Use Case Document

Code Crate

# Data Forge LLC.

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# Introduction

The purpose of this document is to catalog existing scenarios for user interaction. The contents of this document are subject to change.

# Explanation of Use Case Contents

Within each spreadsheet are the details for expected behavior in ideal conditions. These use cases have been used to dictate how the software should be programmed.

# Use Cases

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| **Name of Use Case:** | User Account Creation | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | C. Clawson |
| **Date Created:** | 07/16/23 | | **Last Revision Date:** | 07/16/23 |
| **Description:** | | User creates an account | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Pre-conditions:** | | 1. Code Crate server is running 2. Code Crate front-end is publicly accessible | | |
| **Post-conditions:** | | 1. User account credentials are stored in the database 2. User has confirmed the entered email account as belonging to them. | | |
| **Flow:** | | 1. User visits the Code Crate front page 2. user clicks on the “Register” button 3. User enters a username, password, and email into the relevant accounts 4. Server receives the data provided by the user and logs it into the database | | |
| **Alternative Flows:** | | The above process is the only way the user can create an account per service policy | | |
| **Exceptions:** | | The above process is the only way the user can create an account. Customer service policy prohibits account creation via direct access to the back-end. | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet | | |

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| **Name of Use Case:** | User Sign in | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User to sign in to their individual account | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | 1. Code Crate server is running 2. has successfully registered an account | | |
| **Post-conditions:** | | User has successfully signed in | | |
| **Flow:** | | 1. User visits the Code Crate front page 2. User enters their username and password into the relevant accounts 3. user clicks on the “Sign In” button 4. Server receives the data provided by the user and checks it against the database 5. Server confirms account 6. Server redirects user to the main page | | |
| **Alternative Flows:** | | The above process is the only way the user can access the main page of the application | | |
| **Exceptions:** | | 1. If the user has not registered 2. if either the username or password are mistyped | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. user has registered an account with Code Crate | | |

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| **Name of Use Case:** | User Account Adding Services | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User set up new service to store internally | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | Code Crate server is running  User able to successfully sign in | | |
| **Post-conditions:** | | 1. Service saved 2. User able to copy password saved | | |
| **Flow:** | | 1. User is on main page after logging in 2. At top left, user clicks the “+ New” button 3. User enters the information into each field    1. Application is the name of the service being registered    2. Username is the username used in the application    3. Password is the password used in the application       1. If you have yet to set a password, you can generate one in the below field by selecting the desired parameters. 4. Verify information is correct. Can use the “Eye” Icon button to toggle the password field to show. 5. User clicks the “Save” button | | |
| **Alternative Flows:** | | The above process is the only way the user can save services to their account per service policy | | |
| **Exceptions:** | | N/A | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. User has registered with Code Crate 5. User is able to sign in to their account on Code Crate | | |

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| **Name of Use Case:** | User Editing Services | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User Edits saved information | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | * Code Crate server is running * User able to successfully sign in * User has service saved in their account | | |
| **Post-conditions:** | | User is able to update saved service information | | |
| **Flow:** | | 1. User is on main page after logging in 2. User clicks on the “Pencil” Icon Button 3. User checks each field, updating any information that is incorrect    1. User can click the “Eye” Icon button to toggle the password field to be visible. 4. User clicks the “Save” button | | |
| **Alternative Flows:** | | User could delete the service, then re-add it in with the updated information | | |
| **Exceptions:** | | N/A | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. User has registered with Code Crate 5. User is able to sign in to their account on Code Crate 6. User has previously added a services to their account | | |

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| **Name of Use Case:** | User Deleting Services | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User removes saved information | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | * Code Crate server is running * User able to successfully sign in * User has service saved in their account | | |
| **Post-conditions:** | | User is able to completely remove a saved service from their account | | |
| **Flow:** | | 1. User is on main page after logging in 2. User clicks on the “Trash Bin” Icon Button 3. User clicks on the red “Delete” to confirm    1. Clicking the “Cancel” button aborts the deletion | | |
| **Alternative Flows:** | | The above process is the only way to remove a service from the account | | |
| **Exceptions:** | | N/A | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. User has registered with Code Crate 5. User is able to sign in to their account on Code Crate 6. User has previously added a services to their account | | |

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| **Name of Use Case:** | User Copying Data | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User Copies data from table for ease of use | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | * Code Crate server is running * User able to successfully sign in * User has service saved in their account | | |
| **Post-conditions:** | | User is able to copy saved data to the machines temporary clipboard | | |
| **Flow:** | | 1. User is on main page after logging in 2. User clicks on the “Clipboard” Icon button before the field the want to copy, Username or Password 3. Data is now copied to the temporary system clipboard, and can be pasted until new information is copied. | | |
| **Alternative Flows:** | | Both Username and Password Data can be selected and copied via the edit function, only the Username can be selected and manually copied from the main page | | |
| **Exceptions:** | | N/A | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. User has registered with Code Crate 5. User is able to sign in to their account on Code Crate 6. User has previously added a services to their account | | |

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| **Name of Use Case:** | User Sign Out | | | |
| **Created By:** | Data Forge LLC. | | **Last Updated By:** | R. Schoonover |
| **Date Created:** | 07/21/23 | | **Last Revision Date:** | 07/21/23 |
| **Description:** | | User signs out of account | | |
| **Actors:** | | Code Crate user, Code Crate software, Datacenter | | |
| **Preconditions:** | | * Code Crate server is running * User able to successfully sign in | | |
| **Post-conditions:** | | User is logged out so information can no longer be accessed by the local device | | |
| **Flow:** | | 1. User is on main page after logging in 2. User clicks the “Sign Out” button | | |
| **Alternative Flows:** | | Sign out can occur via a session timeout | | |
| **Exceptions:** | | N/A | | |
| **Requirements:** | | The following requirements must be met before execution of the use case   1. User can access the front end web page for Code Crate through a modern web browser 2. Code Crate software must be installed to a compatible server 3. Server hosting the Code Crate software must have its front-end accessible via the internet 4. User has registered with Code Crate 5. User is able to sign in to their account on Code Crate | | |

Sponsor Acceptance

Approved by the Project Sponsor:

Date:

<Project Sponsor>

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