Using a Document-Store NoSQL Database for storing problem data

Two models for storing problem data are outlined in [1] and [2].

References

[1] CORE: A Multi-purpose Programming Contest Repository System, Y. Chaushev, M. Sredkov, K. Manev  
<http://www.math.bas.bg/smb/2012_PK/tom_2012/pdf/219-224.pdf>

[2] Software Requirements Specification for ACM Online Judge System, M Orazov, M.Ponamaryov, K. Soral  
<http://www.ceng.metu.edu.tr/~e1527167/docs/srs.pdf>