

# MITRE / FLUX NOTES **SELECTED CONCEPTS** v14.14

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Drag Interaction to rearrange sections (touch or mouse)

+

Summary

Timeline

Medication

Allergies

Labs

Treatment options

Disease status

✓

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Timeline

Progression

Family

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Symptoms & toxicities

Allergies

Regimen

Directive

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Treatmt. options

Disease status

Imaging

Careplan

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Upon activating minimap edit mode, the main window fades and is disabled. The user can tap elsewhere or on the edit mode button again to leave edit mode.

carcinoma of breast

Search Ella's record

- ✓
- Summary
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- Symptoms & toxicities
- Allergies
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- Directive
- Labs
- Treatmt. options
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- Imaging
- Careplan

Visit Reason Invasive ductal carcinoma of breast

Ms. Ortiz111 had a breast cancer follow up

Summary Invasive ductal carcinoma of breast

Name	<a href="#">Invasive ductal carcinoma of breast</a>
Laterality	<a href="#">Right</a>
Stage	<a href="#">IA</a>

Disease Status	<a href="#">Stable, neither improving nor worsening</a>
As Of Date	<a href="#">27 Sep 2018</a>
Rationale	<a href="#">Missing Data</a>

Key Toxicities

Peripheral motor neuropathy	<a href="#">Grade 3</a>
Blood clots	<a href="#">None</a>
Neutropenia	<a href="#">None</a>
Nausea/Vomiting	<a href="#">None</a>

Recent Lab Results

None

Key Dates

Diagnosis	<a href="#">26 Jul 2016</a>
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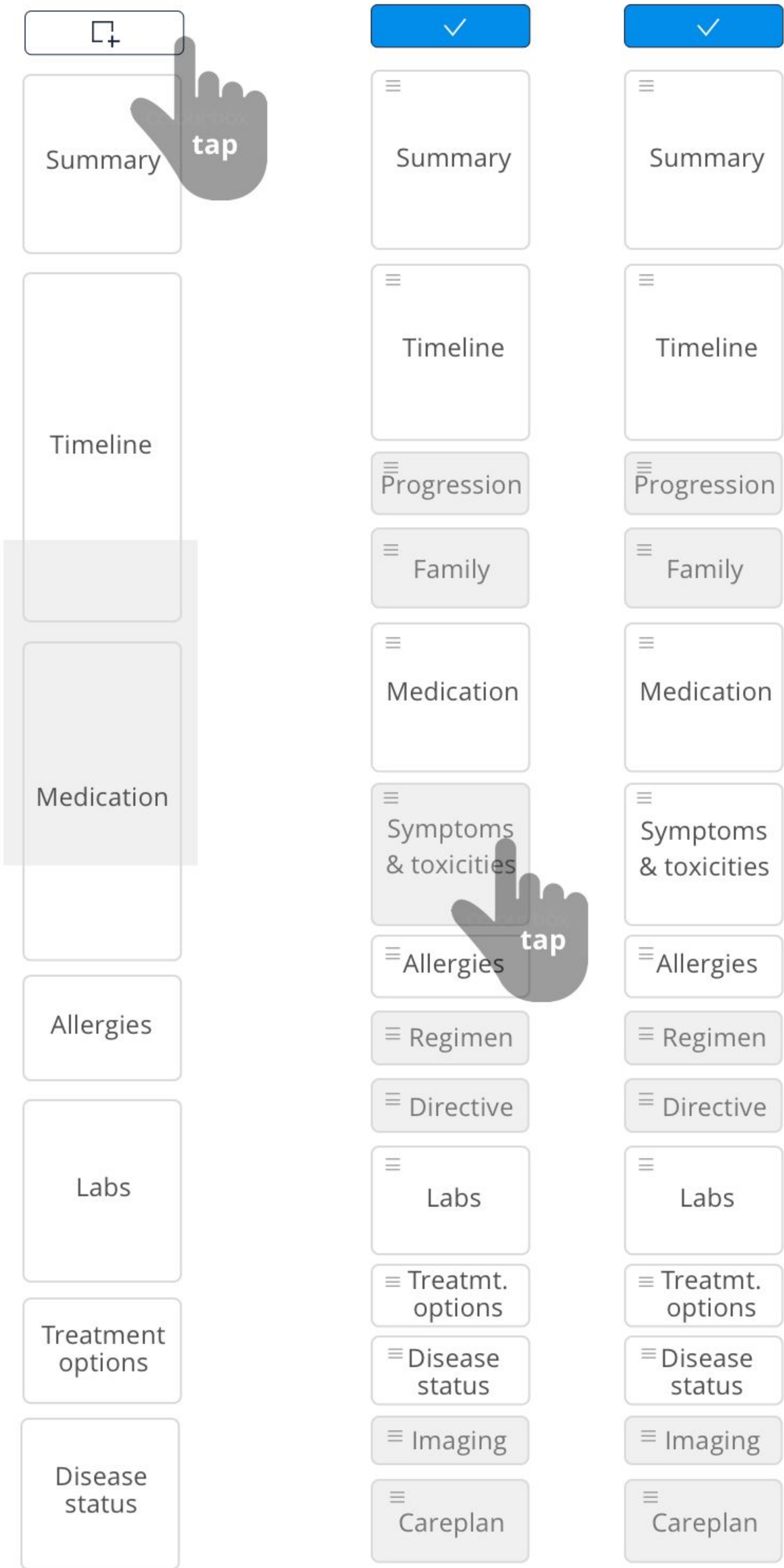
Receptor Status

ER	<a href="#">Negative</a>
PR	<a href="#">Positive</a>
HER2	<a href="#">Positive</a>

Most Recent Visit

Date of Last Visit with You	<a href="#">Missing Data</a>
Date of Last Visit Here	<a href="#">Missing Data</a>
Who Last Visited Here	<a href="#">Missing Data</a>

Hiding and showing is done by clicking/tapping on box, away from drag icon.



Other considerations for minimap design:

- 1) Minimum box height = 20px (very important)
- 2) Minimum height = text height + 4 px (less important for pilot, as this doesn't come up in the /pilot1)
- 3) Line height = 17px. If there are two rows of text, and the box "wants" to be shorter than 38px, drop the line height to 14px. (a nice to have in the future)





## Highlighting and counting search results

If a search string is in the box, but a search result is neither chosen nor moused over, all search results are highlighted on the page.

In addition, the minimap displays badges counting results within each section.

The badges are positioned directly below the section title. The lowest y-position is 1 pixel above the lower border.


**Flux Notes™**  
 Dr. Mona341 Brown483


**Ihanos Tnfinity6**  
 DOB: 08 Jun 1961 (57)  
 Admin. Sex: Male  
 Location: Boston, MA

Condition  
 Gastrointestinal stromal tumor

Disease

Summary

Timeline

Medication

All 1 ies

Labs

Treatments

Disease status

**Summary**
Gastrointestinal stromal tumor

Name	Gastrointestinal stromal tumor
Stage	IIIA
Mitosis	20 per 50 hpf
Disease Status	Stable
As Of Date	11 Oct 2018
Rationale	Missing Data

**Key Toxicities**

Headaches	Grade 2
Skin Rashes	Grade 2
Vomiting	None
Diarrhea	None
Muscle Pains	None

**Recent Lab Results**

None

**Key Dates**

Diagnosis	22 Apr 2016
Recurrence	N/A

**Most Recent Visit**

**Med Onc Follow-up**  
 Signed by: Dr. Mona341 Brown483  
 Source: Hospital X

Signed date: 24 Aug 2016

REASON FOR VISIT:  
 Follow-up for Gastrointestinal stromal tumor

ONCOLOGY HISTORY:  
 Ihanos Tnfinity6 is a 57 year old white Male present with 6 months of abdominal pain. He has been feeling sharp pains in his stomach. CT scan revealed a 6cm mass that seemed to be rising from gastric wall. 6cm mass. Underwent endoscopic biopsy which was non-deterministic. CT-guided biopsy revealed GIST with 15 mitosis/50 hpf. Surgery confirmed GIST. 20 mitoses/50 HPF. Surgical margins negative. Final tumor size 8cm. Adjuvant imatinib starting 16 May 2016.

HISTORY OF PRESENT ILLNESS:  
 Experiencing mild headaches and skin rashes.

ASSESSMENT:  
 toxicity headache grade 2 . toxicity Rash maculo-papular grade 2 . disease status stable

PLAN:  
 Continue imatinib. Take ibuprofen as needed for headaches and use hydrocortizone for rashes. Follow-up in 6 months.

Summary  
**Disease Status: Stable**  
 Disease Status  
 Section: **Disease Status**  
 Med Onc Follow-up 23 Jul 2016  
 Content: **disease** status #stable PLAN: Continue imatinib. T...  
 Med Onc Follow-up 01 Mar 2018  
 Content: **disease** status #stable PLAN: Continue imatinib. T...  
 Med Onc Follow-up 21 Aug 2017  
 Content: **disease** status #stable PLAN: Continue imatinib. T...

Med Onc Follow-up  
 Hospital X

01 Mar 2017  
 Med Onc Follow-up  
 Hospital X

28 Nov 2016  
 Med Onc Follow-up  
 Hospital X

26 Aug 2016



## Point-of-Care and Contexts

- 1) **The user should not be allowed to fail.** Currently, the user is permitted to enter a placeholder with no context, which leads to an error at the point-of-care. Two options guarantee this:
  - a) The placeholders are treated as other shortcuts. They are only accessible when the proper context is open.
  - b) Including a placeholder out of context automatically inserts an appropriate context.
- 2) Placeholders should have a context defined by the note text. Not by the global context defined by the cursor position. Any strange behavior (errors and *incorrect data capture*) caused by the current engineering implementation appears as broken software.

## What's Next

- 1) Treatment Options - providing interactive customization and personalization to the data and its presentation. Improving the visualization design.
- 2) Improve the Sidebar/Tray navigation. The flow of opening/closing notes and selecting the mode of note editing is a little confusing and unclear.
- 3) Revisit usability and the POC. Investigate those elements identified as problematic such as the "complete" box. Provide suggestions for incremental improvements and/or alternative approaches.