Industry Partner Database – Requirements

**Technical Requirements & Specifications (Programmer Perspective)**

Web page (Web Form) Requirements

* HTML 5
* CSS 3
* JavaScript

Server Requirements

* php 7.4

Database Requirements

* MariaDB 10.4.14
* MySQL
* InnoDB with character set is utf8mb4
* Apache 2.4.6

**Non-Technical Requirements (User Perspective)**

Operating System Requirements (Desktop)

* Windows 7 or later
* Mac OS X Mavericks or later
* 64 bit Ubuntu 14.04 or later
* Fedora Linux 24 or later
* Debian 8 or later

Operating System Requirements (Mobile)

* Android 5 (Lolipop) or later
* iOS 9 or later

Web Browser Requirements (Desktop)

* Google Chrome 76 or later
* Safari 9 or later
* Firefox 83 or later
* Microsoft Edge 17 or later

Web Browser Requirements (Mobile)

* Google Chrome 86 or later
* iOS Safari 9 or later
* Android WebView : Chromium 81 or later
* Samsung Internet 12.0 or later

Feature Requirements

* Cross-browser compatibility
* Mobile responsiveness
* Multiple time zone support
* Search, Export, Help features
* Duplicate entry detection
* Client-side and Server-side form validation

**Deliverables**

Electronic Deliverables (Virtual)

* User Manual (Help Feature on webpage)
* Web Form (HTML, CSS, JS)
* Server Files (php)
* Dynamic Webpage (HTML & php)
* Database (MySQL & phpMyAdmin)

Physical Deliverables

* Training Manual for Programming

Code Requirements (Project’s Core value)

* No external libraries should be used
* All functions and modules must be created from scratch and by only using the programming languages listed in the Technical Specifications