ooxWord://word/media/image1.jpegooxWord://word/media/image3.jpeg**Developing Websites for Accessibility Getting Started: 201**

**Skills required:**

• HTML

• CSS

• Javascript

**Instructions:**

• Develop the User Interface using **HTML, CSS, Javascript** (and if needed,

JQuery). Use proper semantic markup to write HTML.

• Code validation should be done for the following:

o HTML [(https://validator.w3.org/](https://validator.w3.org/) )

o CSS [(http://csslint.net/](http://csslint.net/) )

o Javascript [(http://jshint.com/](http://jshint.com/) )

• The entire web page should be compatible with **WCAG 2.1 Level-AA (this**

**makes it ADA compliant website).**

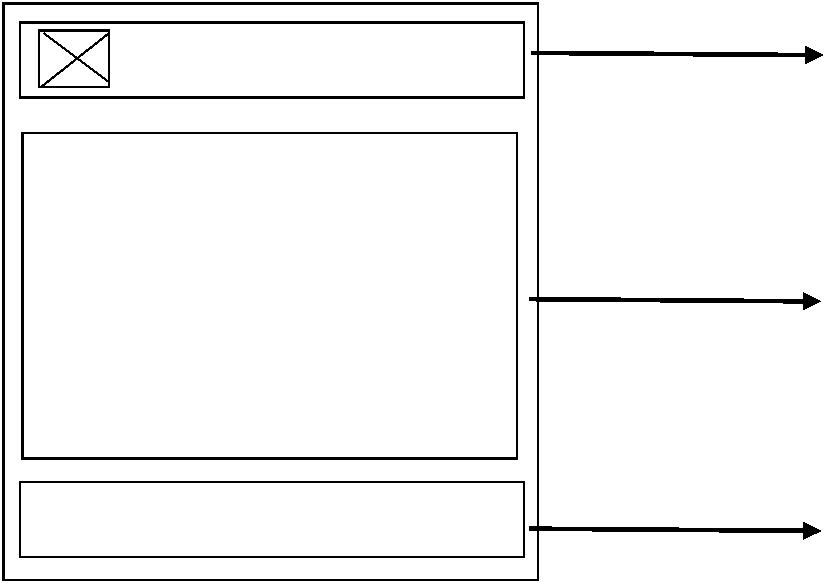
Web accessbility guidelines - <https://www.w3.org/TR/WCAG21/>

• Minify the CSS and JS code.

• Web pages should be adaptable and compatible with IE9, and latest version of:

Chrome, Firefox, MS Edge. Deliverables must also be responsive with all the

mobile devices.

ooxWord://word/media/image5.jpegooxWord://word/media/image7.jpeg**What to implement**

**Requirement 1**:

Create the web pages which includes the following:

• Landing page (Home page)

o The landing page contains the header which contains logo, search bar

and the navigation, page content and the footer.

o The page content should contain 1 video, an image and sample content.

• About Us page

o About us inherits the header and footer.

o Page content has some sample content with an audio.

• Contact

o Contact page inherits the header and footer.

o Page content should have the contact information and a simple form.

Home About-Us Contact Header – logo, searchbar, navigation

links

Page content – Sample page content

Footer – Footer links, copyright

information

**Requirement 2:**

Compliance with WCAG 2.1 Level-AA

**Checklist:**

|  |  |  |
| --- | --- | --- |
| 1 | **Standards, Conventions and Best Practices** | |
|  | 1.1 | Ensure the guidelines are followed:  <https://www.w3.org/TR/WCAG21/> |
|  | 1.2 | Ensure proper folder and module structures, use a meaningful content to convey meaningful information for the screen readers. |
|  | 1.3 | Ensure proper usage of coding standards and guidelines.  <https://www.w3schools.com/htmL/html5_syntax.asp> |
|  | 1.4 | Color contrast analyzer tool should be used to check the contrast ratio.  <https://www.w3docs.com/tools/color-analyzer> |
| 2 | **UI, Testing** | |
|  | 2.1 | Application should be tested using any screen reader  [Chrome Vox Chrome extension](https://chrome.google.com/webstore/detail/screen-reader/)  [NVDA](https://www.microsoft.com/en-in/p/nvda-nonvisual-desktop-access/9nvl6z0tm57d?activetab=pivot:overviewtab) |
|  | 2.2 | Ensure that the application is used by all the users including the people with disabilities. |
|  | 2.3 | Ensure the application has properly followed the [WCAG guidelines](https://www.w3.org/TR/WCAG21/). |
|  | 2.4 | Application should be compatible in major browsers and responsive in mobile devices. |
|  | 2.5 | Use of Unit testing frameworks is a plus. |

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**Revision History**

Please keep the latest version on top

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Ver | Change Description | Sections | Date | Author | Reviewer | Approver |
| 1.0 | Initial Draft |  | 03-Jan-2022 | Komala Reddy |  |  |

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