

Robust Anchoring

How to make our notes really stick

Where do we come from?

- Baseline: OKFN Annotator
- Goals:
 - Different UI and workflow, app integration
 - Improved/changed internals
- Current situation:
 - Fork + Integration (sorry, folks)
 - We are in the process of upstreaming everything

More formats

- Baseline: web document
- Generic requirements
- Other formats
 - PDF.js
 - Epub.js
 - Scribd ?
 - Google docs?

More information stored

- Baseline: XPath range
- Define target with generic selectors
 - Multiple targets per annotation
 - Multiple selectors per target
- New selectors:
 - RangeSelector
 - TextPositionSelector
 - TextQuoteSelector

More matching strategies

- Baseline: apply XPath
- Define interface
- Improved strategies
 - From position selector
 - Context-aware fuzzy matching
 - Simply fuzzy matching

Two-phased anchoring

- Baseline process
- Problem: lazy rendering
- Proposed solution: two-phased rendering
 - a. Step 1: create an anchor (based on corpus)
 - b. Step 2: render highlight

Typed anchoring

- Baseline: text highlights
- Abstract type (for anchors and highlights)
- Custom anchor/highlight types
 - Image annotations via Annotorious
 - More to come

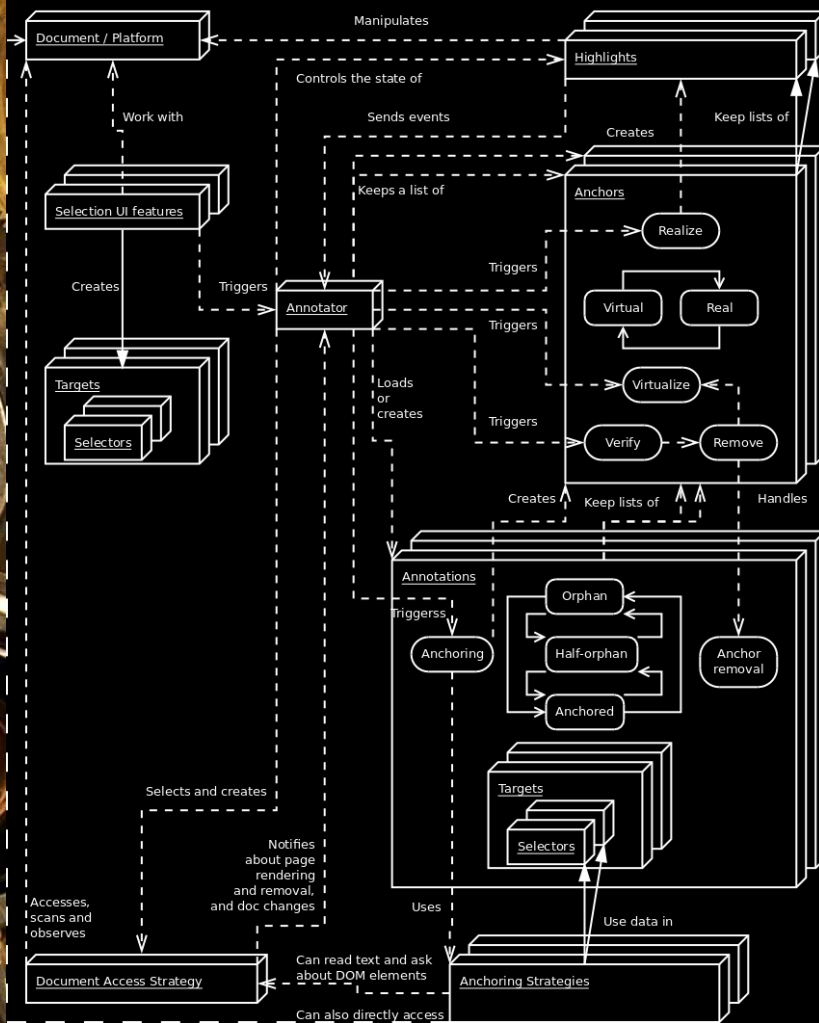
Dynamic anchoring

- Baseline: doc is stable, anchoring is forever
- Problem: dynamic sites
- Proposed solution: dynamic anchoring
 - Observe DOM change
 - Anchoring states: orphan, half-orphan, anchored
 - Anchoring-on-demand
 - Verify, remove

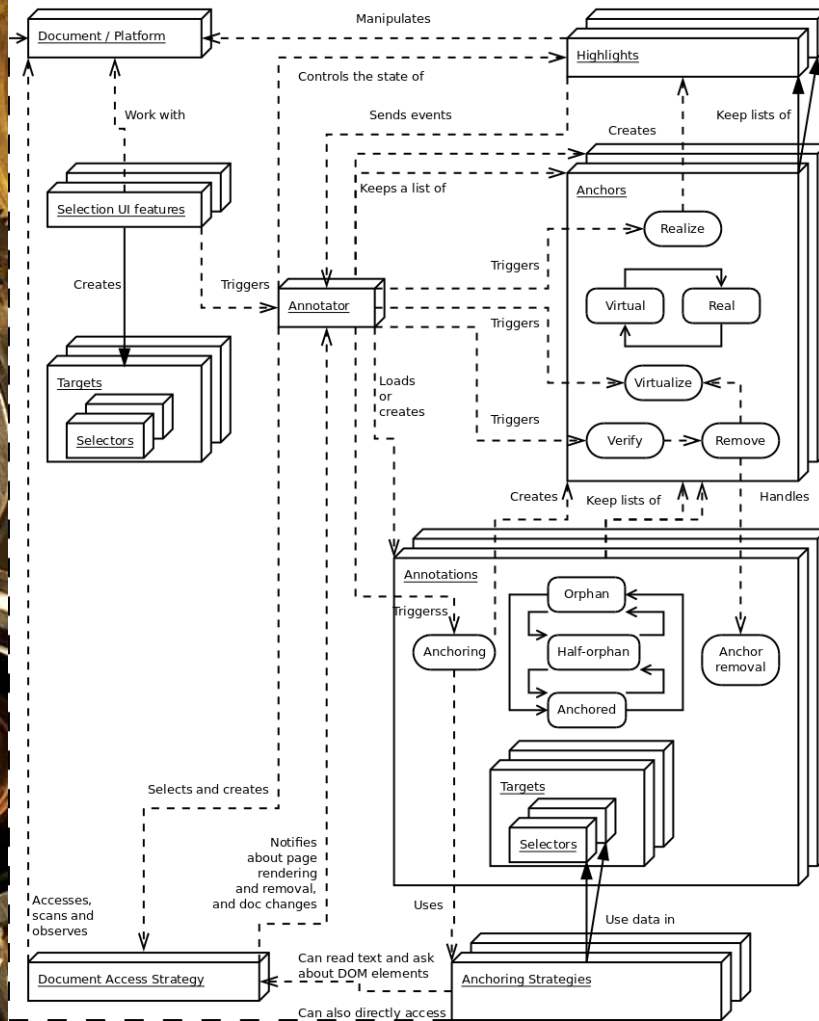
Cross-format, cross-document

- Baseline: URL
- What is the real target?
 - Copies - OK
 - Pagination, printer-friendly, etc - OK
 - Different formats (HTML, PDF, etc...) - OK
 - ...
 - Different languages / editions?
 - Same information in different documents?

Components involved in anchoring



A detailed close-up of a mechanical watch movement, likely a Rolex Caliber 2230. The image shows the intricate arrangement of gears, jewels, and the rotor, which is a hallmark of high-end horology. The movement is housed in a polished metal case, and the rotor is visible in the lower-left corner. The overall design is elegant and precise, reflecting the brand's commitment to craftsmanship.



Questions