



Identifying Non-stakeholders using NSIA algorithm

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Abstract

Requirement elicitation is the software engineering activity in which it requires involvement with client domain experts and end users in order to establish a client's needs. For large scale projects several methods are used to identify and prioritize the requirement using techniques. Various social network measures are used for prioritization process. Stakeholders are asked to rate an initial set of requirements; they can also suggest other requirements. The requirements are then prioritized using their ratings weighted by their influence in project. The method which is used for prioritization assumes that stakeholder provide recommendation honestly. But malicious stakeholder may provide responses for their personal benefits such as recommending non stakeholders exclude some stakeholder's. This in turn affects the quality of stakeholders and requirements. Thus to reduce the malicious stake holder's requirement ranking, based on the changing behavior of their requirement specification rating an algorithm is developed to identify the non-stakeholders. NSIA-Non stakeholder identification algorithm is an algorithm which identifies the Non stakeholders.

Index terms- *Requirements/Specification, Elicitation methods, Requirement prioritization, Recommender system, Social network analysis, Stakeholder*

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