**4. Use Case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case: Interactions between 4 panes in the main window | Risk Level: low | | Priority: High | ID:3 |
| Primary Actor​: a user | | Frequency of Use: High | | |
| Goal: Content Display successfully in the each of 4 panes | | | | |
| Scope and Level: System (black-box), level high | | | | |
| Stakeholders and interests: a user | | | | |
| Description | | | Content display in the each of 4 panes | |
| Precondition | | | Main window successfully pops up and some furniture models in the catalog | |
| Success | | | The attributes of selected furniture display currently, they place in the plan and 3D view | |
| Failed | | | Attributes of selected furniture are missing | |
| Trigger | | | After the main window pops up | |
| Flow | | | 1. User start the application.  2. Select some models in the furniture catalog and drag and drop them into the plan pane.  3. User should see the furniture draw simultaneously in the furniture list, in the plan and in the 3D view.  4. Add more attribute columns in the furniture list pane. | |
| Alternate Flow/ Sub-variation: not any | | | | |
| (Extends/Includes): not any | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Use case: Search a furniture in the furniture catalog pane | | | | | | | | Risk Level: low | Priority: low | ID: 4 |
| Primary Actor​: a user | | | | | | | Frequency of Use: High | | | |
| Goal: name of furniture with input keyword display | | | | | | | | | | |
| Scope and Level: System (black-box), level high | | | | | | | | | | |
| Stakeholders and interests: a user | | | | | | | | | | |
| Description | | | | | User inputs some keywords in the search field, find the specific furniture | | | | | |
| Precondition | | | | | | Main window successfully pops up and some furniture exist in the furniture catalog | | | | |
| Success | | | | Successfully find the desired furniture in the catalogue pane | | | | | | |
| Failed | | Search results does not display the furniture that expect to be some exist | | | | | | | | |
| Trigger | | | Click preference and change display mode of furniture catalog pane | | | | | | | |
| Flow | 1. Input keywords in the search field.  2. the furniture of name matching the keywords would Display | | | | | | | | | |
| Alternate Flow/ Sub-variation: not any | | | | | | | | | | |
| (Extends/Includes): not any | | | | | | | | | | |