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Experimental Technology Prototype at Microsoft

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Project Number: DXF-MQP-MS11

EXPERIMENTAL TECHNOLOGY PROTOTYPE AT MICROSOFT

A Major Qualifying Project Report
submitted to the Faculty of
WORCESTER POLYTECHNIC INSTITUTE
in partial fulfillment of the requirements for the
Degree of Bachelor of Science
by

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Date: Dec 15, 2011

Approved:
Professor David Finkel, Advisor

Abstract

In our project, sponsored by Microsoft, we built a proof of concept application to demonstrate the capabilities of an emerging technology when compared with a parallel implementation currently being developed using a similar technology. With technical specifications and interface mockups, we created a UI infrastructure and components such as filtered and searchable tables, dialog boxes, context menus, and navigation to allow users to manage server entities. The application makes minimal use of open source libraries for platform compatibility, but in general runs solely on a custom framework used primarily for UI layout management and for standardizing communication and XML parsing between the server and client systems.