1. User register

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | Username | varchar | Y | User name |  |
| Input Parameter | Password | varchar | Y | Login password |  |
|  | UserID | bigint | Y | User ID | Given by system |

return Register\_time (register successfully)

1. User login

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | Username | varchar | Y | User name | To find UserID |
| Input Parameter | UserID | bigint | Y | User ID |  |
| Input Parameter | Password | varchar | Y | Login password |  |

return success (login successfully)

1. Find Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | User ID |  |
| Input Parameter | Project\_name | varchar | Y | Project name |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |

Return success (find project and show to user))

1. Find Document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | UserID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | DocumentID | bigint | Y | Document ID |  |

Return success (find document and show to user)

1. Add member to a project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | UserID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | MemberID | bigint | Y | Users who not in the project |  |

Return success (find memberID and put in the project)

1. Assign tasks

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | MemberID | bigint | Y | Users who need to accept tasks |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | DocumentID | bigint | Y | Assigned Document ID |  |

Find the assigned file and user, and display the update in the user account

1. Add label

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | Create User ID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | DocumentID | bigint | Y | Document ID |  |
| Input Parameter | LabelID | bigint | Y | Label ID |  |
| Input Parameter | Label\_content | varchar | Y | Label content |  |
| Input Parameter | Text\_color | varchar | Y | Text color |  |
|  | Update\_time | Datetime | Y | Update time |  |
|  | Document\_status | varchar | Y | Document status | Status-add |

Add comments to the file and update the file status and change time

1. Delete label

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | Create User ID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | DocumentID | bigint | Y | Document ID |  |
| Input Parameter | LabelID | bigint | Y | Label ID |  |
|  | Update\_time | Datetime | Y | Update time |  |
|  | Document\_status | varchar | Y | Document status | Status-delete |

Delete label and update the file status and change time

1. Set permission

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | User ID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | Permission \_name | varchar | Y | Permission name | Administrator, examiner  or ordinary user |
| Input Parameter | PermissionID | bigint | Y | Permission ID |  |

Return success (user is already in the project and set role successfully)

1. Approval

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Field name | Type | Must | Explain | Remarks |
| Input Parameter | UserID | bigint | Y | User ID |  |
| Input Parameter | ProjectID | bigint | Y | Project ID |  |
| Input Parameter | DocumentID | bigint | Y | Document ID |  |
| Input Parameter | LabelID | bigint | Y | Label ID |  |
| Input Parameter | ExaminerID | bigint | Y | Examiner ID | Examiner in the project |
| Input Parameter | Label\_status | varchar | Y | Label status | Passed or rejected |

Users receive feedback messages (whether the labels or documents are passed or not)