

Building a quality measurement tool for object-oriented designs

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Abstract: In software development practice, evaluating and optimizing the quality of object-oriented designs is an important requirement. This project aims to build a tool that automates the process of measuring the quality of system design models based on business metrics. The research methodology includes synthesizing principles and techniques for evaluating design quality from professional literature, followed by implementing an application to verify its effectiveness. The tool is expected to provide useful information for development teams during the software construction process, thereby improving product quality and meeting market demands.

Keywords: measuring tools, object-oriented design, enterprise, quality assessment, software technology