

MITRE / FLUX NOTES **CONCEPTS v16.2** – Capture guidance

DANIEL REEVES, JUHAN SONIN, 26.Mar.2019



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USER GUIDANCE FOR # CAPTURES

Concepts:

1. add highlight to shortcut menu
2. “get help” prompts with options
3. expand into unfinished # phrases
4. open GUI

Highlight in shortcut menu

After a capture context is opened, such as `#toxicity`, the user is expected to add more capture shortcuts immediately. Cue the user by highlighting the expected attributes classes in the shortcuts menu.

Progress note

signed by: Dr. Bran24 Michel09A created date: 10 April 2018

source: Dana Farber Cancer Institute

B / U ≡ 1≡ 2≡ 3≡ | *Invasive ductal carcinoma of breast | toxicity*

Allergies
no allergies

Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
Patient is experiencing `#toxicity` |

Plan

Shortcuts

- Toxicity - grade**
`#grade 2`
`#grade 3`
`#grade 4`
- Toxicity - adverse event**
`#anemia`
`#diarrhea`
`#nausea`
`#fatigue`
- Invasive ductal carcinoma**
`#staging`
`#disease status`
`@ONCOHIST`
`#toxicity`

Guidance prompt

Appears after a short delay if a # or @ phrase has not been started.

Considerations:

- does it go away if a different word is started after # phrase, such as "is"?
I think NO. It stays.
- To minimize intrusiveness, do not select the action by default. Require a keyboard down or tab.

Progress note

signed by: Dr. Bran24 Michel09A started date: 10 April 2018
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B / U ⌂ ⌃ Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
Patient #disease status|

Plan get help with disease status >

Disease status - status
#complete response
#complete resection
#responding

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Disease status
#reference data
#as of

keyboard down or tab to select help

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B / U ⌂ ⌃ Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
Patient #disease status|

Plan get help with disease status >

expand
open GUI
preferences

Disease status - status
#complete response
#complete resection
#responding

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Disease status
#reference data
#as of

note: until GUI is implemented, [DISCUSS]

the user can customize the behavior of the help prompts.

<input checked="" type="radio"/> always prompt
<input type="radio"/> never prompt
<input type="radio"/> always get help
<input checked="" type="radio"/> choose help action
<input type="radio"/> always expand
<input type="radio"/> always open GUI

<input type="radio"/> always prompt
<input checked="" type="radio"/> never prompt
<input type="radio"/> always get help
<input type="radio"/> choose help action
<input type="radio"/> always expand
<input type="radio"/> always open GUI

The guidance prompt appears for nested contexts as well, such as "#as of" and "#reference date".

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B / U ⌂ ⌃ Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
Her #disease status is progressing, as of|

Plan get help with as of >

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

expand

The user chooses "expand" and all the attribute classes are printed as # or @ shortcuts with the accompanying formatted text.

Some shortcuts are not available in the tray, but are placeholders for class attributes such as #status or #reason.

Some shortcuts in the expansion are exactly those in the tray, so those are removed from the tray ("#reference date" and "#as of").

The user keyboards **return** to insert "stable." The UI immediately displays the next menu (#reason) to pick the next missing element.

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B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
4 ● Patient #disease status is **#status** due to **#reason** relative to **#reference date**, **#as of**.

Plan
stable
complete resection
complete response
progressing
responding

remove #status
remove and stop showing

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - status
#complete response
#complete resection
#responding

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

Progress note
signed by: Dr. Bran24 Michel09A started date: 10 April 2018
source: Dana Farber Cancer Institute

B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
3 ● Patient #disease status is **stable** due to **#reason** relative to **#reference date**, **#as of**.

Plan
pathology
imaging
symptoms
physical exam
markers

remove #reason
remove and stop showing

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

The user may keyboard **esc** or click away to dismiss the menu.

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B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
3 ● Patient #disease status is **stable** due to **#reason** relative to **#reference date**, **#as of**.

Plan
pathology
imaging
symptoms
physical exam
markers

remove #reason
remove and stop showing

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Disease status - as of
#date

Invasive ductal carcinoma
#staging

The user uses mouse to select #pathology from shortcuts menu. regardless of cursor location within the #disease status context, pathology replaces #reason.

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B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
2 ● Patient #disease status is **stable** due to **pathology** relative to **#reference date**, **#as of**.

Plan
pathology
imaging
symptoms
physical exam
markers

remove #reference date
remove and stop showing

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - as of
#date

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

The user clicks "#reference date" and selects to remove that element from the expanded text.

The user can select to omit #reference date from all future expansions as well.

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B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
2 ● Patient #disease status is **stable** due to **pathology** relative to **#reference date**, **#as of**.

Plan
today
choose date

remove #reference date
remove and stop showing

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - as of
#date

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

After removing an element, such as #reference date, the text reformats to remove "relative to". Note that if the user has already changed the preformatted text by hand, this creates a conflict. Three solutions are:

- 1) do not allow editing
- 2) reformat over the manual edits
- 3) do not reformat if the string has been tampered with (preferred)

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B / U ⌂ ⌂ | Invasive ductal carcinoma of breast | disease status

Allergies
no allergies

> Medications
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
1 ● Patient #disease status is **stable** due to **pathology**, **#as of**.

Plan
#as of

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - as of
#date

Invasive ductal carcinoma
#staging
#disease status
@ONCOHIST
#toxicity

open GUI

displays window GUI or inline GUI (see Concepts 15.3)

Progress note

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B / U ≡ ≡ | *Invasive ductal carcinoma of breast | disease status*

Allergies
no allergies

> **Medications**
imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment
Patient #disease status

Plan disease status is Complete Response done

Status	Complete response	Complete resection	Responding	Stable
	Progressing	Inevaluable		

Rationale (select multiple) Pathology Imaging Markers Symptoms Physical exam

Reference Date select a date ▾

As of Date Nov. 28, 2018 ▾

Templates
Shortcuts
Placeholders

Search shortcuts

Disease status - status
#complete response
#complete resection
#responding

Disease status - reason
#pathology
#imaging
#symptoms
#physical exam

Disease status
reference data
as of