**Statement of Work (SoW)**

**Data Forge LLC.**

**4601 Mid Rivers Mall Driver**

**Cottleville, MO 63376**

**June 23, 2023**

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**Table of Contents**

[**Introduction/Background:**](#_3squkpnxb3hz) **3**

[**Scope of Work:**](#_eoalmc1x3ryf) **3**

[**Place of Performance:**](#_klggh4jyovhi) **4**

[**Work Requirements:**](#_3dx5plrntw7) **4**

[**Schedule/Milestones:**](#_2m2mudvfcsc7) **5**

[**Acceptance Criteria:**](#_bxu8b0bg4gh1) **5**

[**Other Requirements:**](#_b89bweu9er15) **5**

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# **Introduction/Background:**

In today's digital age, where online security plays a paramount role in our lives, it's crucial to have a reliable and convenient solution to manage our passwords effectively. That's why we are thrilled to present Code Crate, an innovative web application designed to safeguard your passwords with utmost security and convenience.

Code Crate is more than just a password manager; it's your virtual vault, a trusted companion that ensures your sensitive information remains protected at all times. With its robust encryption protocols and user-friendly interface, Code Crate provides a seamless experience for organizing, storing, and retrieving your passwords securely.

# **Scope of Work:**

1. Features and Functionality:
   1. Services will be written in C# while using a .NET Framework
   2. User Registration and Authentication:
      1. Design and implement a user registration and authentication system with a secure password encryption techniques
   3. Credential Storage and Encryption:
      1. Server side will be created with C#
      2. Develop a secure database or storage system to store user credentials.
      3. Implement encryption techniques to protect stored credentials from unauthorized access.
2. User Interface:
   1. Client side will be created with HTML/Blazor
   2. Design an intuitive and user-friendly interface for users to manage their credentials.
   3. Enable users to create, read, update, and delete their credentials
3. Quality Assurance and Test:
   1. Conduct testing to identify and fix any vulnerabilities or bugs.
   2. Perform security testing, including penetration testing and vulnerability assessments.
4. Maintenance:
   1. Offer ongoing maintenance and support, including bug fixes, updates, and security patches.

**Period of Performance:**

Start Date: June 12, 2023

End Date: August 1, 2023

Roughly 6 Weeks will be the allotted time to complete this project from design to full working servers on local machines.

# **Place of Performance:**

Work will be completed at a personal remote workspace on a secured network connection.

# **Work Requirements:**

* Human Resources:
  + Developers with Coding Experience and communication skills.
    - Minimum 1 developers with SQL Experience.
    - Minimum 1 developers with HTML Experience.
    - Minimum 1 developers with C# Experience.
    - Minimum 1 developers with Blazor Experience.
  + Project Manager with at least 8 months experience managing Software development.
* Physical resources:
  + Computers or laptops
  + Microphone
  + Webcam
  + Secured internet connection
* Software/licenses:
  + GitHub
  + Visual Studio/Visual Studio Code
  + Microsoft Office 365
  + SQL Server Management Studio
* Communication tools:
  + Canvas
  + Microsoft Teams
  + Zoom

# **Schedule/Milestones:**

06/17/23 - Begin working, brainstorming and teambuilding

07/07/23 - Complete basic database for storage, API Implementation, and front end designing

07/21/23 - Implement security measures and data submission from Client to server and back

08/01/23 - Beta Testing, Deployment and project completion

# **Acceptance Criteria:**

1. A user is able to Apply new items to their Code Crate account with Site, Username, and password.
2. A user can see all saved sites in the repository that they have added.
3. A user is able to recall login information from the desired site.

**Other Requirements:**

1. A user is able to register and login in with security.
2. A user can log out of their account and access is no longer permitted to stored information.

**Acceptance:**

Approved by:

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<Faculty Name>

<Faculty Title>