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## B9017792

Functional Programming Report

Evaluate the functional paradigm of software development, comparing it with imperative, object-oriented development.

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| Evaluation of the use of functional programming | 15 | * Outline some features of the paradigm. * Take all of your ideas from taught material. * Provide lists of “good” and “bad” points. * Give a supporting example. | * Discuss what is meant by functional programming and show how it differs from the imperative paradigm. * Go beyond the taught material to find your own sources. * Cite your sources throughout. * Establish your own evaluation criteria, and use them in making your argument. * Use appropriate supporting examples throughout. |
| Discussion of the Clojure language | 15 | * Describe Clojure. * Compare Clojure to another language that you know. | * Provide a detailed description of the language. * Show how the language is used to implement complex software. * Compare Clojure to another functional language and to an imperative one. * Show how the language integrates with Java libraries. |