Design and Implementation of a Novel Method for Freelancer Bids Ranking

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Freelancer has opened new opportunity nowadays and it is growing fast. Millions of people work in freelancer as part-time jobs with online platforms. When customers post a project in online sites, worldwide thousands of freelancer employers bid that project and the project owner should select the best employer to their project. Freelancer online sites base the completed number of projects and reviews for bids ranking their employers. Some sites use a built-in ranking system to rank their employers. The ranking system is based on several parameters, but users cannot see this ranking system and ranking parameters in online freelancer platforms. This research suggests a new, effective and efficient bid ranking algorithm for selecting the most suitable employer for the project among the bidders. The questionnaires are conducted to identify the suitable parameters to build bids ranking algorithm. A questionnaire collected 220 real freelancers’ data and obtained the result that most users work in fiverr.com (122), freelancer.com (108) and upwork.com (52). After analysing the data selected, the most suitable four parameters for the ranking algorithm were identified as users were on time, number of completed projects, on budget and skills parameters. The algorithm was validated by using sample freelancer site with posted 100 of sample projects and checked accuracy of the novel bids ranking. As a result, a novel algorithm was performed with 90% of success in the bids ranking in with sample testing time. Freelancer customers always focus on time and budget in the project and a better ranking system helps them select the best employers for projects among millions of workers.

Keywords: Freelancer Ranking, Online Labour, Bids Ranking