

Office of Technology Commercialization

Title of Invention: SmartXAutofill

Technology ID: ITTD040401, 2004FY17IT

Non-Confidential Description: SmartXAutofill is an intelligent assistant that automates data entry for XML documents by predicting the values of the XML fields. Our technology supports the complexity and nested structures of XML grammars, and incorporates approximate predictive techniques from Machine Learning. SmartXAutofill achieves much higher accuracy than current auto-complete technologies can offer.

Applications: Our SmartXAutofill technology provides solutions by:

- Incorporating approximate predictive techniques from Artificial Intelligence
- Learning and adapting itself to the any XML domain without developing new algorithms for each XML domain
- Supporting the complexity and nested structures of XML grammars
- Achieving much higher accuracy than current auto-complete technologies can offer
- Save time and effort needed for the data entry process

Benefits: Solves these current problems:

- large amount of data must be manually entered into the XML documents
- existing autofill technologies are for simple data entry, e.g. online shopping and login forms
- require a perfect match between the incomplete input form and the stored templates
- no support for the complexity and nested structures of XML grammars

Patent Status: Pending

License: Negotiable

Confidential Disclosure Agreement: KU is willing to enter into a Confidential Disclosure Agreement for the purpose of negotiating a License Agreement. If you are interested in learning details of this invention, please contact:

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To education and train students for technology leadership;

To transfer knowledge and innovative technologies to Kansas companies and national industries;

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