**Integrated Test Manager**

[**https://sourceforge.net/projects/intmac/**](https://sourceforge.net/projects/intmac/)

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Client HCI Design Document

Issue V0.1.0

**Document Reference:** 04.01.01

**Document Date:** 20/02/2015

**Revision History**

|  |  |  |
| --- | --- | --- |
| Version | Date | Description |
| 0.1.0 | 20/02/2015 | Initial version - First description of the assets tree section for the toolbar. |

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# Introduction

The Client HCI specification Document is designed to provide documentation, which will make up the core client design and provide details to the software development team on the look and behaviour of the Integrated Test Management Centre client.

## Purpose

The purpose of the document is to provide a detailed description of the look and behaviour of the client.

## Scope

This HCI document is intended to cover specifically the client’s behaviour, including:

* Drag and drag behaviour
* Colours and icons expected
* Validation rules
* Layout of dialogs.

This is an evolving document that will change as the HCI is updated.

## Referenced Documents

None

## Abbreviations

HCI Human Computer Interface

WxWidgets wxWidgets Cross-Platform GUI Library

# Toolbar Design

## Responsibilities

The toolbar provides the user with the ability to access Integrated Test Centres subsystems.

## Title Label

The toolbar sidebar doesn’t have a title label, as it’s a pane.

## Resizing Behaviour

The toolbar can be resized either by using the right-hand side drag bar or resizing the main dialog; the tree control within it will always fill the pane.

## Layout

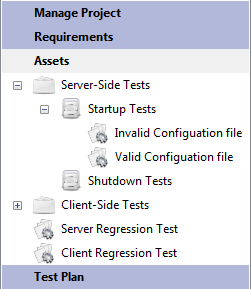


Figure 1: Toolbar Layout

## Toolbar Design

The toolbar is broken into four separate trees, each having it’s own unique behaviour:

* Manage Project
* Requirements
* Assets
* Test Plan

### Manage Project Toolbar Tree

Not currently implemented.

### Requirements Toolbar Tree

Not currently implemented.

### Assets Toolbar Tree

The tree contains the tree structure for all of the available assets available/visible to the user, depending on the users permissions.

#### Tree Element Types

There are three specific tree element types:

|  |  |  |
| --- | --- | --- |
| Icon | Type | Description |
|  | Test Item | A singular test item. |
|  | Test Group | A grouping object for test items, it can only contain Test Items within it. |
|  | Filter | A filter is a tree element that can be used to group either a Test Item or Group. |

Table 1: Assets Specific Tree Element Icon Types

#### Top-Level Tree Element Parameters

|  |  |
| --- | --- |
| Parameter | Value |
| Label | Assets |
| Format | Bold black text on background with RGB colour 178, 184, 217 |
| Tree Item Editable | No |
| Tree Item Removable | No |
| Right-Click Options | None |
| Key Shortcut: Right Arrow | Right arrow will expand the tree. |
| Key Shortcut: Left Arrow | Left arrow will collapse the tree to hide the sub tree items. |
| Drag and Drop Behaviour | Cannot be dragged and dropped.  The top-level can contain: Test Item, Test Group and Filter |

Table 2: Assets Top-Level Tree Element Parameters

#### Child tree Elements

##### Test Item Element

|  |  |
| --- | --- |
| Parameter | Value |
| Usage | Designates a singular test item. |
| Label | User-specific label which can be between 1 and 150 characters in length and can’t contain the following characters:  “ \ \* |
| Format | Black text on white background |
| Tree Item Editable | Yes |
| Tree Item Removable | Yes |
| Right-Click Options | [Delete Test Item] |
| Context Menu Items | |
| [Delete Test Item] | Delete the selected test item.  A confirmation message is displayed “Are you sure you want to delete the test?” [Yes], [No].  [Yes] will close the confirmation message, the test will be deleted.  [No] will close the confirmation message, the test is not deleted. |
| Drag and Drop Behaviour | Can be dragged and dropped.  The test item cannot contain elements. |

Table 3: Test Item Element Parameters

##### Test Group Element

|  |  |
| --- | --- |
| Parameter | Value |
| Usage | Designates a test group container, although it can only contain test items. |
| Label | User-specific label which can be between 1 and 150 characters in length and can’t contain the following characters:  “ \ \* |
| Format | Black text on white background |
| Tree Item Editable | Yes |
| Tree Item Removable | Yes |
| Right-Click Options | [Delete Test Group]  [Add Test Item] |
| Context Menu Items | |
| [Delete Test Item] | Delete the selected test item.  A confirmation message is displayed “Are you sure you want to delete the Test Group? All items below will be deleted.” [Yes], [No].  [Yes] will close the confirmation message, the test group and any test items contained within are deleted.  [No] will close the confirmation message, no action is taken. |
| [Add Test Item] | Currently not implemented! |
| Drag and Drop Behaviour | Can be dragged and dropped.  A test group can contain: Test Item. |

Table 4: Test Group Element Parameters

##### Filter Element

|  |  |
| --- | --- |
| Parameter | Value |
| Usage | Designates a filter test item that can contain filters, test items or test groups. |
| Label | User-specific label which can be between 1 and 150 characters in length and can’t contain the following characters:  “ \ \* |
| Format | Black text on white background |
| Tree Item Editable | Yes |
| Tree Item Removable | Yes |
| Right-Click Options | [Delete Filter]  [Add Filter]  [Separator]  [Add Test Item]  [Separator]  [Add Test Group] |
| Context Menu Items | |
| [Delete Filter] | Delete the selected filter item.  A confirmation message is displayed “Are you sure you want to delete the filter?” [Yes], [No].  [Yes] will close the confirmation message, the filter and any items contained within are deleted.  [No] will close the confirmation message, no action is taken. |
| [Add Filter] | Currently not implemented! |
| [Add Test Item] | Currently not implemented! |
| [Add Test Group] | Currently not implemented! |
| Drag and Drop Behaviour | Can be dragged and dropped.  A filter can contain: Test Item, Test Group and Filter |

Table 5: Filter Element Parameters

### Testing Toolbar Tree

Not currently implemented.