

Add new Web framework documents to the EHR

Overview

When attempting to add new custom links and documents to the EHR one must first understand the basic overview of how pages are rendered in the EHR.

**** Be extremely careful when editing previously created and/or delivered Workplaces, Vertical Toolbars and Horizontal Toolbars as entire views can disappear if care is not taken. ****

The EHR is broken into 4 main components. Every user operates in a workspace that is designated to them. Within each of these workspaces there are multiple Vertical Toolbars (links along the left side of the EHR system going down). Each link of the Vertical Toolbar contains a Horizontal Toolbar (tabs going across at the top of each page). Each tab refers to a document, which is the space that your custom page will live in.

The screenshot displays the FRAX WHO Fracture Risk Assessment Tool interface. At the top, a patient record for Santiago, Dean is shown with fields for MRN, Sex, Age, AKA, Other, SSN, DOB, H Phone, and FYI. Below this is a red banner with the FRAX logo and the text 'FRAX® WHO Fracture Risk Assessment Tool'. A horizontal toolbar contains tabs for HOME, CALCULATION TOOL, PAPER CHARTS, FAQ, and REFERENCES. The main content area is titled 'Calculation Tool' and contains a questionnaire with 12 questions. A vertical toolbar on the left side of the page contains links for Chart, Tasks, Homebase, User Mgmt, and Custom. Red arrows point to the 'Vertical Toolbar' on the left and the 'Horizontal Toolbar' at the top, both labeled 'Document'.

The key to successfully adding new pages to the EHR is to work from a bottom-up approach. Begin by creating a document, then create a Horizontal Toolbar and add the document created

to it, then finally link this to your main page by creating a new Vertical Toolbar menu item and linking this to your Horizontal Toolbar.

CASE STUDY

In the following example we will add a custom link on the VTB containing a Horizontal Toolbar with a tab named FRAX which point out to a website to help determine the likelihood for a patient to have a fracture (as pictured above). This will cause a website to be rendered in the viewing window as shown below.

The screenshot shows a medical software interface. At the top, there is a patient record for **SANTIAGO, DEAN** with MRN: 100048, Sex: M, Age: 61 Years, DOB: 01/06/1949, and H Phone: (617)555-1212. Below this is a red banner for the **FRAX[®] WHO Fracture Risk Assessment Tool**. The interface includes a navigation menu with options like HOME, CALCULATION TOOL, PAPER CHARTS, FAQ, and REFERENCES. The main content area is titled "Calculation Tool" and contains a questionnaire for calculating the ten-year probability of fracture with BMD. The questionnaire includes 12 questions and input fields for age, date of birth, weight, and height.

Country: US (Caucasian) **Name / ID:** [About the risk factors](#)

Questionnaire:

- Age (between 40-90 years) or Date of birth
Age: Date of birth: Y: M: D:
- Sex Male Female
- Weight (kg)
- Height (cm)
- Previous fracture No Yes
- Parent fractured hip No Yes
- Current smoking No Yes
- Glucocorticoids No Yes
- Secondary osteoporosis No Yes
- Alcohol 3 or more units per day No Yes
- Femoral neck BMD (g/cm²)
Select DXA:

Steps:

1. Create a custom folder for the file to be saved in, for this example we have used the path C:\Program Files\Allscripts Healthcare Solutions\TouchWorks Web\Works\Custom
2. Create the file FRAX.htm file and save it in the above custom folder.
3. Create the document
 - a. From the admin Workplace select documents
 - b. Select the new tab
 - c. Fill in the information as shown below for Product, Application and Type

Admin ▾ Hide YTB

Documents New Edit Summary

GHS_FRAX Product: Enterprise EHR Type: W
 Application: TouchWorks Target: IDXWF 0 Pt
 Key: WORKS CHWORKS GHS_FRAX Caption: FRAX

Select Document ▾

New Document

Product: Enterprise EHR ▾

Application: TouchWorks ▾

ID: GHS_FRAX

Caption: FRAX

Type: Workspace page ▾

Target: ▾

URL: s:\Allscripts Healthcare Solutions\TouchWorks Web\Works\Custom

Custom URL:

Help File:

Help File Title:

Custom Help URL:

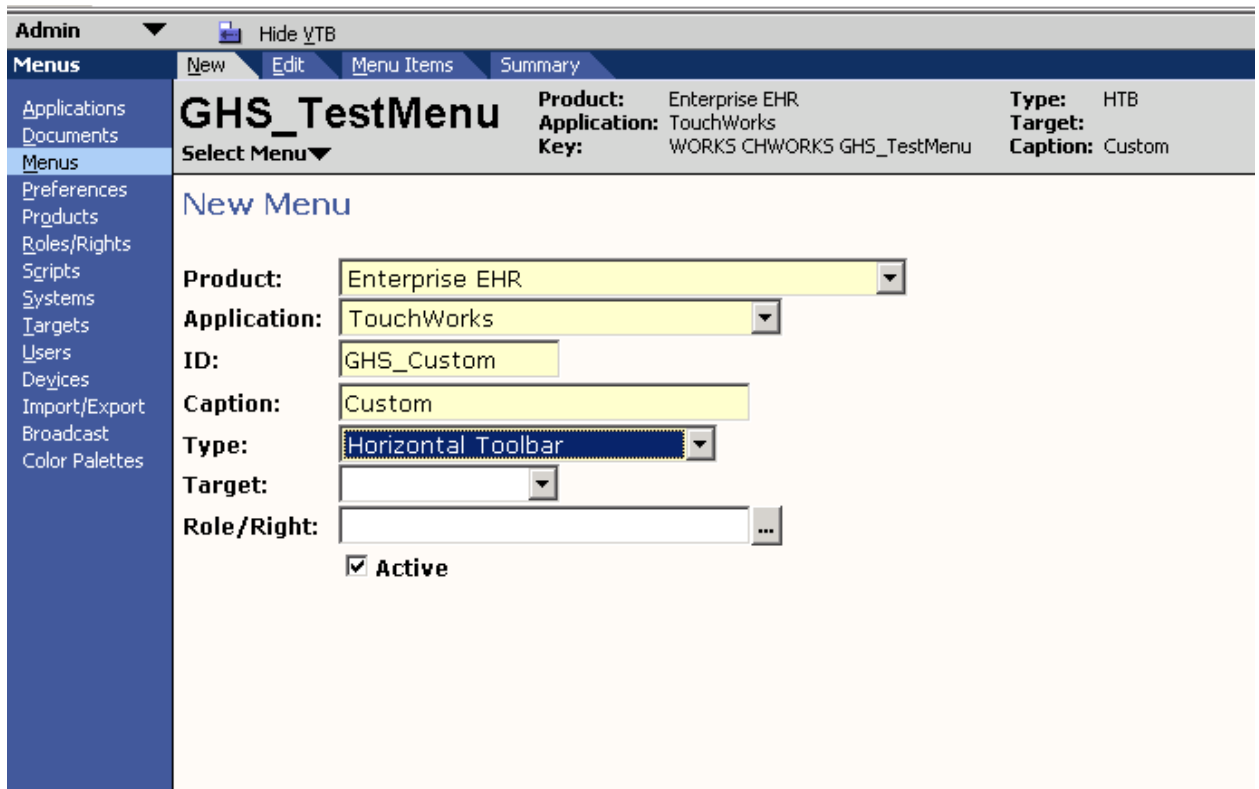
Custom Help URL Title:

Role/Right: ...

Link Type: ▾

Active

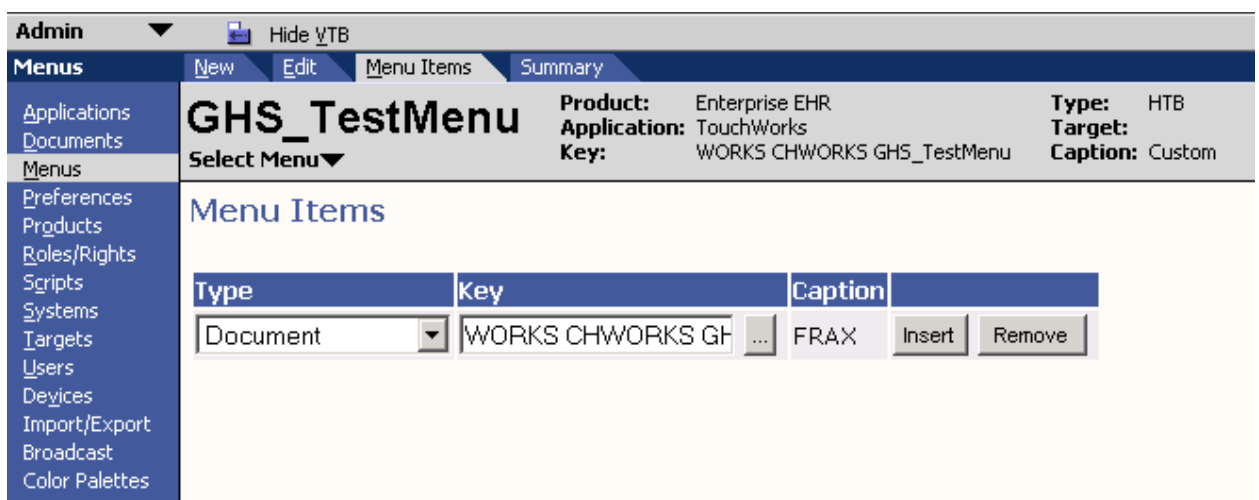
- d. Create an ID that is easily referenced when searching, in this case GHS for Galen Healthcare Services
- e. Create a caption, this will be what the link will look like on the EHR
- d. Specify the path in the URL where you saved the file
4. Create the Horizontal Tool Bar
 - a. Navigate to Menus and select New
 - b. Create a new Horizontal Toolbar as shown below for Product, Application and Type



c. Create an ID that is easily referenced when searching, in this case GHS for Galen Healthcare Services

d. Create a caption, this will be what the link will look like on the EHR

4. Indicate that you would like to populate your menu and insert the FRAX document you just created as shown below



5. Adding the Horizontal Toolbar to the Vertical Toolbar

- a. Search for the Vertical Toolbar that you first see when logging in as a user, in this case we are working in the Clinician Vertical Toolbar.
- b. Click on the Menu Items tab and insert a new HTB that points at the custom HTB that you created in the above step

The screenshot shows the 'Admin' interface for configuring menu items. The top navigation bar includes 'Admin', 'Hide VTB', and tabs for 'New', 'Edit', 'Menu Items', and 'Summary'. The main header displays 'Clinician' with details: Product: Enterprise EHR, Application: TouchWorks, Key: WORKS CHWORKS Clinician, Type: VTB, Target: Provider, and Caption: Provider.

The 'Menu Items' section contains a table with the following data:

Type	Key	Caption	Insert	Remove
HTB	WORKS CHWORKS Cli	Schedule	Insert	Remove
HTB	WORKS CHWORKS Cli	Chart	Insert	Remove
HTB	WORKS CHWORKS Cli	Tasks	Insert	Remove
HTB	WORKS CHWORKS Cli	Charges	Insert	Remove
HTB	WORKS CHWORKS Cli	Patient Lists	Insert	Remove
HTB	WORKS CHWORKS Cli	Patient	Insert	Remove
HTB	WORKS CHWORKS Cli	Order Mgmt	Insert	Remove
HTB	WORKS 0 PHB	Homebase	Insert	Remove
HTB	WORKS CHWORKS Cli	User Options	Insert	Remove
HTB	WORKS CHWORKS TV	V10 Note Admin	Insert	Remove
Document	WORKSDOTNET CHW	Note Admin	Insert	Remove
HTB	WORKS CHWORKS Cli	Site	Insert	Remove
HTB	WORKS CHWORKS Cli	Reports	Insert	Remove
HTB	WORKS CHWORKS Re	Report Admin	Insert	Remove
HTB	WORKS CHWORKS GH	Custom	Insert	Remove

6. Log in as the user who's VTB you added the new HTB to and verify that your changes were implemented successfully as shown below.

FRAX[®] WHO Fracture Risk Assessment Tool

HOME CALCULATION TOOL PAPER CHARTS FAQ REFERENCES Select a Language

Calculation Tool

Please answer the questions below to calculate the ten year probability of fracture with BMD.



Weight Conversion:
pound:
convert

Height Conversion:
inch:
convert



Country: **US (Caucasian)** Name / ID : About the risk factors

Questionnaire:

1. Age (between 40-90 years) or Date of birth	10. Secondary osteoporosis <input checked="" type="radio"/> No <input type="radio"/> Yes
Age: <input type="text"/> Date of birth: Y: <input type="text"/> M: <input type="text"/> D: <input type="text"/>	11. Alcohol 3 or more units per day <input checked="" type="radio"/> No <input type="radio"/> Yes
2. Sex <input type="radio"/> Male <input type="radio"/> Female	12. Femoral neck BMD (g/cm ²)
3. Weight (kg) <input type="text"/>	Select DXA <input type="text"/>
4. Height (cm) <input type="text"/>	Clear Calculate
5. Previous fracture <input checked="" type="radio"/> No <input type="radio"/> Yes	
6. Parent fractured hip <input checked="" type="radio"/> No <input type="radio"/> Yes	
7. Current smoking <input checked="" type="radio"/> No <input type="radio"/> Yes	
8. Glucocorticoids <input checked="" type="radio"/> No <input type="radio"/> Yes	