

Summary of MarkersIntersectingRange-Series Patches

Copied from <https://codereview.chromium.org/2960473002/#msg6>:

My main goal is to be able to efficiently implement `TextSuggestionController::HandlePotentialTextSuggestionTap()` in my Android spell check CL (<https://codereview.chromium.org/2931443003>). I'm also trying to clean up some spell check code that I've polluted by adding stuff I no longer need.

Step 1: add some methods to `DocumentMarkerController` so we can get the markers intersecting/touching the selection without copying the whole list out and doing a linear scan.

Add `MarkersIntersectingRange()` to `DocumentMarkerList`:

<https://codereview.chromium.org/2952953002> (#1)

Add `MarkersIntersectingRange()` to `DocumentMarkerController` (calls the one on `DocumentMarkerList` for each type/node pair):

<https://codereview.chromium.org/2948133004> (#2)

(Prereq for this patch: make `DocumentMarkerControllerTest` use `EditingTestBase`:

<https://codereview.chromium.org/2959103002> (#1.9))

yosin said we should also have a `MarkerIntersectingRange()` method that takes a single node and returns a single marker, so I'm adding that too:

<https://codereview.chromium.org/2960473002> (#2.1)

Step 2: clean up the spell check code.

Make `SpellChecker::GetSpellCheckMarkerTouchingSelection()` not handle the Android-only case where you touch the endpoint of a word (we're going to handle that in `TextSuggestionController`):

<https://codereview.chromium.org/2954763002> (#2.9)

Make `GetSpellCheckMarkerTouchingSelection()` use `DMC::MarkerIntersectingRange()`:

<https://codereview.chromium.org/2947093003> (#3)

Make `ContextMenuClient::SelectMisspellingAsync()` use

`GetSpellCheckMarkerTouchingSelection()`: <https://codereview.chromium.org/2959553002> (#4)

After this, I'm going to go back to working on the editing code in my Android spell check menu CL:

<https://codereview.chromium.org/2931443003>

I put up a couple other CLs to fix minor things I noticed while I was working on the other CLs:

- Optimize DMC::MarkerAtPosition() using DML::MarkersIntersectingRange():

<https://codereview.chromium.org/2949333002>

- Comment/test for DocumentMarkerList::MarkersIntersectingRange() with collapsed range:

<https://codereview.chromium.org/2953183004>

- Clean up DMC::MarkersFor()

<https://codereview.chromium.org/2956453002>