Abstract

Design patterns, acting as recurring solutions to common problems, offer significant benefits such as avoiding unnecessary complexity, and promoting code reuse, maintainability and extensibility. Reusability and adapting to the changing software requirements are some of the challenges faced by software engineering community. In order to achieve these goals, application of Design Patterns in software design is a proven practice. This paper describes the patterns which are useful in E-commerce Application. It also describes proposed patterns for E-commerce application with some modifications in the exiting Gang of Four patterns like Template method and Factory Method.

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**Index Terms**

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**Keywords**

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