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

# Detailed Requirements

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| **Title** | ProjectViewer.js | | |
| **Prepared by** | Jacob Hanson | **Date Prepared** | 04/25/2024 |
| **Effort Level** | Low | **Risk Level** | Low |
| **Executive Summary** | This functional specification describes the ProjectViewer.jsx | | |

# APPROVERS/REVIEWERS

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| **Version** | **Functional Reviewer** | **Functional Review Date** | **Technical Reviewer** | **Technical Review Date** |
| 1.0 | Jacob Hanson | 4/25/2024 |  |  |
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Note: Once this design is approved, any changes made must go through the Change Management process.

# Revision History

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| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Release Date** | **Author(s)** | **Summary of Changes** |
| 1.0 | 4/25/2024 |  | Jacob Hanson | Document Creation |
| 1.1 | 5/1/2024 |  | Jacob Hanson | Document Completion |
|  |  |  |  |  |

# Summary

The ProjectViewer component provides users with a comprehensive view of project documents within the application. Leveraging Firestore integration, it allows users to access, create, and delete documents associated with a specific project.

# Solution Overview

Document Management

• Document Listing: Users can view a list of documents associated with the selected project.

• Document Navigation: Clicking on a document opens it for viewing or editing.

• Document Creation: Users can create new documents within the project.

• Project Deletion: Provides functionality to delete the current project and its associated documents.

Solution Description

• ProjectViewer Component: The primary React component responsible for rendering the project viewer interface and managing user interactions.

• Document Retrieval: Utilizes Firestore functions to fetch documents associated with the current project. • Document Navigation: Allows users to navigate to individual documents for viewing or editing.

• Document Creation: Implements functionality for creating new documents within the project.

• Project Deletion: Provides a mechanism to delete the current project and its associated documents from Firestore.

# Screenshot:

(can add screenshot)

# Security Considerations

NA

# Functional Test Requirements

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| **Test Step** | **Planned Results** |
| Open the application and navigate to the project page. | The project page should be displayed, showing a comprehensive view of project documents and options for document management. |
| Verify if the list of documents associated with the selected project is displayed. | Upon loading the ProjectViewer component, the list of documents associated with the selected project should be fetched from Firestore and displayed to the user. |
| Click on a document from the list. | Clicking on a document should open it for viewing or editing, allowing users to interact with its content as needed. |
| Verify if the user can navigate to individual documents. | Users should be able to navigate to individual documents within the project, enabling efficient management and access to document content. |
| Test the functionality to create new documents. | Users should be able to create new documents within the project, providing a seamless experience for document creation and management. |
| Ensure the mechanism for project deletion is functional. | The component should provide functionality to delete the current project and its associated documents from Firestore, ensuring proper cleanup and management. |
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# Appendix A: Terminology

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| **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) |