Decentralized Page Change Detection
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Motivation
Tracking webpage changes is a hard problem with few flexible solutions.

Abstract
Lets give users knowledge of web page changes as close to real time as possible in a collaborative and flexible manner via a Chrome Extension.

Implementation
1. User A tracks elements of interest with extension tooltip
2. User B visits page, and the extension checks said element.
3. If change is detected, notify the user.
4. User receives an email

Future Work
• Generalize site-wide element tracking
• Allow users to specify the type of desired change.

Parsing Overview

Storage in Firebase

Element Tracked

Corresponding XPath
id("newOfferAccordionRow")

Corresponding URL
www.amazon.com/Single-Var..

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Adviced by Zachary Ives