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E-commerce systems development methodologies

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Minitrack: E-Commerce Systems Development Methodologies

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This minitrack hosts three papers covering different aspects of e-commerce development methodologies from different corners of the world. These papers display the widely different concerns and perspectives that are being used by researchers from around the globe in the area of e-commerce systems development methodologies. The first, ‘Interoperability for Accessing DBs by E-commerce Applications’ by D. N. Jutla, P. Bodorik and U. Cai of Canada presents a framework for encapsulating the important task of database access from web storefronts. As e-commerce applications proliferate, maintaining the integrity of links from the storefronts to the backend databases becomes important. The work from Jutla, Bodorik and Cai suggests an approach to isolate these links to maintain their integrity. The second, ‘Scenario Methods for Viewpoint Integration for e-Business Requirements Engineering’ by Jaap Gordijn, Hans de Bruin and Hans Akkermans outlines an innovative approach to address the important task of testing commercial and technical feasibility of new business ideas using scenarios. With the advent of the web, the generation of new ideas has accelerated. The work by Gordijn, de Bruin and Akkermans suggests a high-level approach to testing these ideas using multiple stakeholder perspectives. The third, ‘Defining EDI Transactions with UML’ by C. Huemer of Austria revisits the now familiar UML technique and the Rational Unified Process for application in the context of EDI Transactions. As the emphasis on business-to-business commerce increases, this work should find application in several instances.