|  |  |
| --- | --- |
| ***Commfluence v1.0*** | ***Functional Specification*** |

# Detailed Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | CreateProject.js | | |
| **Prepared by** | Jacob Hanson | **Date Prepared** | 10/17/2022 |
| **Effort Level** | Low | **Risk Level** | Low |
| **Executive Summary** | This functional specification describes the CreateProject.jsx | | |

# APPROVERS/REVIEWERS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Functional Reviewer** | **Functional Review Date** | **Technical Reviewer** | **Technical Review Date** |
| 1.0 | Jacob Hanson | 4/25/2024 |  |  |
|  |  |  |  |  |

Note: Once this design is approved, any changes made must go through the Change Management process.

# Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Release Date** | **Author(s)** | **Summary of Changes** |
| 1.0 | 4/25/2024 |  | Jacob Hanson | Document Creation |
| 1.1 | 4/29/2024 |  | Jacob Hanson | Document Completion |
|  |  |  |  |  |

# Summary

The CreateProject component facilitates the creation of new projects within the application environment. Leveraging user authentication and Fire store integration, users can initiate new projects seamlessly. Key functionalities encompass:

# Solution Overview

Project Creation

* **Project Creation Interface:** Users are presented with a user-friendly interface featuring a button to initiate the project creation process.
* **Popup Integration:** Upon clicking the "Create New Project" button, users are presented with a popup window, allowing them to input the project name and confirm project creation.
* **User Authentication:** User authentication is enforced to ensure that only authenticated users can create projects, providing a secure environment for project management.
* **Firestore Integration:** Projects are persisted in Firestore, with each project being associated with the user who created it.

Solution Description

* **CreateProject Component:** The primary React component responsible for rendering the project creation interface and managing user interactions.
* **CreateProjectPopup Component:** A popup component integrated within CreateProject, facilitating project name input and confirmation.
* **AuthContext Integration:** Utilizes the useAuth hook from the AuthContext to retrieve the current authenticated user.
* **Button Element:** Initiates the project creation process when clicked, triggering the display of the CreateProjectPopup component.

# Screenshot:

(can add screenshot)

# Security Considerations

NA

# Functional Test Requirements

|  |  |
| --- | --- |
| **Test Step** | **Planned Results** |
| Click on the "Create New Project" button. | The CreateProject component should be rendered, displaying a user-friendly interface for project creation. |
| Verify if the popup window appears upon button click. | Upon clicking the "Create New Project" button, a popup window should appear, allowing users to input the project name and confirm project creation. |
| Ensure only authenticated users can create projects. | If the user is not authenticated, attempting to create a project should result in an error or a redirect to the login page to authenticate first. |
| Verify if projects are persisted in Firestore. | After project creation, the project data should be stored securely in Firestore, ensuring that projects are persisted in the cloud database. |
| Check if each project is associated with the creator. | Each project created should be associated with the user who initiated the creation process, ensuring proper attribution and management. |
| Test the integration of CreateProjectPopup component. | The CreateProjectPopup component should seamlessly integrate with CreateProject, facilitating project name input and confirmation within the popup window. |
| Verify if project creation is triggered upon button click. | Clicking the button element should initiate the project creation process, triggering the display of the CreateProjectPopup component for project name input and confirmation. |

# Appendix A: Terminology

|  |
| --- |
| **Terminology** |
| Effort Level – level of effort includes both development and testing efforts and generally defined as follows   * Low (1-16 hours) * Medium (17-40 hours) * High (40+ hours)   Risk level – level of risk takes into account both technical risk as well as impact to business users and generally defined as follows   * Low (No risk to business and little or no technical issues) * Medium (Minimal impact to business and/or some technical risk) * High (Potentially large impact to business and/or considerable technical risk requiring off-hours transports such as structure or table changes)   Type of Development/Request – Development/request types are separated into three main areas as below   * + New (new development of technical object)   + Enhancement (change to existing technical objects due to new requirements)   + Defect (change to existing technical objects due to break-fix)   + Configuration-only (change does not require corresponding TS) |