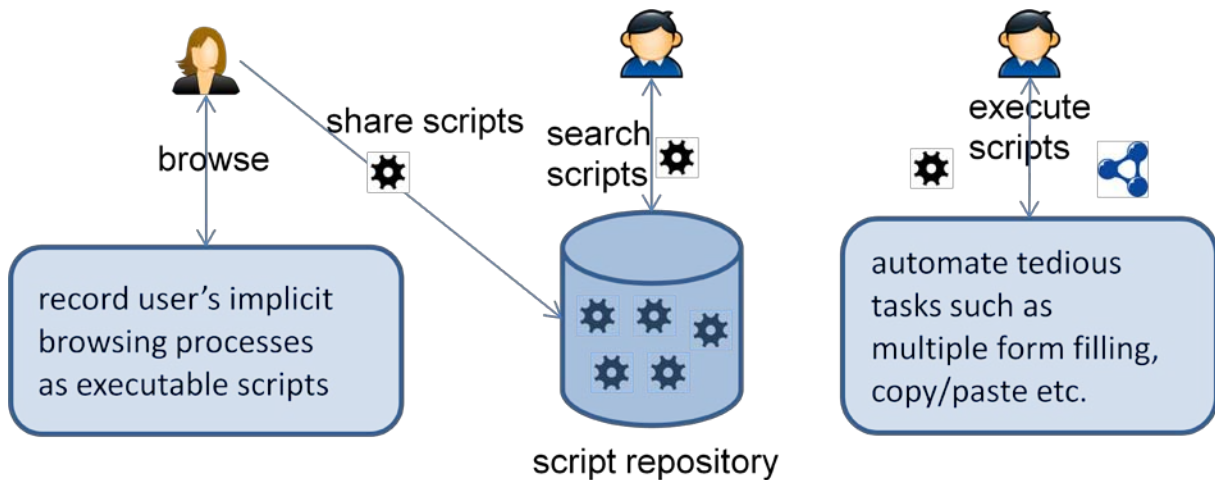


Diplomarbeit/Masterarbeit - Smart Web Browsing



The Web is no longer simply a set of documents. Rather, it's a set of distributed and networked processes that can require multiple interactions with the user during execution. These processes deliver information and might cause effects in databases and in the physical world. To access information or functionality hidden in the "deep Web," users must often perform several steps — for example, submitting Web forms with certain values and clicking links in a certain order.

Due to their underlying data-oriented view, the (Semantic) Web largely fails to deal with the deep Web, especially for end users. Once a user has tediously found the right path through a sequence of websites for a particular goal, he/she or hi/her friends should be able to find it much faster and easier the next time. Saving the user browsing process consisting of these steps in a reusable way is thus valuable.

The idea of **Smart Web Browsing** is based upon (1) making users implicit browsing processes explicit, (2) allowing users to share them with their friends in their social network, and (3) allowing users to efficiently find and reuse such shared browsing processes.

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