ABSTRACT

The object-oriented programming has become the main stream programming choice. The object-oriented concept has been applied to the design of software components. Software components are not only have the advantage of software re-use but also can improve the productivity of software development and the stability of software. In addition, the construction of a computer supported cooperative system is a complex and difficult process because of the coordination of participants in cooperative environments is not easy. This study, based on the cooperative mechanisms which include activity management, session management, activity monitor, event record and user management, is an attempt to design a component-based collaborative toolkit. This toolkit, composed of cooperative components implemented using Javabeans according to the Javabeans specification, will provides a RAD (rapid application development) environment for building cooperative applications.

Keywords: Component Software, CSCW, Cooperative Mechanism, Cooperative Toolkit, Javabeans
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