**Technology Requirements Specifications:**

System must be secure so no unauthorized users can edit the website

Admins must have access to editing properties of the website

Must be easy to manage and maneuver

Must make website as ADA compliant as possible (At least 85% ADA compliant)

No dead code

**Front End/Back End**

* Languages used will be HTML, CSS, JavaScript, PHP, and SQL.
* Will use a combination of frameworks, including Bootstrap and XAMPP.
* These choices are made from personal familiarity with these technologies, the packaged deployment of what’s included in XAMPP, and taking into consideration it’s all free.
* Data will be sent to/from via JSON for its simplicity and readability.

**Database**

* Will be using MariaDB because it’s already packaged into XAMPP.
* To be able to edit and retrieve bio profiles, information will be kept in the database.
* To be able to sign in as admin, credentials will be kept in the database as well. This table will be hashed for security.
* When signed in, a form option will appear on the page to be able to query, delete, edit and add records to the database (for bio info).

**Hosting/Source**

* We will be using AWS as our website hosting service
* As a cloud provider Amazon provides reliability
* Amazon also provides some security through private repositories
* Amazon has affordable and scalable pricing
* Fast and easy
* Compatible with Git resources