Ticket Management System

Naming Conventions In Ignition Perspective

|  |
| --- |
| Project Name: |
| Ticket Management System |
| End Customer Name: |
| HMIL |
| Document No: |
| ICP-FDS-PR1702 |
| Document Title: |
| Naming Conventions In Ignition Perspective |
| Prepared by: |
| IC Pro Solutions Pvt. Ltd. |

REVISION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| Initial Release for Review | 00 | 28 OCT 2022 | GOU | ANP |  |
| **Revision details** | **Rev.** | **Rev. Date** | **Prep. By** | **Checked** | **Approved** |

Table of Contents

[**1.** Introduction 3](#_Toc119048522)

[**1.1.** Purpose 3](#_Toc119048523)

[**1.2.** Views In Perspective 4](#_Toc119048524)

[**1.3.** Adding New Screen Under Views 4](#_Toc119048525)

[**1.4.** Folder Creation In Perspective Module 5](#_Toc119048526)

[**1.5.** Components In Perspective 7](#_Toc119048527)

[**2.** Project Structuring 12](#_Toc119048528)

[**2.1.** Creating folders with proper naming conventions under Views, each containing pages linked to its module 12](#_Toc119048529)

[**3.** Named Query Structure 13](#_Toc119048530)

[**3.1.** Creating folders with proper naming conventions under Named Query, each containing queries s linked to its module 13](#_Toc119048531)

[**4.** Scripting Format and Structure 14](#_Toc119048532)

[**4.1.** Creating folders with proper naming conventions under Scripting event, each containing classes for respective modules. 14](#_Toc119048533)

# Introduction

## Purpose

The main purpose of naming conventions is to keep the work organized. When the data is consistently organized, it becomes easy to process and get results. Without any structure in your naming, analyzing large volumes of data could become chaotic.

## Views In Perspective

|  |  |  |
| --- | --- | --- |
| **Name** | **Definition** | **Know More** |
| **VIEW** | Perspective views are unique in that they can act as both a top-level screen (taking up a whole page in your session) or a component (embedded in another view). | <https://docs.inductiveautomation.com/display/DOC81/Views+in+Perspective#:~:text=Perspective%20views%20are%20unique%20in,Ignition%20Designer's%20Project%20Browser%20tree>. |

Graphical user interface, application

Description automatically generated

**Views In Ignition Perspective Module**

## Adding New Screen Under Views

* Click on **Create New View** button for creating new view page or right click on VIEW class to create new View Page.

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

* Enter the name of the VIEW screen.
* Select the name of root container type from the dropdown menu.
* Check the Page URL and click on **Create View** button.
* **Naming a View** [format followed: **snake\_case**]

The name of the view must always begin with **lowercase** letters, and if there are **multiple words**, they must be separated by "**\_**" [underscore] formatter.

## Folder Creation In Perspective Module

|  |  |  |
| --- | --- | --- |
| **Name** | **Definition** | **Know More** |
| **FOLDER** | When there are several files that must be divided and transferred to distinct folders. |  |

* **Creating new Folder** under VIEWS

Right click on VIEW class and select to create new folder.

Graphical user interface, application

Description automatically generated

* **Naming a View** [format followed: **snake\_case**]

The name of the folder must always begin with **lowercase** letters, and if there are **multiple** **words**, they must be separated by "\_" [underscore] formatter.

## Components In Perspective

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Short Form** | **Screenshot** | **Naming Format** |
| Label | lbl | Graphical user interface, text  Description automatically generated | **lbl\_name** |
| Text Field | txt | Graphical user interface, application, table  Description automatically generated with medium confidence | **txt\_name** |
| Text Area | tarea | Graphical user interface, application, table  Description automatically generated | **tarea\_name** |
| Numeric Field | numfld | Graphical user interface, application  Description automatically generated | **numfld\_name** |
| Button | btn | Graphical user interface, text  Description automatically generated with medium confidence | **btn\_name** |
| DropDown | drp | Graphical user interface  Description automatically generated with medium confidence | **drp\_name** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Password Field | | pwdfld | | Graphical user interface  Description automatically generated with medium confidence | | **pwdfld\_name** | |
| Checkbox | | chkbox | | Graphical user interface, application  Description automatically generated with medium confidence | | **chkbox\_name** | |
| Radio Button | | rbtn | | Graphical user interface, application  Description automatically generated | | **rbtn\_name** | |
| Link | | link | | A picture containing graphical user interface  Description automatically generated | | **link\_name** | |
| Image | | img | | Graphical user interface, application  Description automatically generated | | **img\_name** | |
| Icon | | icon | | Graphical user interface  Description automatically generated | | **icon\_name** | |
| File Upload | | fupload | | Graphical user interface, text, application  Description automatically generated | | **fupload\_name** | |
| DateTime | | datetime | | Graphical user interface, text, application  Description automatically generated | | **datetime\_name** | |
| Date | | date | | Graphical user interface  Description automatically generated with medium confidence | | **date\_name** | |
| Time | | time | | Graphical user interface, application  Description automatically generated | | **time\_name** | |
| Toggle Switch | | tswitch | | Graphical user interface  Description automatically generated with medium confidence | | **tswitch\_name** | |
| Accordion | | accdn | | Graphical user interface  Description automatically generated with medium confidence | | **accdn\_name** | |
| Table | | table | | Graphical user interface, application  Description automatically generated | | **table\_name** | |
| Tree | | tree | | A picture containing diagram  Description automatically generated | | **tree\_name** | |
| Menu Tree | | mtree | | Graphical user interface, application  Description automatically generated | | **mtree\_name** | |
| Gauge | | gauge | | Graphical user interface  Description automatically generated with medium confidence | | **gauge\_name** | |
| Simple Gauge | | sgauge | | Graphical user interface, application  Description automatically generated | | **sgauge\_name** | |
| Pie Chart | | piecht | | Graphical user interface, application  Description automatically generated | | **piecht\_name** | |

|  |  |  |  |
| --- | --- | --- | --- |
| Power Chart | powcht | Text  Description automatically generated with medium confidence | **powcht\_name** |
| Time Series Chart | tscht | Graphical user interface, text  Description automatically generated with medium confidence | **tscht\_name** |
| Embedded View | embd | Graphical user interface, text, application  Description automatically generated | **embd\_name** |
| Flex Repeater | flexrep | Graphical user interface, text  Description automatically generated with medium confidence | **flexrep\_name** |
| Flex Container | flexc | Graphical user interface, application  Description automatically generated | **flexc\_name** |
| Coordinate Container | coordc | Graphical user interface, text, application  Description automatically generated | **coordc\_name** |
| Split Container | splitc | Graphical user interface, text  Description automatically generated with medium confidence | **splitc\_name** |
| Column Container | clmc | Graphical user interface  Description automatically generated with low confidence | **clmc\_name** |
| Break Point Container | brpc |  | **brpc\_name** |

# Project Structuring

## Creating folders with proper naming conventions under Views, each containing pages linked to its module

Chart, bar chart

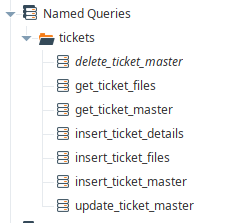
Description automatically generated

* **Sample View Page**

|  |  |
| --- | --- |
| Proper Component Naming For Better Understanding | **OUTPUT** |
| Graphical user interface, text, application  Description automatically generated |  |

# Named Query Structure

## Creating folders with proper naming conventions under Named Query, each containing queries s linked to its module



* **Naming a View** [format followed: **snake\_case**]

The name of the view must always begin with **lowercase** letters, and if there are **multiple words**, they must be separated by "**\_**" [underscore] formatter.

* **Insertion query** must always begin with keyword **insert** followed by query name. [**insert\_ticket\_files**]
* **Retriving query** must always begin with keyword **get** followed by query name. [**get\_ticket\_files**]
* **Updating query** must always begin with keyword **update** followed by query name. [**update\_ticket\_files**]
* **Deletion query** must always begin with keyword **delete** followed by query name. [**delete\_ticket\_files**]

# Scripting Format and Structure

## Creating folders with proper naming conventions under Scripting event, each containing classes for respective modules.

Graphical user interface, application

Description automatically generated

* **Naming a script file** [format followed: **snake\_case**]

The name of the script file must always begin with **lowercase** letters, and if there are **multiple words**, they must be separated by "**\_**" [underscore] formatter.

* Example**: tickets** script must contain all the function related to ticket operations.
* **Naming a function name** [format followed: **snake\_case**]

The **function name** must always begin with **lowercase** letters, and if there are **multiple words**, they must be separated by "**\_**" [underscore] formatter.

* **get\_ticket\_files()** method for getting all data’s from ticket\_files.
* **Comments in scripting function**

Text

Description automatically generated