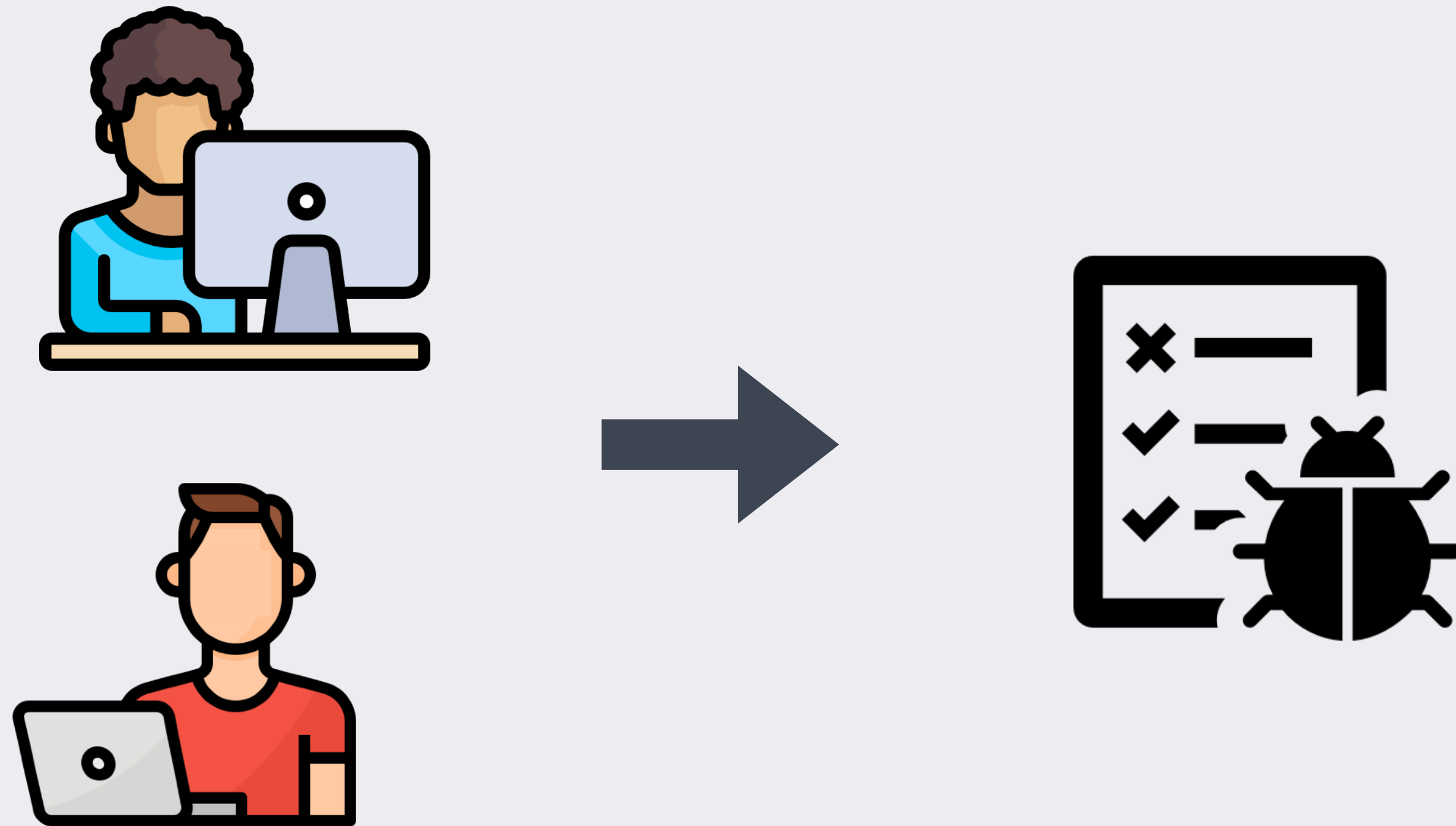

REPORTING SOFTWARE BUGS



Users and developers *report bugs* when *software does not behave as expected*

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COMPONENTS OF A BUG REPORT

MetaData

Bug 101434 - [Contexts] performance: Slow cursor navigation in Text fields

Status: VERIFIED FIXED

Reported: 2005-06-23 09:08 EDT by Tom Hofmann 

Alias: None

Modified: 2005-09-26 13:45 EDT ([History](#))

CC List: 6 users ([show](#))

Product: Platform

Component: UI ([show other bugs](#))

See Also:

Version: 3.1 

Hardware: PC Linux-GTK

Importance: P2 major ([vote](#))

Target Milestone: 3.1.1 

Assignee: Douglas Pollock 

Attachments		
updateShellKludge.zip (5.07 KB, application/x-zip-compressed) 2005-06-23 10:30 EDT, Tom Hofmann 	no flags	Details
Patch to "org.eclipse.ui.workbench" (3.96 KB, patch) 2005-06-23 11:44 EDT, Douglas Pollock 	no flags	Details Diff

COMPONENTS OF A BUG REPORT

Attachments

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updateShellKludge.zip (5.07 KB, application/x-zip-compressed) 2005-06-23 10:30 EDT, Tom Hofmann 	<i>no flags</i>	Details
Patch to "org.eclipse.ui.workbench" (3.96 KB, patch) 2005-06-23 11:44 EDT, Douglas Pollock 	<i>no flags</i>	Details Diff
Add an attachment (proposed patch, testcase, etc.) Show Obsolete (1) View All		

Note

You need to [log in](#) before you can comment on or make changes to this bug.

Tom Hofmann 

2005-06-23 09:08:52 EDT

[Description](#)

N20050623-0010-gtk

Not sure whether this is my particular install or a new problem.

With the above build, cursor navigation in any text field is extremely slow.

Steps:

- open the Find dialog (alternatively: open the preference dialog, or the Team>Create Patch wizard)
- in a text field, enter some text, at least 20 characters
- press and hold the `ARROW_LEFT` / `_RIGHT` keys

COMPONENTS OF A BUG REPORT

Description

Tom Hofmann  2005-06-23 09:08:52 EDT

[Description](#)

N20050623-0010-gtk

Not sure whether this is my particular install or a new problem.

With the above build, cursor navigation in any text field is extremely slow.

Steps:

- open the Find dialog (alternatively: open the preference dialog, or the Team>Create Patch wizard)
- in a text field, enter some text, at least 20 characters
- press and hold the ARROW_LEFT / _RIGHT keys

Expected: I see the caret move through the entered text

Actual: The cursor does not visibly change its position until after releasing the key plus some delay.

Notes:

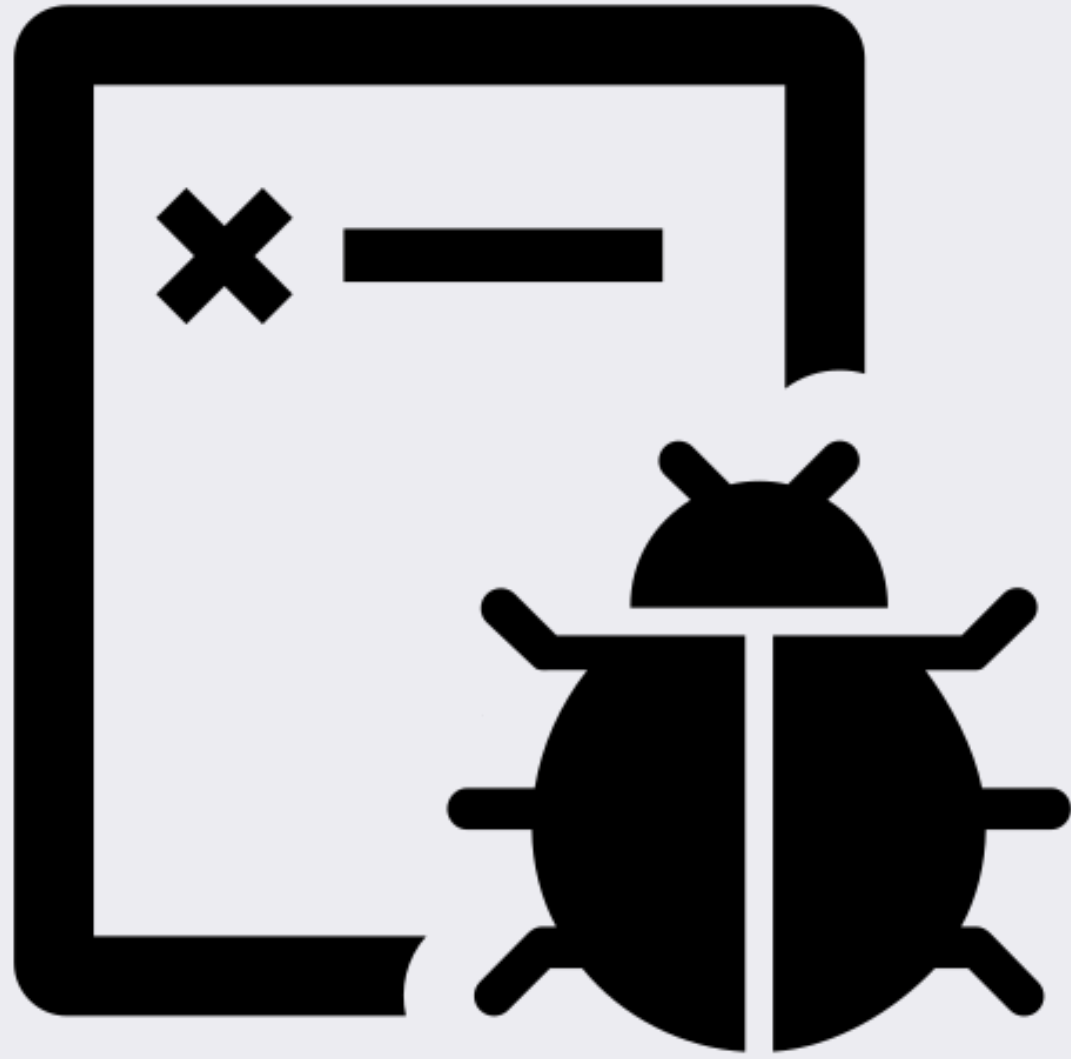
- keyboard repeat rate is at the default
- the same works fine (+/- at least nowhere near the slowness of Text fields) in text editors
- other applications do not show this behavior

This is quite bad as the caret cannot be placed reliably this way. Will try to reproduce with an SWT-only example.

ST

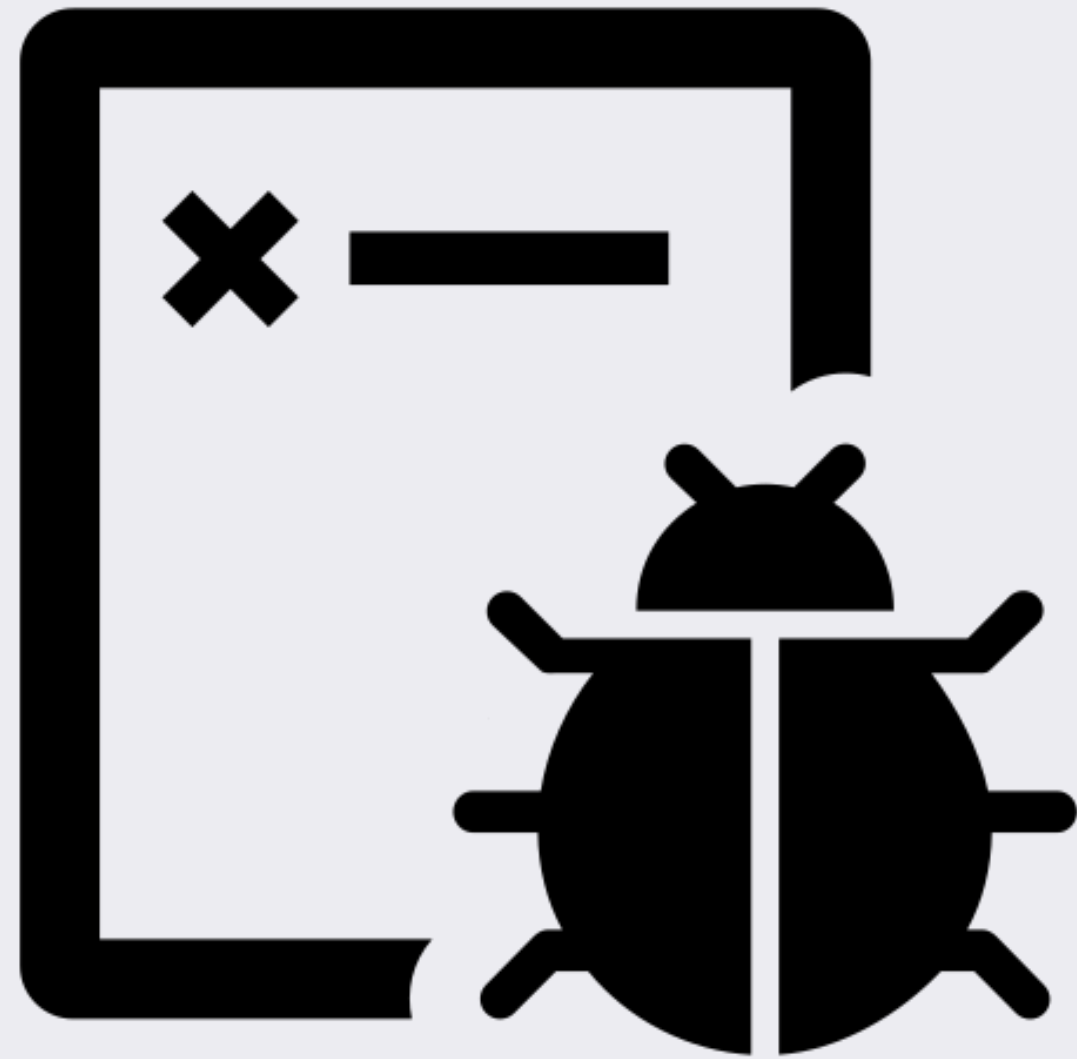
STEPS TO REPRODUCE ARE OFTEN...

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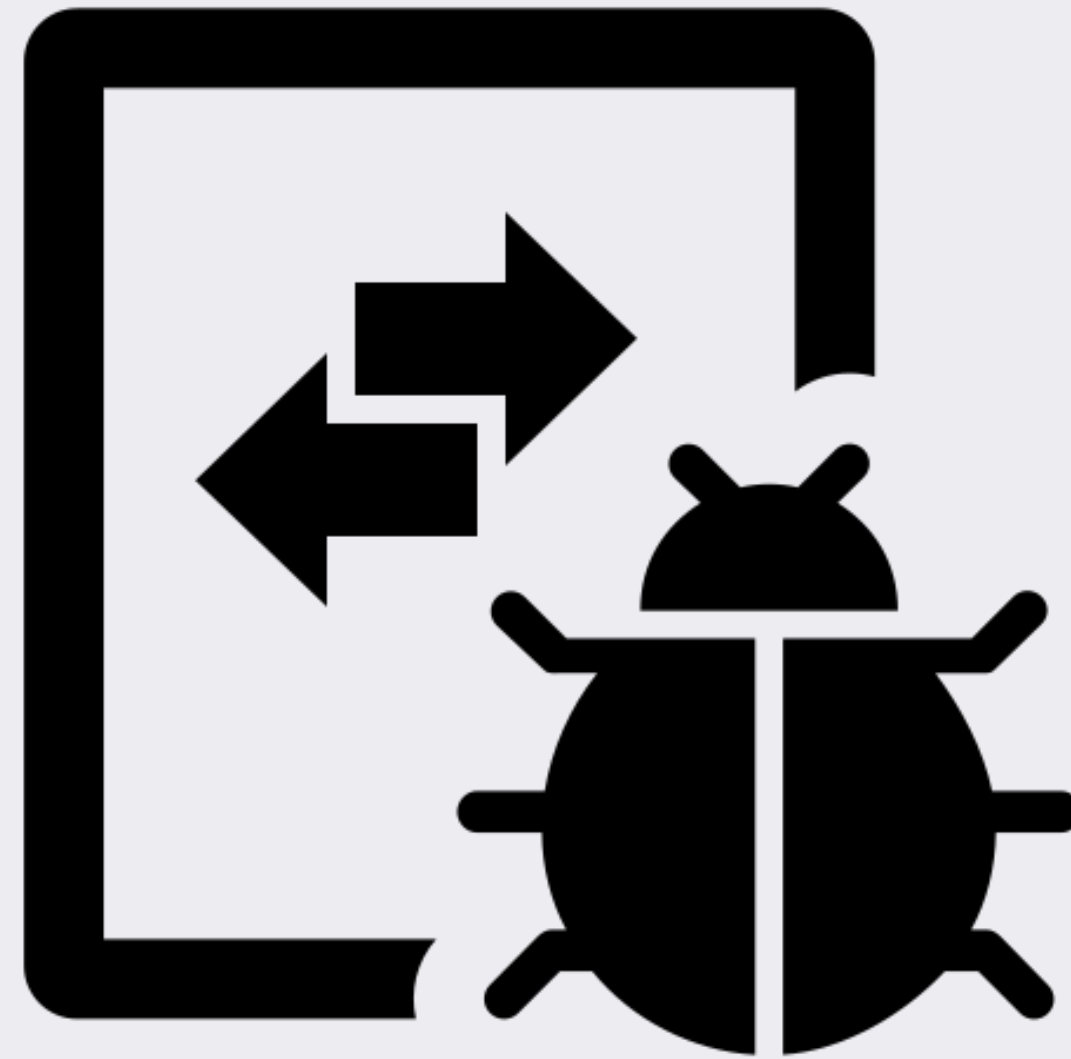


Missing

STEPS TO REPRODUCE ARE OFTEN...

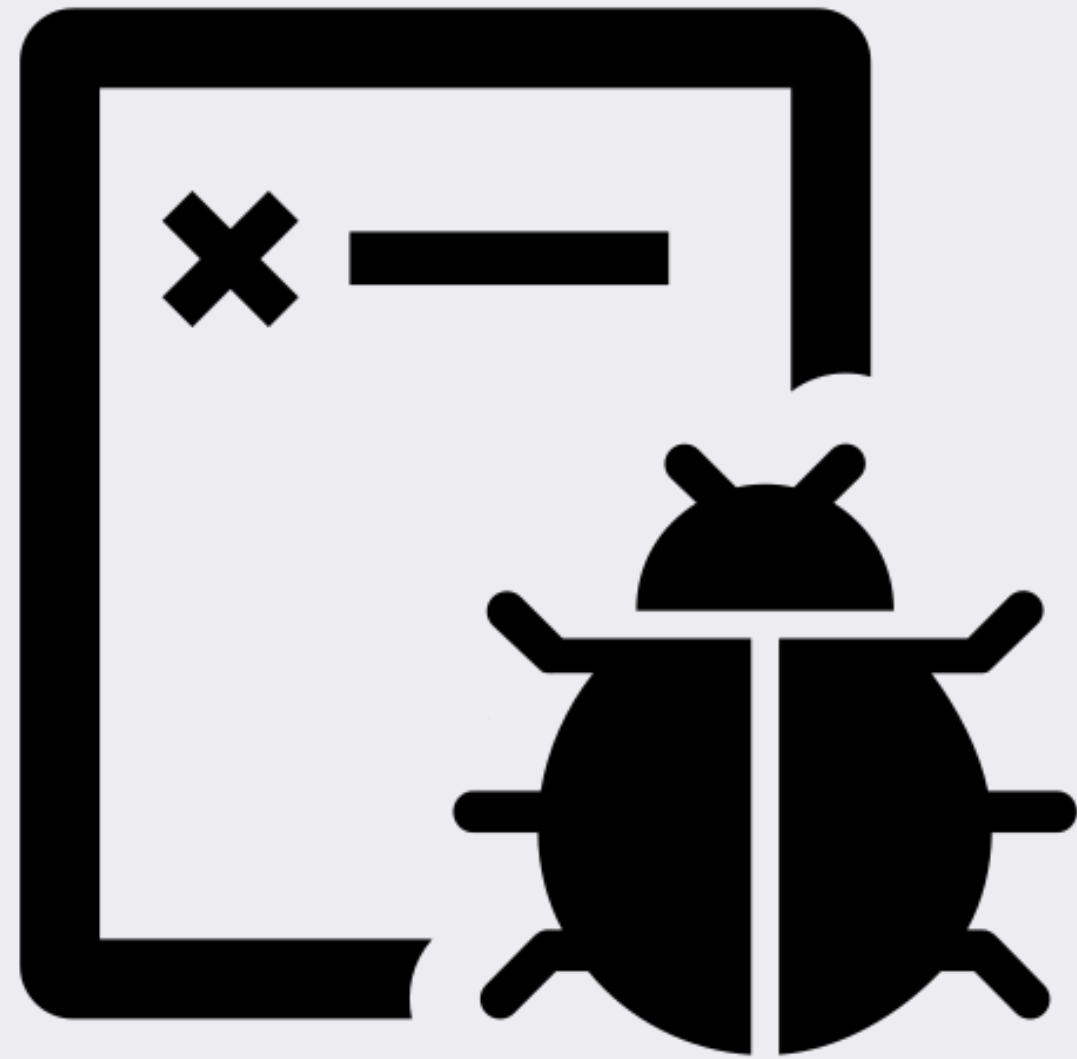


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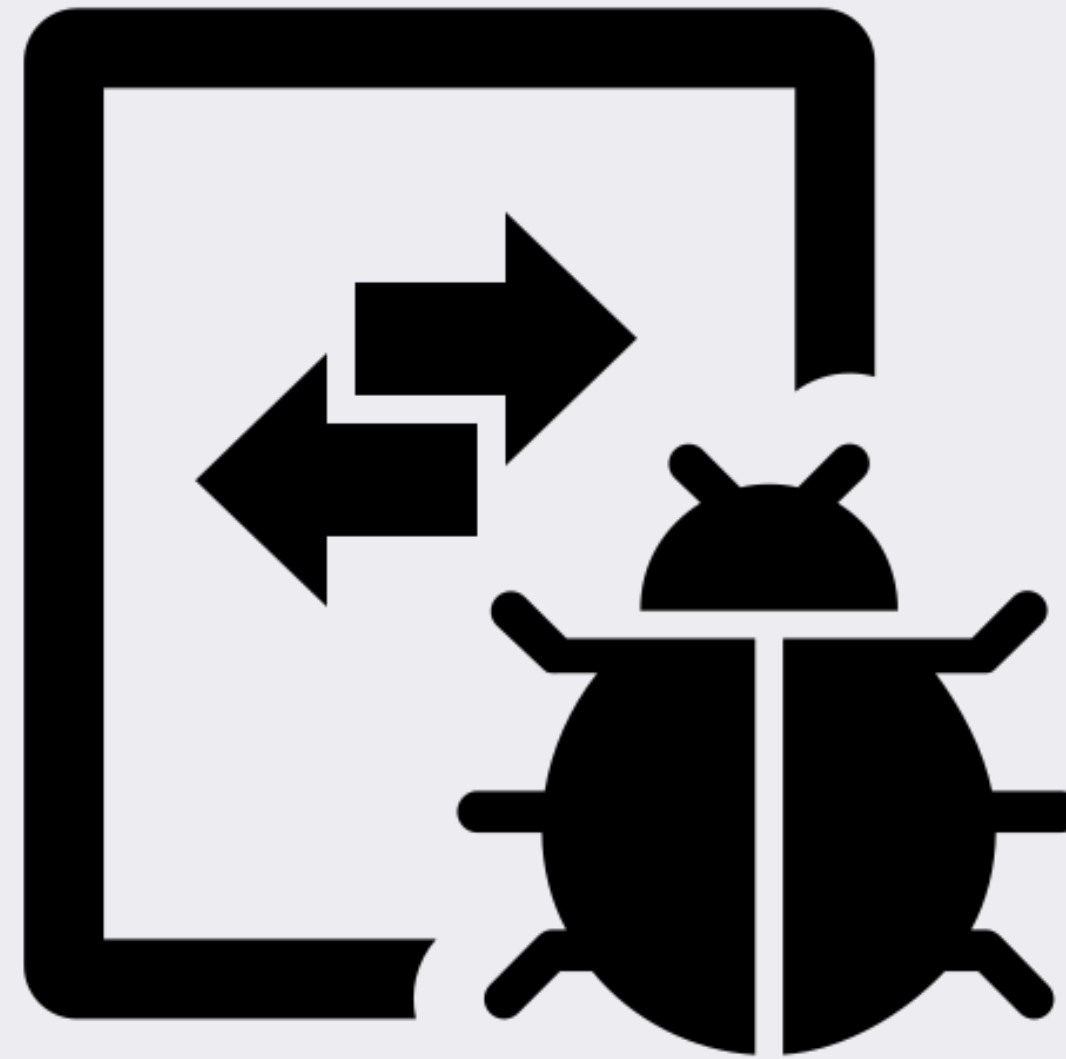


Ambiguous

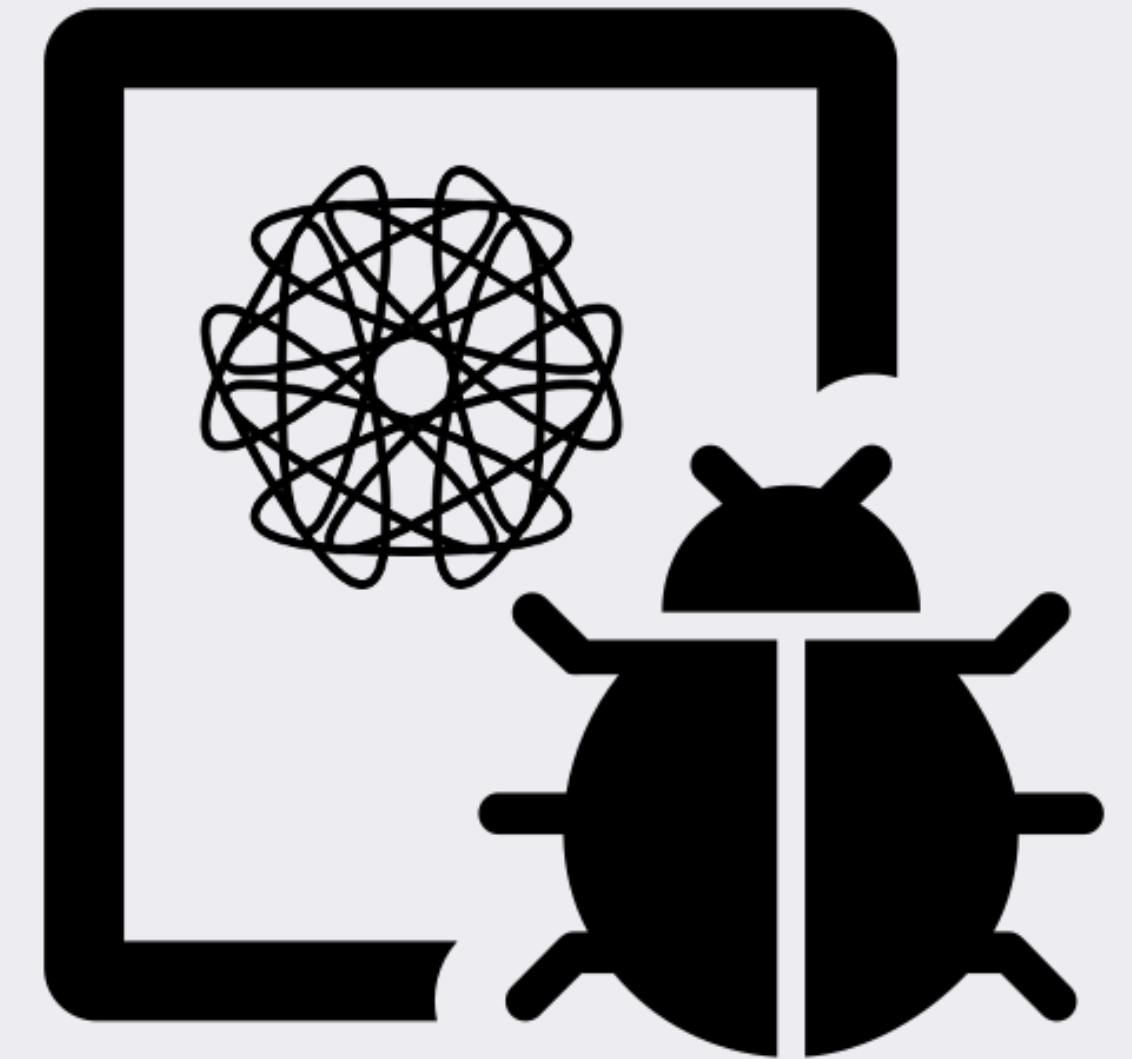
STEPS TO REPRODUCE ARE OFTEN...



Missing



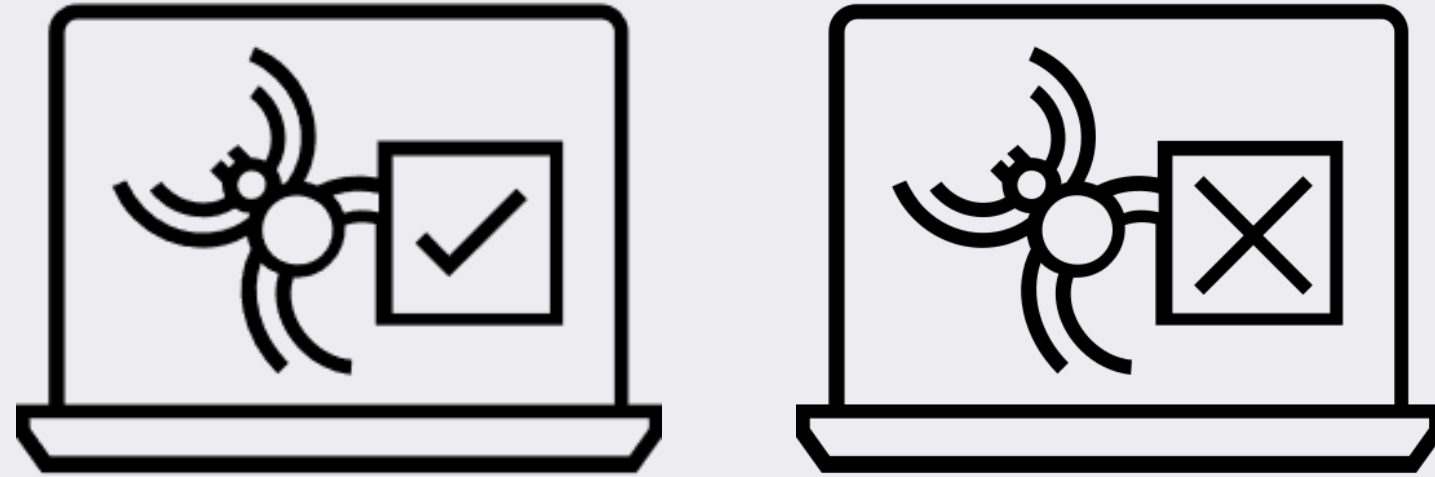
Ambiguous



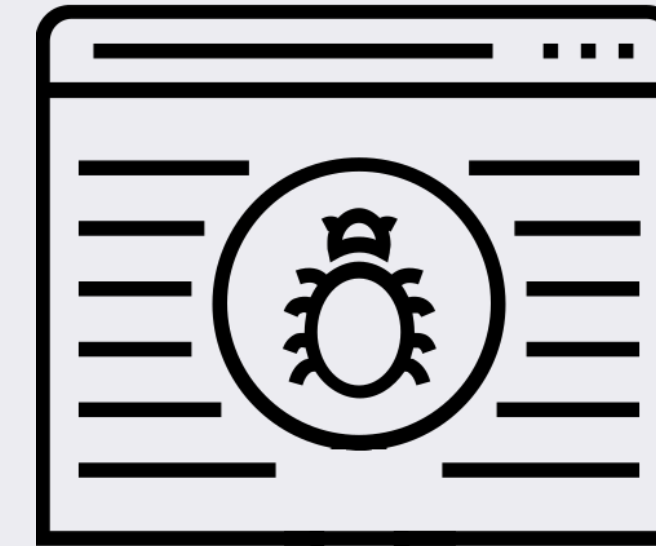
Incomplete

THE IMPACT OF LOW-QUALITY S2Rs

THE IMPACT OF LOW-QUALITY S2Rs

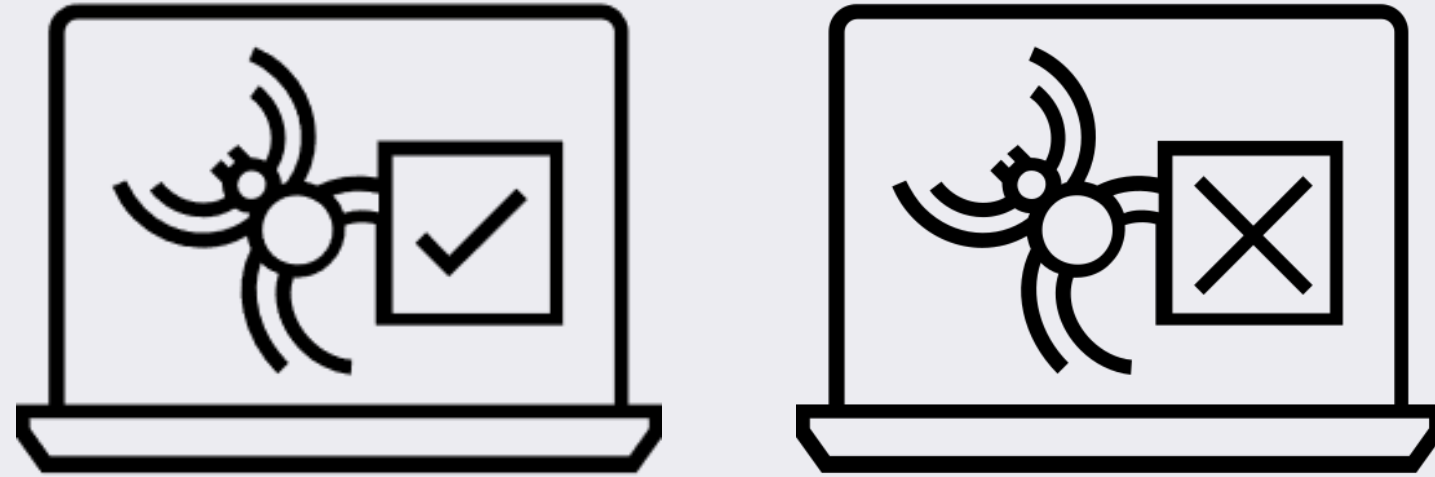


Non-Reproducible Bugs
[Erfani Joorbachi et.al., MSR'14]



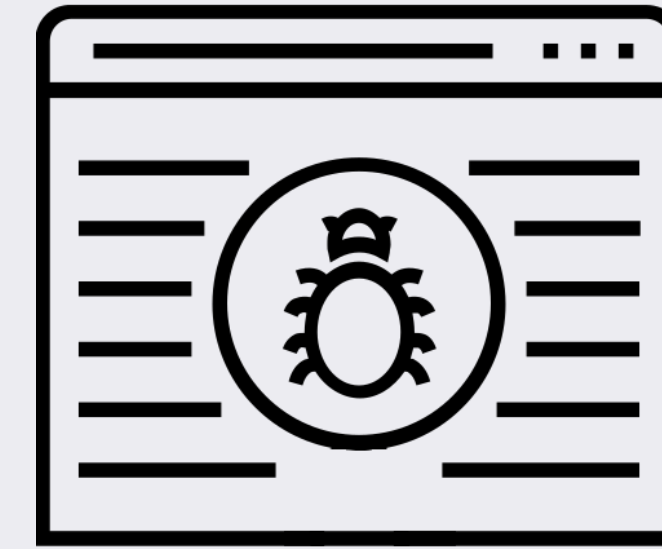
Unfixed Bugs
[Zimmerman et.al., ICSE'12]

THE IMPACT OF LOW-QUALITY S2Rs



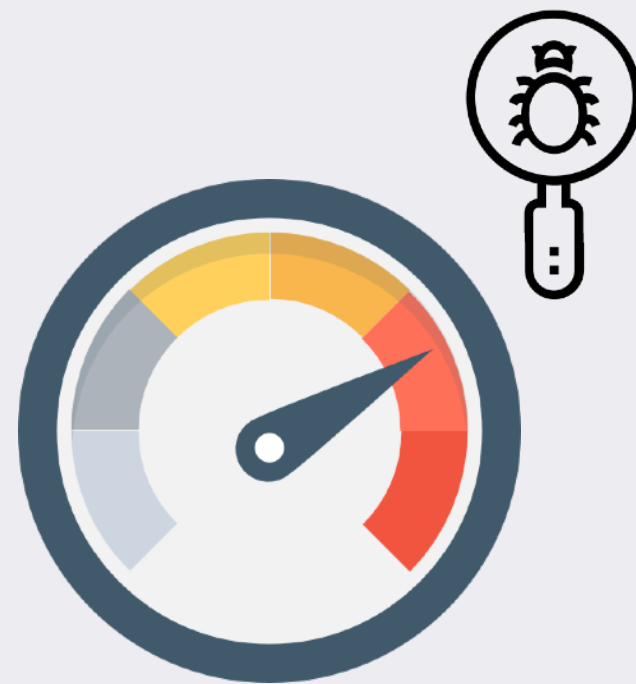
Non-Reproducible Bugs

[Erfani Joorbachi et.al., MSR'14]



Unfixed Bugs

[Zimmerman et.al., ICSE'12]



Additional Bug Triage

[Breu, et.al., CSCW'10
& Zimmerman, et. al., ICSE'12]



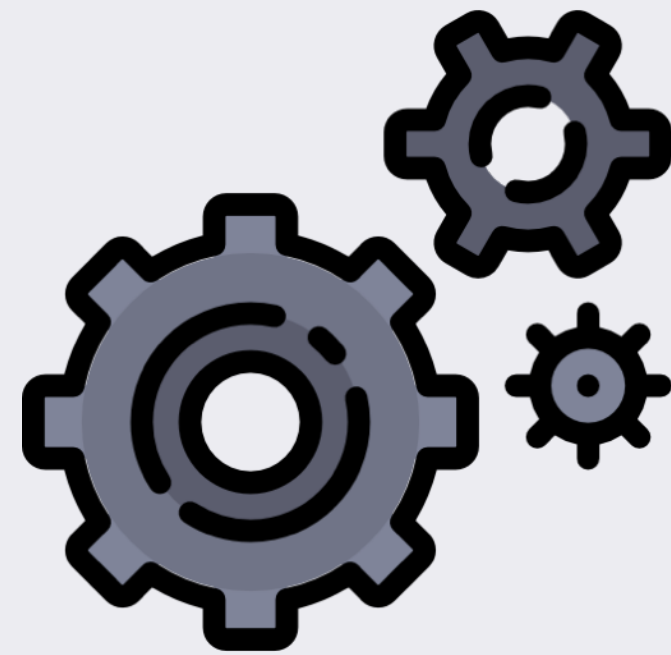
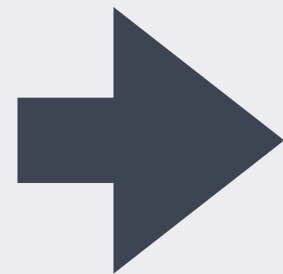
Delay in Bug Resolution

[Guo, et. al., ICSE'10
& Zimmerman, et. al., ICSE'12]

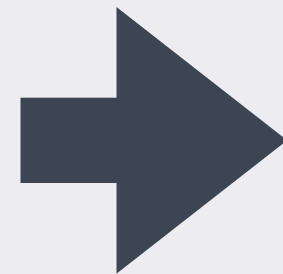
EULER: ASSESSING THE QUALITY OF S2Rs



Bug
Report

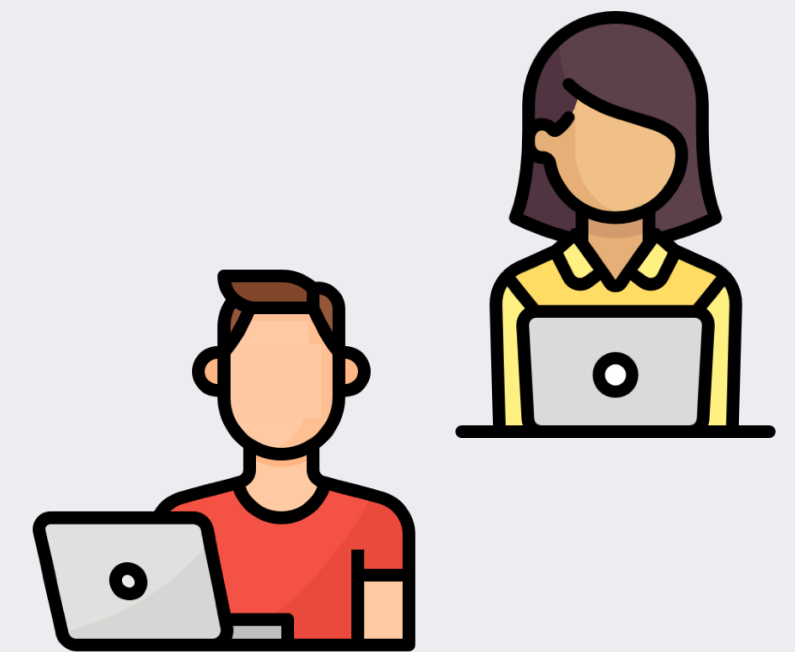
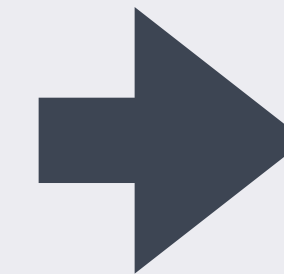


EULER



#	S2R	Quality Annotations
1	S ₁	EM MS
2	S ₂	AS
3	S ₃	VM

Quality Report

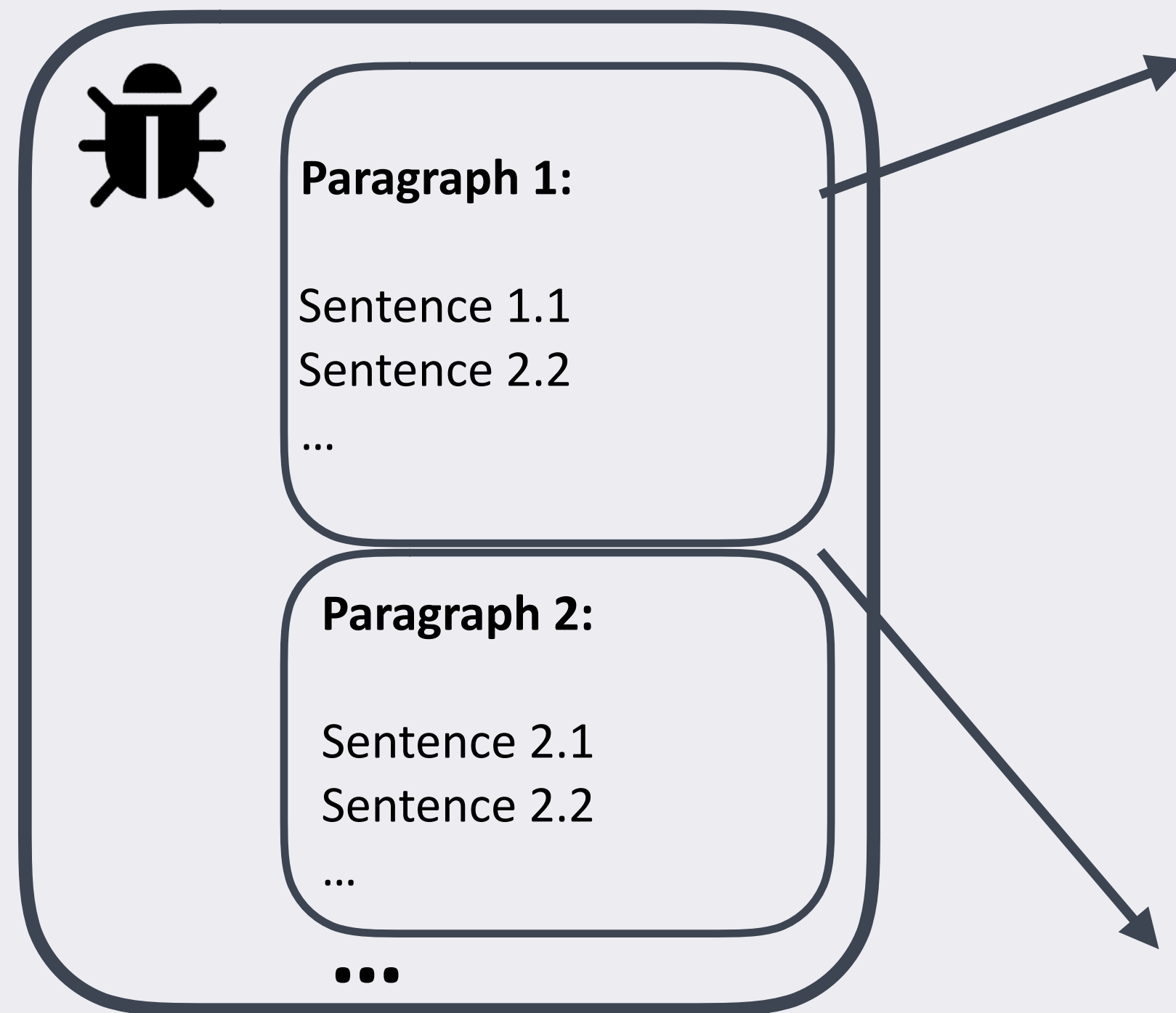


Reporters

EULER'S COMPONENTS & WORKFLOW

MODEL INPUT + DATASET LABELS

Bug Report: Paragraphs, Sentences, Words

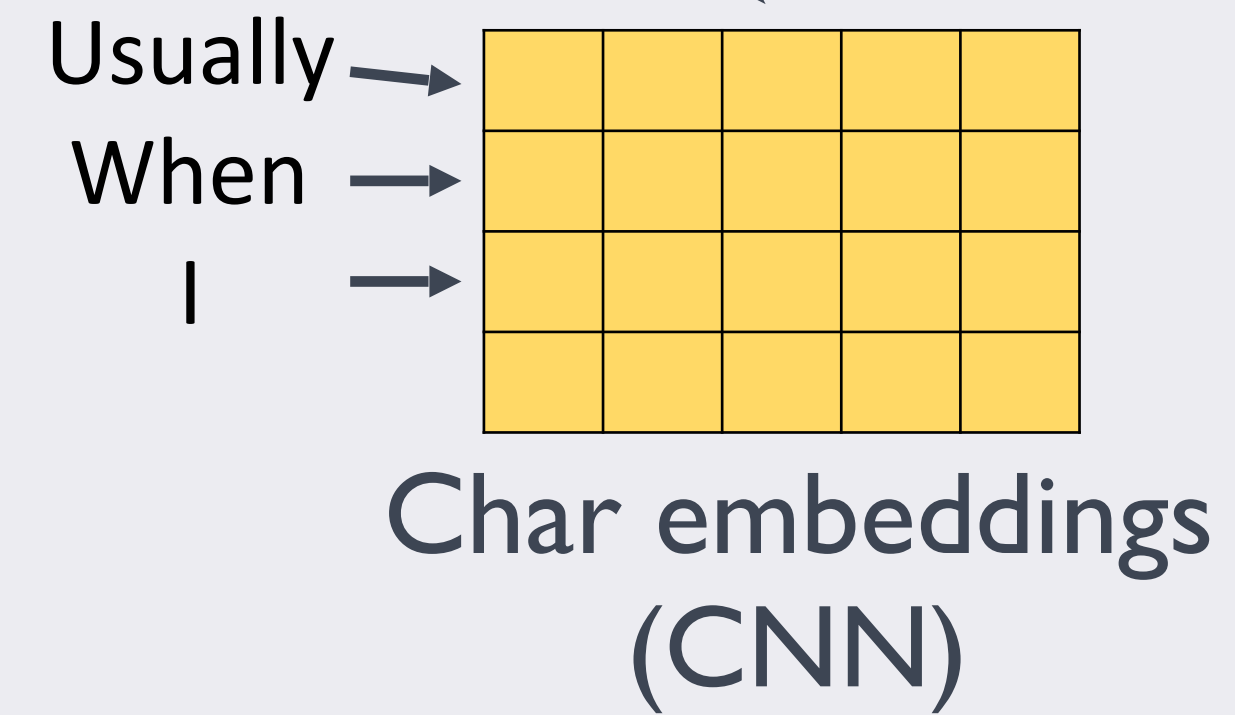
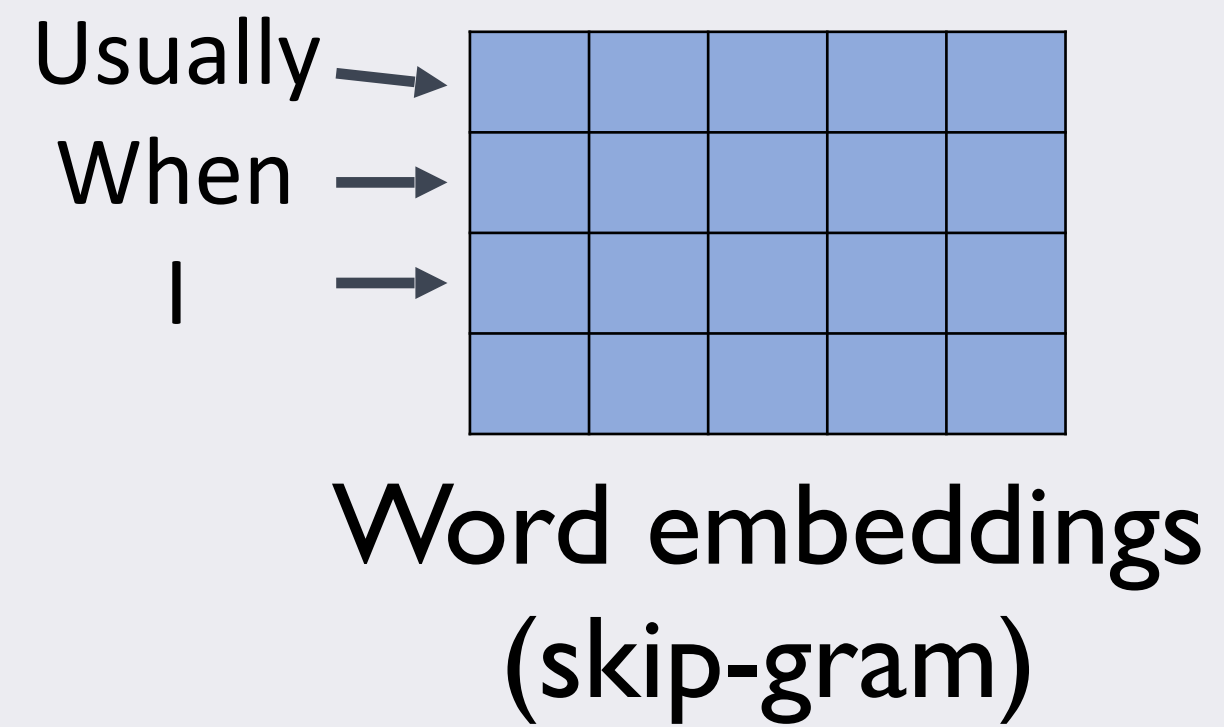


WORD REPRESENTATIONS

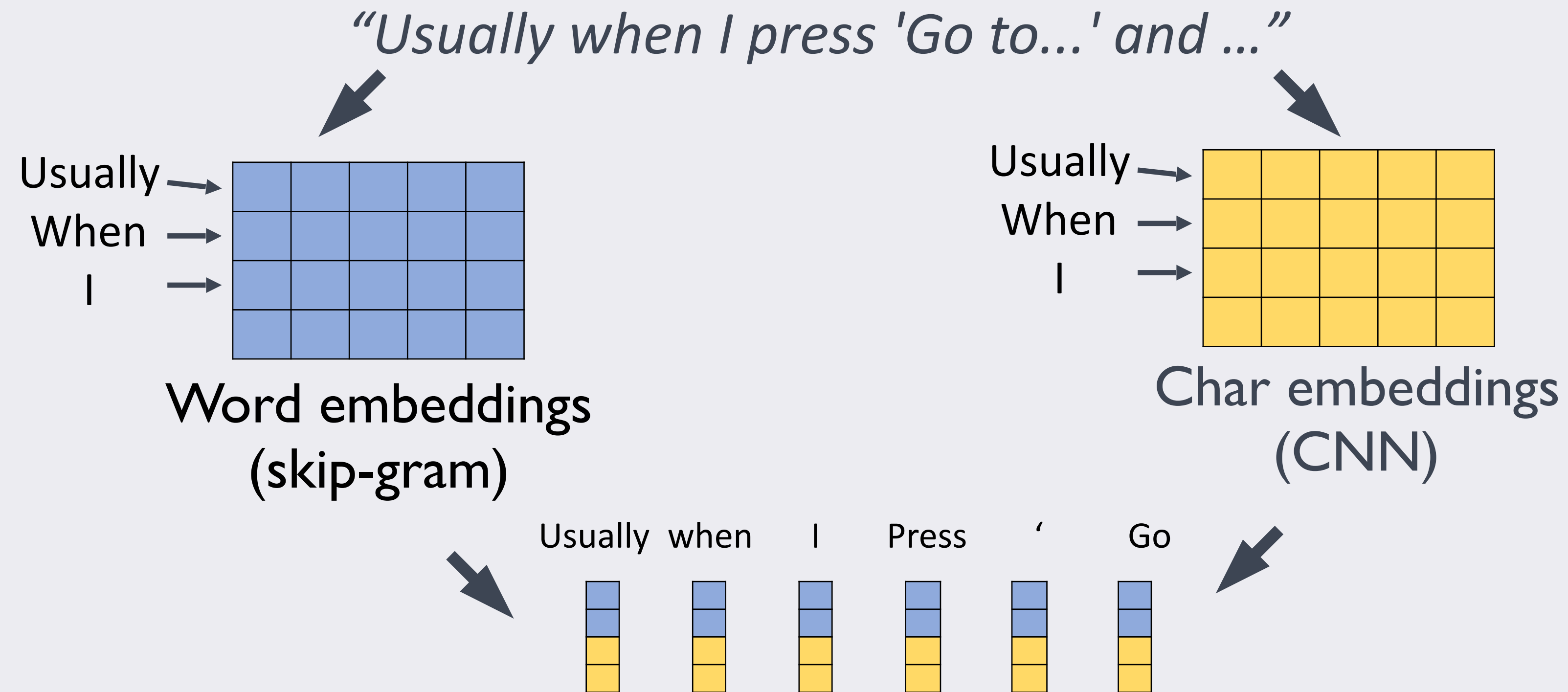
“Usually when I press 'Go to...' and ...”

WORD REPRESENTATIONS

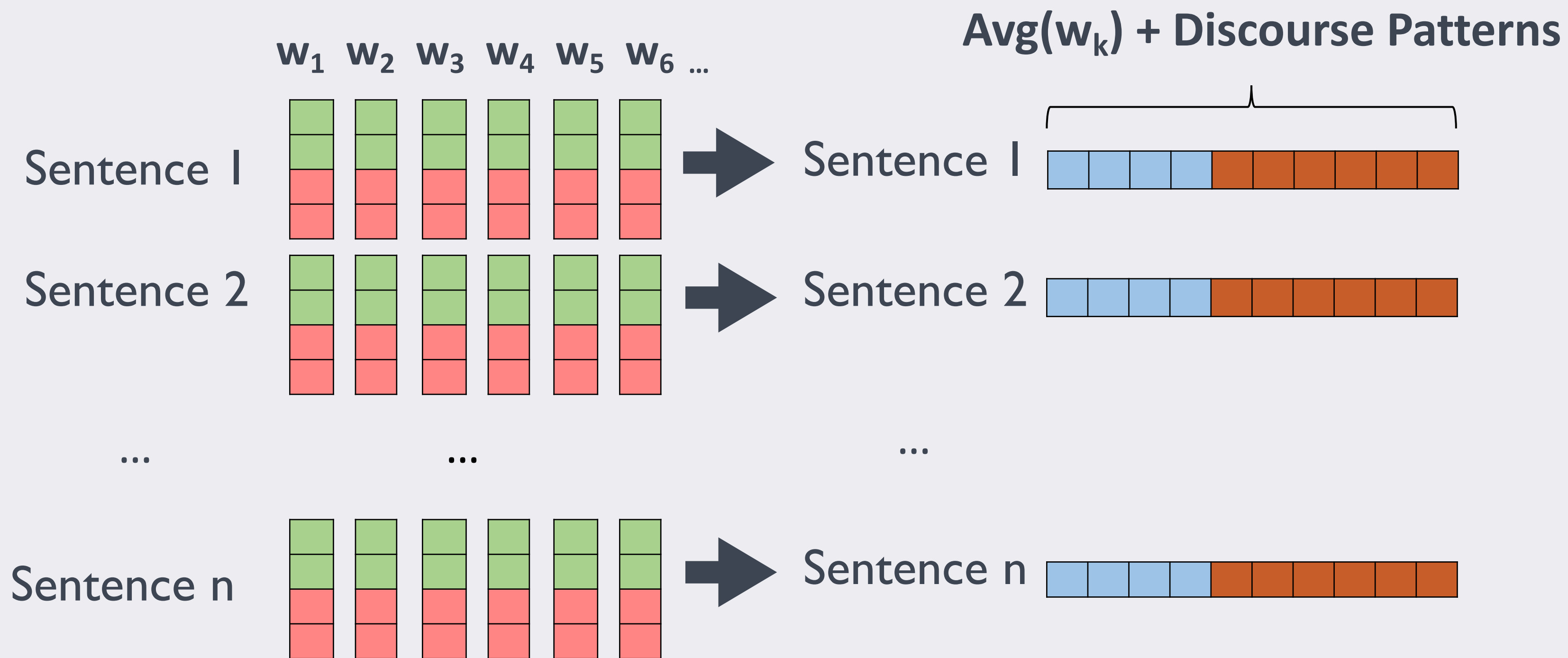
“Usually when I press 'Go to...' and ...”



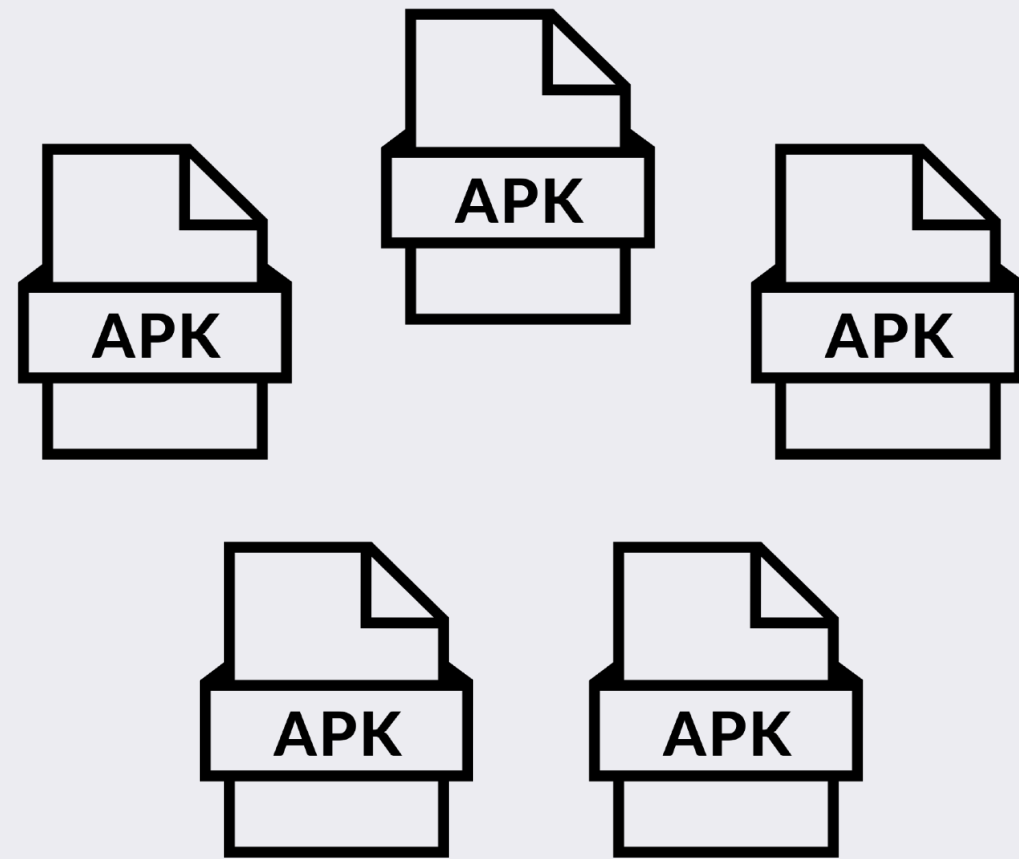
WORD REPRESENTATIONS



SENTENCE REPRESENTATION & INFERENCE



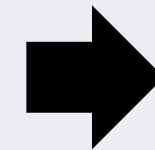
EXECUTION MODEL GENERATION



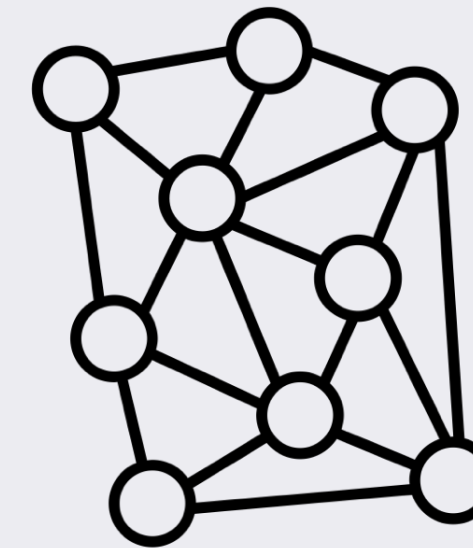
Application Installer

EXECUTION DATABASE TRANSFORMATION

Execution database



Execution Model (EM)



$$EM = (V, E)$$



S2R EXECUTION & INFERENCE

Matched S2Rs to
app interactions

[press] ['Go to...']

[type] [number]

[press] ['Go']

