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A formal approach for matching and ranking trustworthy context-dependent services

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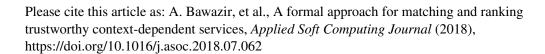
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Highlights

- In this paper, we study how to rank trustworthiness features based on user preferences from a new angle since trustworthiness features consider as a composite feature and combine trustworthiness and reputation to rank services.
- We provide formal specification for matching and ranking trustworthiness features using logic and set theory.
- We present our matching and ranking trustworthiness features approach and explain how to incorporate it with context and non-context features.
- We present the overall framework for matching and ranking trustworthy contextdependent services.
- We provide a case study on real world application to illustrate the success of the proposed framework.
- The proposed framework can be applied in any application domains.

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