Profiles:** View company details and job postings.
* **User Dashboard:** Manage saved jobs, applications, and posted jobs.
* **Interactive Elements:** Dynamic job loading, job search, and responsive navigation.

**2) Technology Stack**

* **HTML5** – Structured with semantic elements for readability and accessibility.
* **CSS & Bootstrap** – Provides a responsive and consistent design.
* **JavaScript (JS)** – Enhances interactivity and dynamic content updates.

**3) Website Pages and Features**

The website consists of **10 HTML pages**, each fulfilling a distinct purpose:

1. **Home Page (index.html)** – Displays featured job listings and top companies.
2. **Contact Us (contact.html)** – Provides a form for users to submit inquiries.
3. **Login Page (login.html)** – Allows users to securely log into their accounts.
4. **Register Page (register.html)** – Enables users to create an account.
5. **Post a Job (post-job.html)** – Employers can submit job postings.
6. **Jobs Page (jobs.html)** – Lists available jobs with filtering options.
7. **Job Details (job-details.html)** – Shows detailed information about a selected job.
8. **Companies Page (companies.html)** – Lists companies and their job openings.
9. **Apply to Job (apply.html)** – Provides an application form for job seekers.
10. **About Us (about.html)** – Explains the mission and purpose of the platform.

**Navigation & Interaction**

* The **navbar and footer** are consistent across all pages for easy navigation.
* **Forms include client-side validation** to ensure correct input.
* **Dynamic content loading** eliminates the need for static job and company listings.

**4) Interactive Features (JavaScript Functionality)**

**1) Dynamic Job Listings Rendering**

* Featured jobs are loaded dynamically from a **JavaScript array (jobOpenings)**.
* Each job card is **created dynamically** and appended to the homepage.

**2) Dynamic Company Listings**

* Top companies are displayed using a **predefined JavaScript array**.
* Company profiles are generated dynamically and listed under the **Companies Page**.

**3) Job Search & Filtering**

* Users can **search for companies** via a search form.
* The company list updates dynamically based on the search input.

**4) User Role-Based UI Customization**

* If the user is a **job seeker**, the "Posted Jobs" section is hidden.
* If the user is an **employer**, the "Saved Jobs" and "Applied Jobs" sections are hidden.

**5) Dynamic Job Details Page**

* When a user clicks on a job, the **job index is extracted from the URL**.
* The job details page dynamically updates to show the correct job.
* If an invalid job is selected, an error message is displayed.

**6) "Apply Now" Button Functionality**

* Clicking **"Apply Now"** redirects the user to the **job details page** for the selected job.

**5) Accessibility & Documentation**

* **Semantic HTML** ensures proper structure and readability.
* **Alt text** is provided for images to improve accessibility.
* **Code comments** explain key sections in HTML, CSS, and JavaScript.