

WEB PORTAL FOR STRESS LEVEL AND BURNOUT RESILIENCE ASSESSMENT FOR SCHOOL TEACHERS IN BULGARIA

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Abstract. *In this paper we discuss the challenges to developing a portal for stress level and burnout resilience assessment for schoolteachers in Bulgaria, such as scalability, data anonymization, security, and accessible user interface. Scalability is achieved through write-only data sharding in a microservice-like model. Data shards enable parallel utilization of smaller datasets across scaling nodes. We review data anonymization techniques which allows us to associate together multiple test results of the same individuals while retaining full anonymity of users, which is the key requirement of such a web portal. Based on the necessity for a responsiveness and an appropriate user experience for expectedly elevated stress levels users, we describe the methodology for designing the user design.*

Key words: Stress resilience testing, scalability, anonymous assessment, accessible user interface.

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