Accepted Manuscript

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PII: S0360-1315(18)30266-5

DOI: 10.1016/j.compedu.2018.09.021

Reference: CAE 3464

To appear in: Computers & Education

Received Date: 20 May 2018

Revised Date: 8 September 2018

Accepted Date: 26 September 2018

Please cite this article as: Daradoumis T., Marquès Puig J.M., Arguedas M. & Liñan L.C., Analyzing students' perceptions to improve the design of an automated assessment tool in online distributed programming, *Computers & Education* (2018), doi: https://doi.org/10.1016/j.compedu.2018.09.021.

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Analyzing students' perceptions to improve the design of an automated assessment tool in online distributed programming

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