



Developing a standardized interest graph model for the browser to strengthen graph data application development model

While the support for graph data has been improving for centralized applications via graph databases there hasn't been much interest in developing decentralized applications using knowledge graphs. It is also a concern that browser vendors working on developing interest graphs within the browsers either to use them to make the advertising ecosystem more transparent (like brave) or to improve which ads to be shown to the user (chrome) these live within silos are not opened up for application development.

In order to increase the use of graph data for developing novice applications it is important to strengthen the development model by:

- a. creating simple methods to develop vocabularies and applying them to published web apps
- b. creating large repositories of graph data and open them for the development of decentralized or centralized applications
- c. strengthening the developing model by making available in graph based format users behavioural data in the form of an interest graph available in the browser

Strengthening the developing model by making available in graph based format users behavioural data in the form of an interest graph available in the browser with a programmable API so that it can be combined with graph based data for publishers web pages/vocabularies there will be a new class of decentralized applications that utilize such data models and build privacy-aware innovative applications.

A discussion for such interest graph models based on W3C existing specifications would help the community to decide how to facilitate their development