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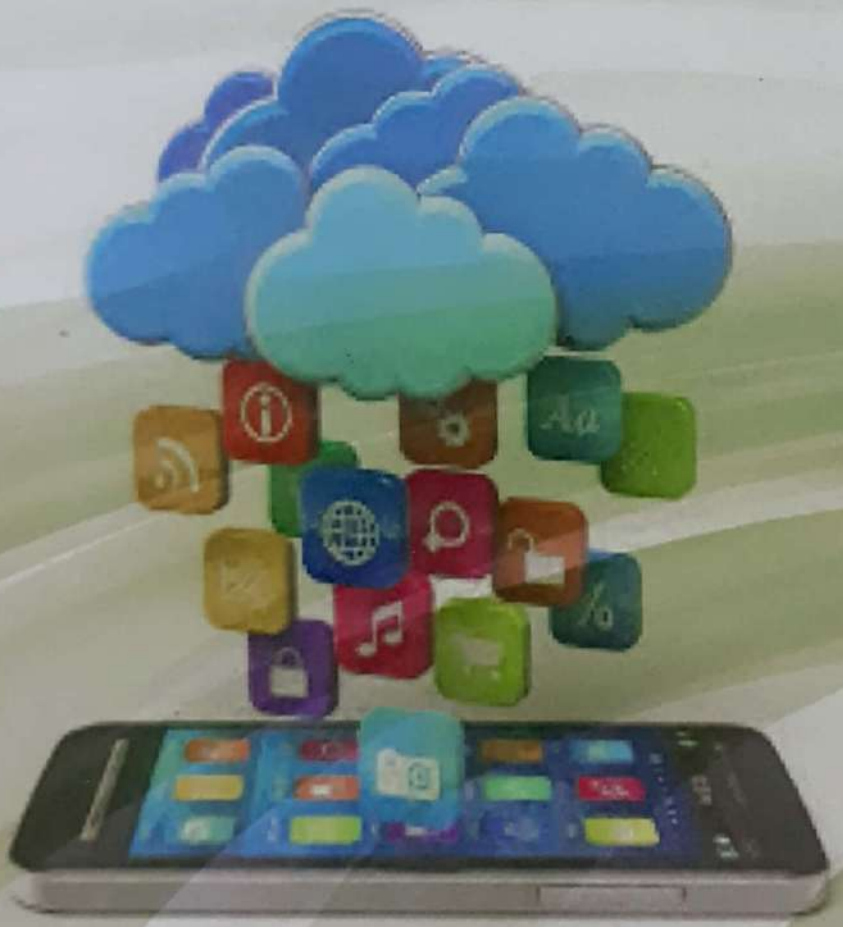

APPLICATION FABRICS

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REFINED ENGINEERING APPROACH FOR WEB APPLICATIONS

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Abstract:

Requirements engineering [1] is a software engineering process with the goal to identify, analyze, document and validate requirements for the web application to be developed. One of the most important factors of success in the software development is the elicitation, management, and analysis of requirements. This is especially true in Web engineering due to the heterogeneous audience of the Web, which may lead to websites difficult to comprehend by visitors and complex to maintain by designers. Negotiation of priorities is followed by this. Categorizing the structural requirements is followed then which includes the application and program flow. Subsequent strides are documentation, validation and finally managing the requirements.

Keywords: Requirements engineering, Requirements elicitation, Requirements analysis, Requirements validation, Requirements management, Stakeholder

I. INTRODUCTION

Web Engineering [2] is systematic, disciplined and quantifiable approaches to the cost effective development and evolution of high-quality applications in the World Wide Web. It is a combination of software engineering, hypermedia and multimedia engineering, marketing, graphic design, cognitive science, and human computer interaction. [3]

Thus, engineering for the Web should relate to diverse cultural contexts.Requirements analyses [17] is critical to success and this must be the first step when developing web application. Understanding the requirements in advance helps to ensure that business goals and user needs are met, and that the solution achieves what it was designed to accomplish. In a website redesign project, requirements should map directly to any point of pain or frustration that users experience with the current site. The new web or mobile experience should be customized to satisfy business goals and user needs; if there is no good understanding of those needs at the beginning of the project, a site or application that neither achieves goals nor delights users.

Requirements analysis is an iterative process that begins with an initial brainstorming session and continues throughout the development cycle. After the initial requirements have been formulated, reviewed, revised and prioritized by the clients, if possible - follow up with "Wants and Needs" sessions. These sessions will allow prospective site or application users (or past users in the case of site redesigns) to validate the requirements findings and identify to what degree they're on track with users' needs. Bring that information back to analysis team