



Stealth

User Interface Standards & Common Design Language **DRAFT**

May 18, 2015

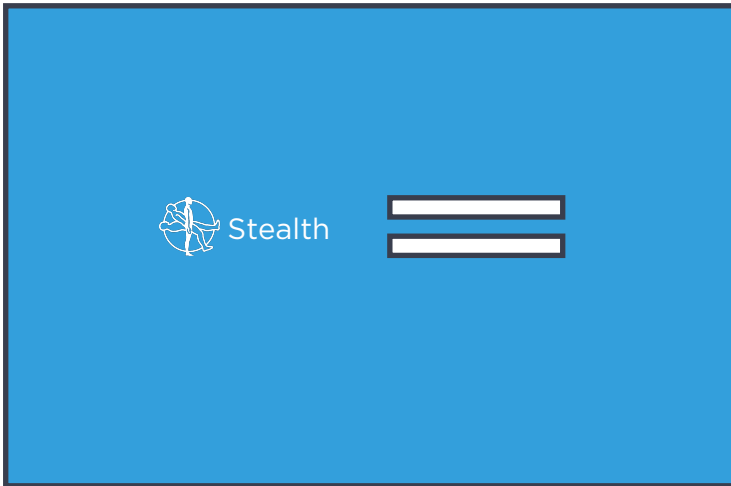
Welcome to Stealth

This guide provides UI Standards and a Common Design Language.



Layout Patterns

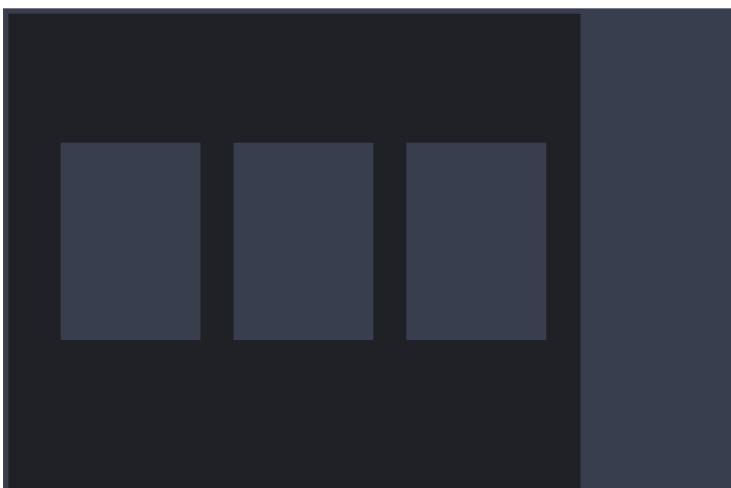
The layout defines the visual structure of a user interface. The layout supports the hierarchy of information presented on-screen, and provides a visual pattern that supports the user's cognition of information presented, tasks and workflows.



1. Login

Tasks related to login:

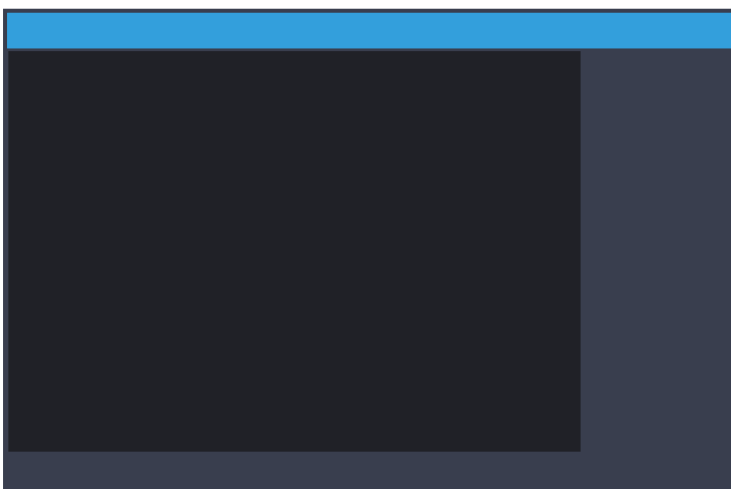
- A) Login
- B) About Stealth



2. Start Case

Tasks to start a case:

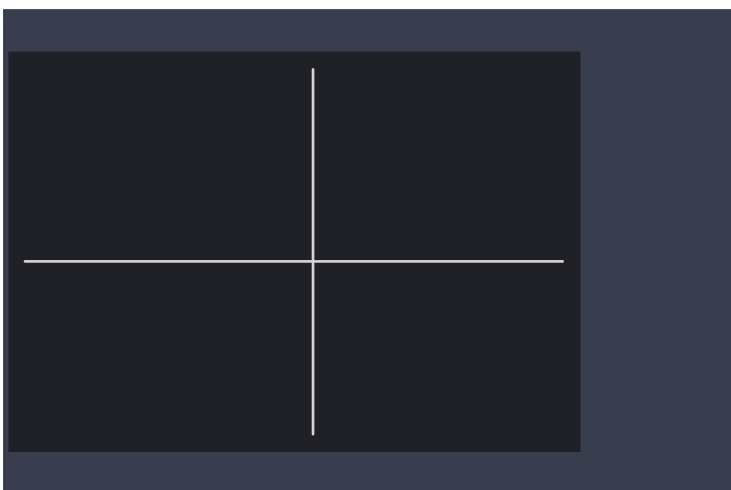
- A) Start Case
- B) Select Procedure
- C) Select Surgeon
- D) Select Tracking



3. Case Preparation

Tasks to prepare a case:

- A) Search Images
- B) Manage Patient Data
- C) Merge Images
- D) Instrument Management



4. Patient View

Tasks related to viewing patient images:

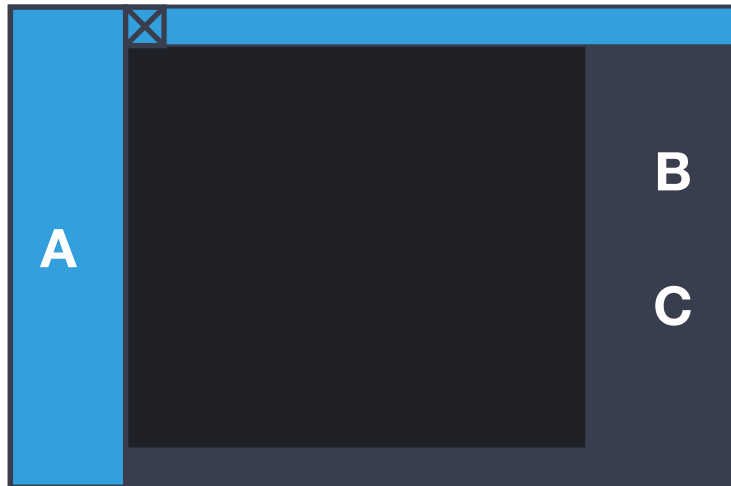
- A) Planning
- B) Registration
- C) Navigation

Navigation Patterns

Navigation allows the user to move throughout the software application, as well as support the user's workflow. It provides context and a model for navigating across primary and secondary tasks, and navigating tasks connected within a workflow.

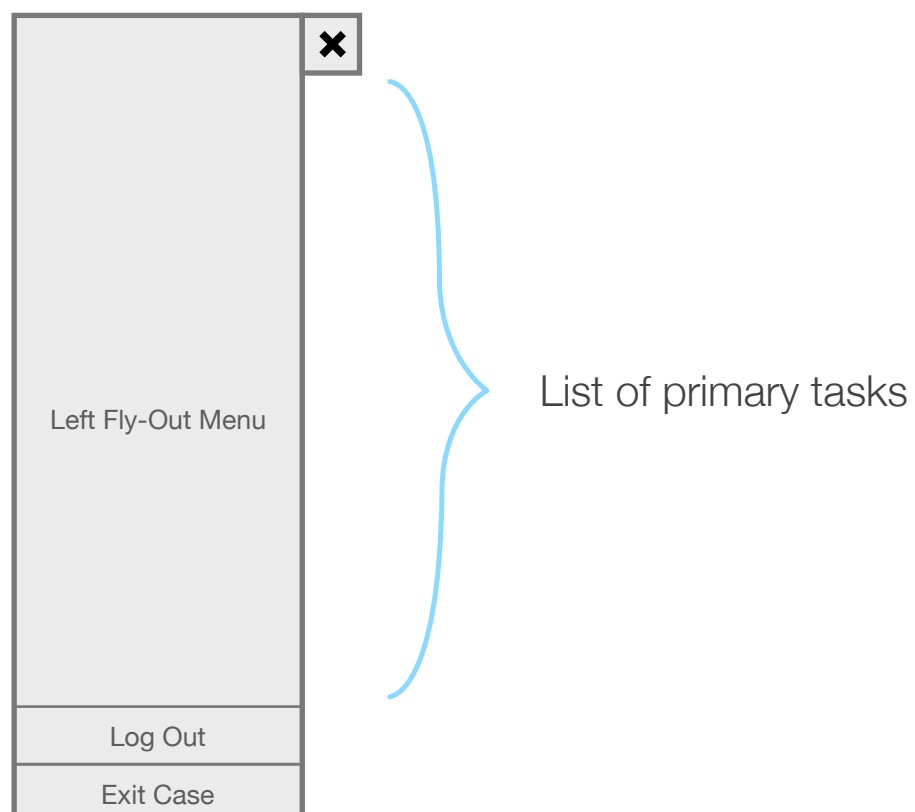
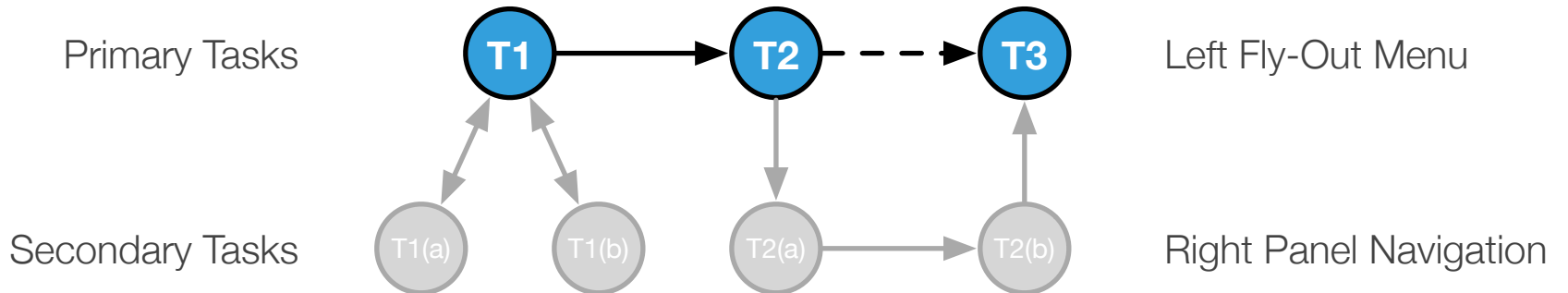
Framework Navigation

There are three primary methods of framework navigation, Left Fly-Out Menu, Right Panel Wizard and Right Panel Hub-and-Spoke.



A. Left Fly-Out Menu: Primary Navigation

The Left Menu provides quick access to primary tasks across the system. Access to secondary tasks is handled by the Right Panel navigation. The Left Fly-Out Menu expands from the left edge of the the framework layout.

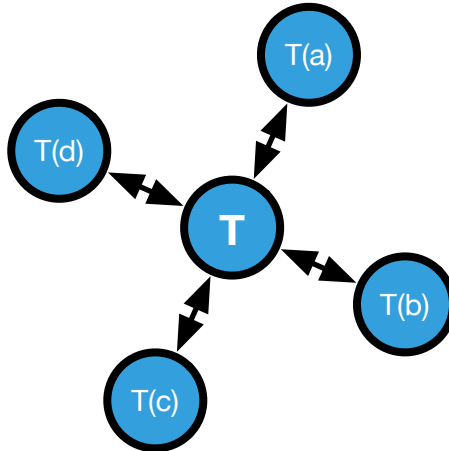


Navigation Patterns

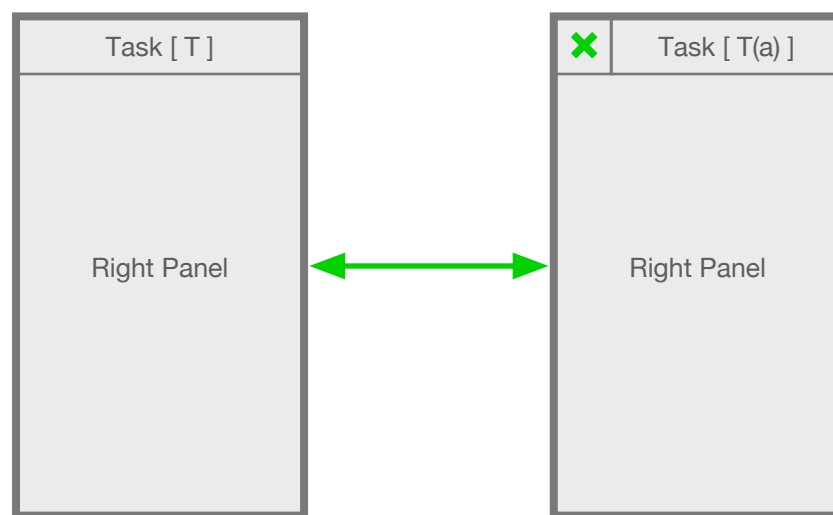
The layout defines the visual structure of a user interface. The layout supports the hierarchy of information presented on-screen, and provides a visual pattern that supports the user's cognition of information presented, tasks and workflows.

B. Right Panel Navigation: Hub-And-Spoke

The hub and spoke navigation paradigm supports tasks where a primary task [T] is supported by disparate secondary tasks [T(a)].

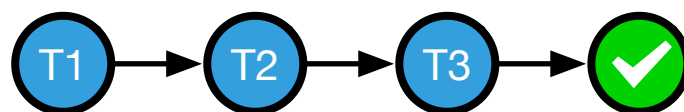


The hub and spoke navigation model is supported through the Right Panel interaction.

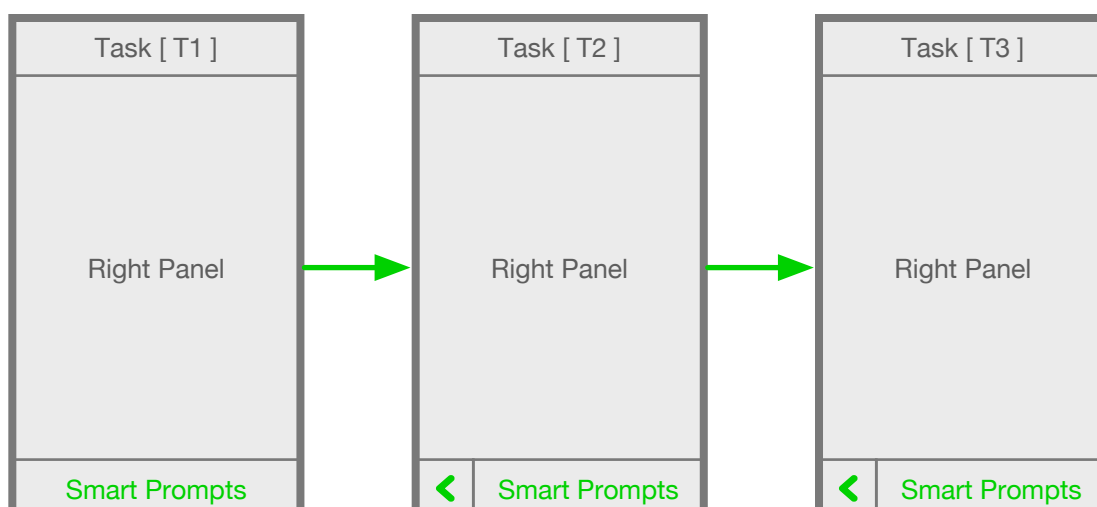


C. Right Panel Navigation: Wizard

The wizard navigation paradigm supports tasks where separate tasks must be completed to support completion of the workflow. Smart prompts help guide the user to next steps in the workflow.



The hub and spoke navigation model is supported through the Right Panel interaction.





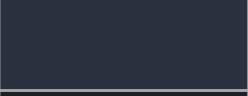
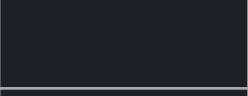
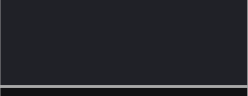







Fonts & Colors

The lack of visual consistency in a product's user interface, or across a family of products, is often created by the use of varying font types, sizes and colors. This leads to an inconsistent user experience and detracts from the usability of the product. Adopting a consistent approach to fonts and colors aids in the visual consistency, at the same time simplifies the user experience by reducing visual complexity.

The font family used throughout the Stealth Station user interface is the Gotham family of fonts. Usage is as defined below.

Type	Font	Size	Usage
HEADER 1	Gotham Medium	28 point	Primary Task Title in global header (all capitalized), secondary task in right sidebar header
Header 2	Gotham Medium	24 point	Card titles, study/series descriptions in search results, global notifications
Header 3	Gotham Medium	20 point	Card titles, study/series descriptions in search results, global notifications
Guided Prompt	Gotham Medium	18 point	Guided prompt button labels
Large Meta	Gotham Medium	14 point	Patient information
Small Meta	Gotham Medium	12 point	Image meta data, drop down list labels, toolbar labels

The color standard provides the foundation for common Medtronic Navigation look-and-feel by establishing baseline for usage of colors, placement and usage.

Swatch	Color	Usage
	Hex - #2376A7 RGB - 35, 118, 167	Global Header background
	Hex - #205F84 RGB - 32, 95, 132	Secondary Layout Blue
	Hex - #393F4F RGB - 57, 63, 79	TBD
	Hex - #292A32 RGB - 41, 42, 50	TBD
	Hex - #202228 RGB - 32, 34, 40	TBD
	Hex - #151518 RGB - 21, 21, 24	TBD
	Hex - #FFFFFF RGB - 255, 255, 255	Title text
	Hex - #DCE7EE RGB - 220, 231, 238	Primary text
	Hex - #808AA4 RGB - 128, 138, 164	Secondary text
	Hex - #D72929 RGB - 215, 41, 41	Alert
	Hex - #E8A632 RGB - 232, 166, 50	Warning
	Hex - #649C43 RGB - 100, 156, 67	Success

Global Header

The Global Header resides at the top of the layout and provides a) context for the current task, b) patient information and c) access to the primary menu. There are two modalities to the Global Header, indicated by color.

The first modality is present in all case preparation tasks and is indicated by a blue background color:



The second modality is present in the Navigation task and is indicated by a black background color:



Primary Menu









Description of the primary menu.



Controls & Widgets

Description of controls and widgets. Buttons, drop-downs, check boxes, radio buttons, etc.

Buttons



























Primary Action	State	Secondary Action
	Up	
	Hover	
	Down	
	Disabled	











Radio Buttons

Checkboxes

Iconography

Description of controls and widgets. Buttons, drop-downs, check boxes, radio buttons, etc.



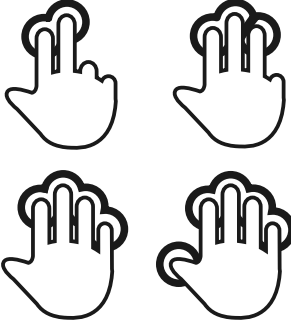
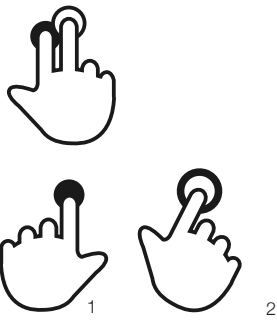


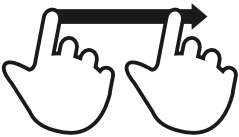

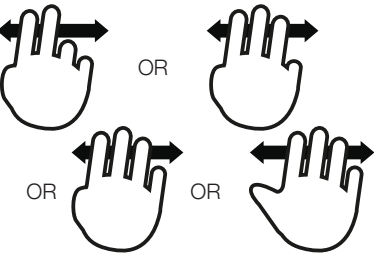
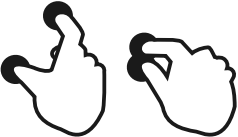
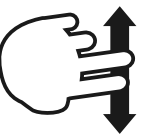
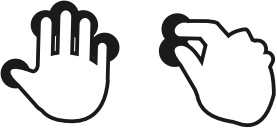


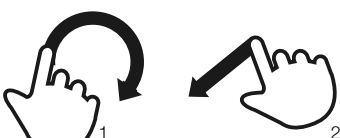
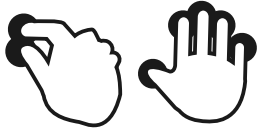

	Center
	Zoom
	Adjust
	Blend
	Move
	Rotate
	Recenter
	Wand
	Lasso
	Landmark
	Mark Entry
	Equipment / Tracking
	Surgeon Display
	Brain Model
	Tumor Model
	Bone Model
	Vessel Model
	Ventricle Model
	Other Model
	Menu
	Help
	Sort
	Layout 1 up
	Layout 2 up
	Layout 3 up
	Layout 4 up

	Reorient
	Cycle Layouts
	Hide
	Show
	Custom Instruments
	Save
	Clear
	Undo
	Delete
	Restart

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Touch Screen Gestures

Description of touch screen gestures and interactions.

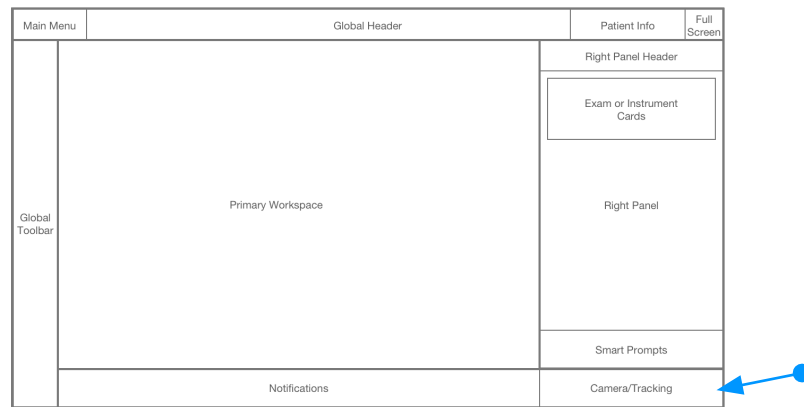
Tap		Press	
Multi-finger tap		Press and tap	
Double tap		Press and drag	
Drag		Press and tap, then drag	
Multi-finger drag		Pinch	
Two-finger drag		Squeeze	
Flick		Spread	
Lasso and cross		Splay	
Rotate			

Notifications

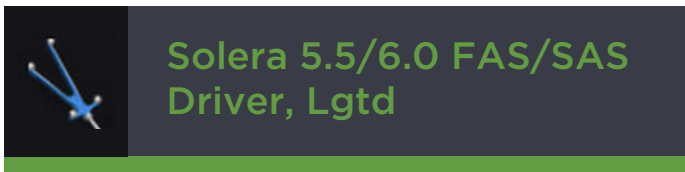
Description of notifications, types and treatments.

Camera/Track Instrument

Camera and instrument tracking are located in the lower right-hand corner of the UI layout.

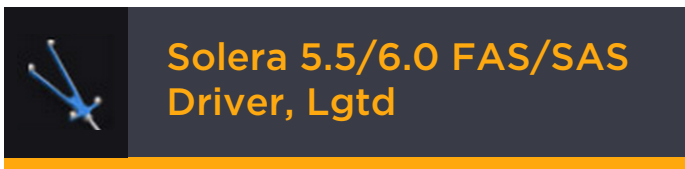


There are three states to instrument tracking between the Stealth system camera and an instrument.



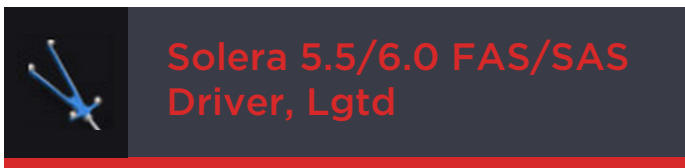
Success

Indicates the instrument is visible to the Stealth system camera.



Warning

Indicates partial line of site between the Stealth system camera and the instrument.

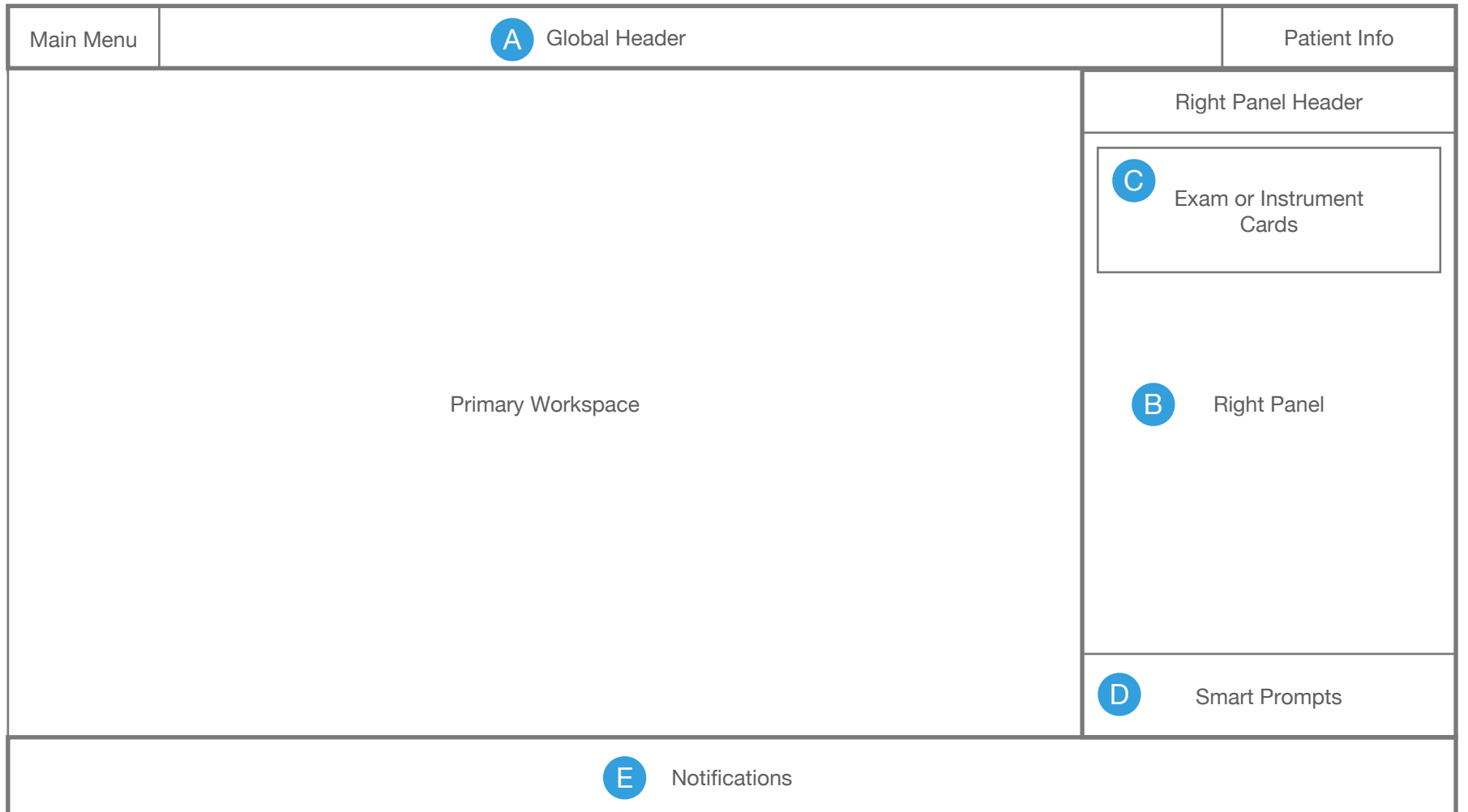


Error

Indicates a broken line of site between the Stealth system camera and the instrument.

Appendix: (C) Case Preparation Layout Detail

Description



A. Global Header - The Global Header panel persists throughout the UI. It contains access to the Main Menu, the primary Task Title, Patient Info (name, DOB, MRN), and in the Navigation taks, a control for full-screen toggle.

B. Right Side Panel - The Right Side Panel houses all the options needed to control the view in the Primary Workspace. It always contains a Header, indicating the task, and also providing access to additional navigation controls. It also can contain other controls to support the task, such as Smart Prompts or other controls.

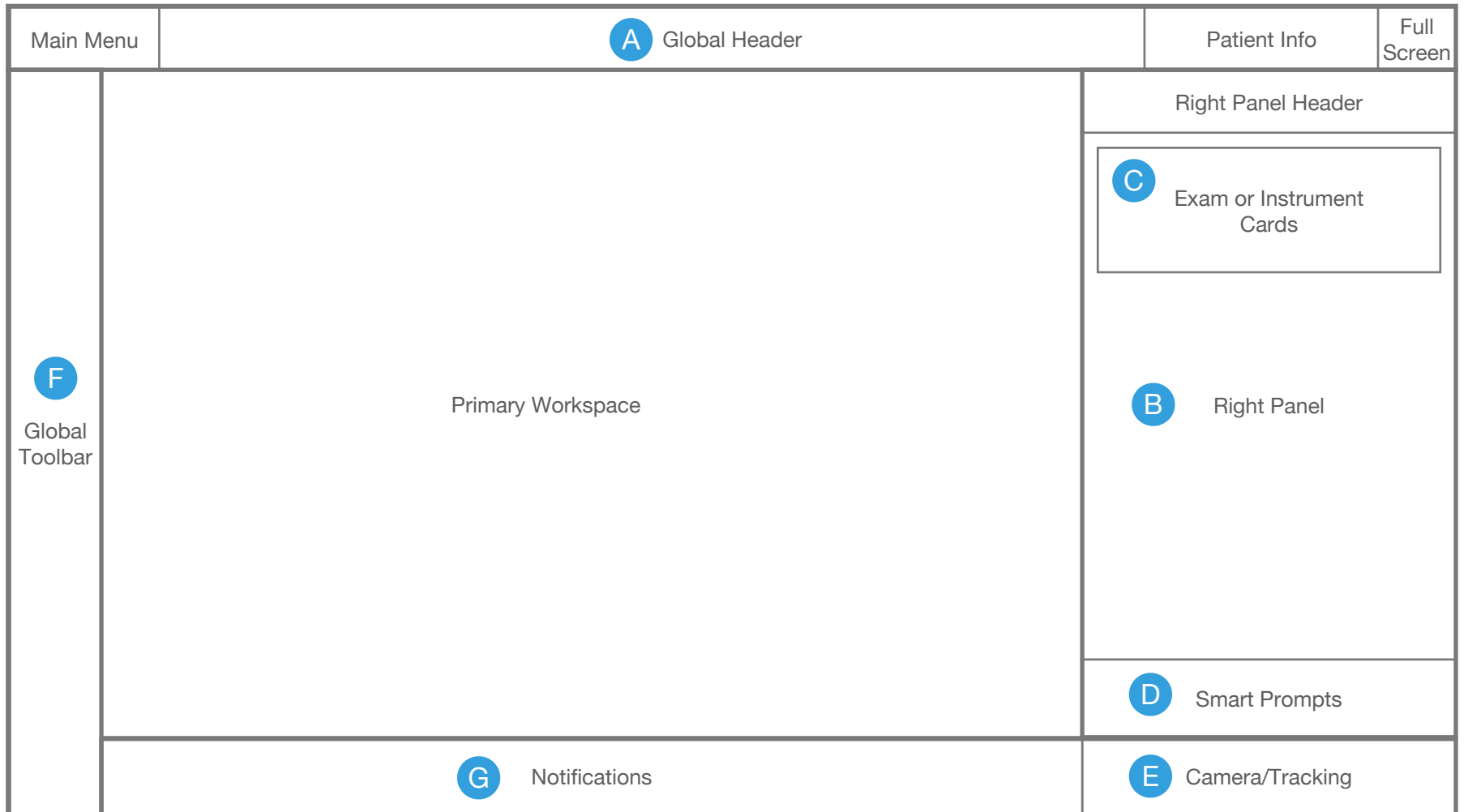
C. Cards - Exams and instruments are displayed as cards within the Right Side Panel.

D. Smart Prompts - Located at the bottom of the Right Side Panel, Smart Prompts help provide guidance to users to progress forward, or backward within their workflow.

E. Notifications - Notifications are presented horizontally at the bottom of the layout.

Appendix: (D) Patient View Layout Detail

Description



A. Global Header - The Global Header panel persists throughout the UI. It contains access to the Main Menu, the primary Task Title, Patient Info (name, DOB, MRN), and in the Navigation tabs, a control for full-screen toggle.

B. Right Side Panel - The Right Side Panel houses all the options needed to control the view in the Primary Workspace. It always contains a Header, indicating the task, and also providing access to additional navigation controls. It also can contain other controls to support the task, such as Smart Prompts or other controls.

C. Cards - Exams and instruments are displayed as cards within the Right Side Panel.

D. Smart Prompts - Located at the bottom of the Right Side Panel, Smart Prompts help provide guidance to users to progress forward, or backward within their workflow.

E. Camera View & Tracking View - The Tracking View exists within the lower right section of the layout. Tracking status is presented, displaying the current visibility of verified instruments. When expanded, a Camera View is present displaying additional instrument tracking detail.

F. Global Toolbar - The Global Toolbar exists on the left hand side of the Primary Workspace. It provides access to common tools used to manipulate and adjust images and view changing controls. Recording tools are located at the bottom left.

G. Notifications - Notifications are presented horizontally at the bottom of the layout.