An Examination of Customer Experience in Rich Web Applications

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Abstract- *As of late Rich Web Applications (RIAs) have been proposed as a response to the issues of giving new levels of intuitiveness and presentation. The utilization of RIAs is developing exponentially; all things considered, there is an absence of full improvement approach in this sense. This archive gives the fundamental highlights which ought to be displayed in RIAs and proposes an assessment procedure to acquire the appropriateness of a strategy to achieve this objective. We additionally utilize this procedure to assess the appropriateness of a few existing Web, Interactive media and Hypermedia philosophies to exhibit that everyone achieves just few RIA highlights, so new techniques or expansions of the real systems end up vital*

Keywords- Rich Internet Application(RIA),User experience

I. INTRODUCTION

The utilization of Rich Web Applications (RIAs) answers to such needs through the presentation of rich substance that can be conveyed on various gadgets. At the one hand, RIAs permit to insert sound, video and other media substance under one module establishment. Rich Web Applications (RIAs) are web applications that offer the responsiveness, "rich" highlights and usefulness moving toward that of work area applications. Early Web applications upheld just an essential HTML graphical UI (GUI). In spite of the fact that they could serve basic capacities, these applications did not have the look or feel of a work area application. The moderately moderate Web associations these applications depended on prompted the expression "Overall Pause." RIAs are an aftereffect of the present further developed advances that permit more prominent responsiveness and propelled GUIs.

II. CUSTOMARY WEB APPLICATIONS AND RIAS

This area brings up the customary Web applications issues and presents the attributes of the RIAs as an answer for such issues. At that point, RIA examination parameters and a correlation procedure to use with Web, Mixed media and Hypermedia strategies are settled

2.1. Customary Web application issues

Customary Web applications introduce the accompanying principle issues Process issues: complex Web applications frequently require that the client explores through a progression of pages to finish a solitary assignment (e.g. the assignment of booking a flight).

Information Issues: they don't bolster intelligent investigations of the information. Usually,the client needs to seek information using input structures and afterward to explore the hypertext to see the coveted information. Distinctive information representation and intuitive control in a compelling way would decrease the many-sided quality of the information appeared to the client.

Setup issues: numerous Internet applications require the design of an item/framework from multicriteria decisions, however are, when all is said in done, unfit to show the modified item/framework to the client in an instinctive path and in a solitary advance.

Input Issues: they don't permit a proceeded and requested cooperation without page refreshments, so the communication of the client with conventional Pages is very restricted.

2.2 The Key Characteristics of RIA-are given below

- Accessibility
- Advanced communications
- Complexity
- Consistency
- Installation and Maintenance
- Offline
- Security
- Performance
- Richness

III. THE GENERAL RIA DESIGN

The RIAs are web applications that consider the energy of the customer to expand the responsiveness of the Internet UI while the administration of the application and information stays on the server. RIAs offer comparable

functionalities as the ones display on work area applications. A standard RIA engineering (incorporates an application controller, an application server responsible for Web administrations calls that utilization some XML lingo to send information and design data and a customer rendering motor which is downloaded amid the main execution to be handled locally.
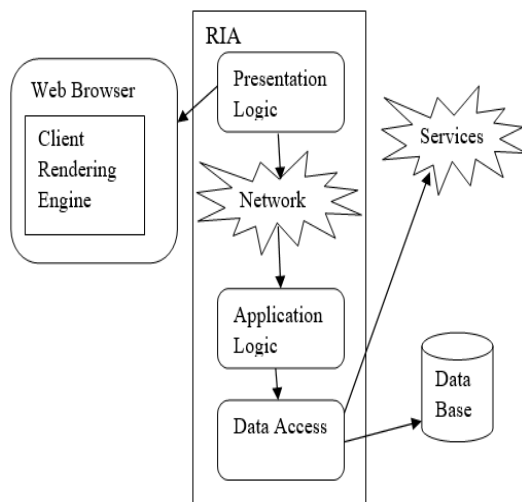
IV. HYPERMEDIA CONTENTS

Numerous hypermedia proposition fall in the middle of Web and Multimedia approaches. A significant number of such mixture strategies originate from Web philosophies and expand them with synchronization components as well as intelligence components, or have been initially characterized by sight and sound and after that stretched out towards the Web.

4.1 Hypermedia strategies

The HMT (Hypermedia Modeling Technique) demonstrating approach can speak to intelligence and hypermedia components. It offers an arrangement of natives with potential outcomes of fleeting relationships and outside information securing.

V.CONCLUSIONS

RIA gives wealthier, more powerful UIs, better responsiveness and a general better client encounter, relocating inheritance applications, both work area and Web-based applications have gotten some consideration in the exploration group. The rich web application space is loaded with programming items, and witnesses dispatch each day. Clearly, with the rise of RIA advancements, client prompt

concentration has moved towards those apparatuses, innovations or stages that convey rich client encounter that is noticeably unique in relation to what's conveyed by conventional server-driven stages. The capability of RIA isn't completely acknowledged by endeavors yet. As the RIA selection is discovering up, the bar in regards to the fundamental necessities like security, accessibility, dependability and comparable highlights is getting raised. The RIA advances are adapting up to the raised bar and developing to conquer any hindrance with the prerequisites.

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REFERENCES

[1] Garzotto F., Paolini P. and Schwabe, D., "HDM: a model-based approach to hypertext application design",ACM Transactions on Information Systems,

[2] W3C Accessible Rich Internet Applications (WAI-ARIA) Version 1.0, James Craig, Michael Cooper, Lisa Pappas, Rich Schwerdtfeger,LisaSeeman, W3C Candidate Recommendation; January 17, 2012.http://www.w3.org/TR/waiaria/>.

[3] Pilgrim, C. J. (2008). "Improving the usability of web 2.0 applications", in HT '08: Proceedings of the nineteenth ACM conference on Hypertext and hypermedia. New York, NY, pp. 239–240.

[4] Silva, P. A. and Dix, A. J. (2007). "Usability – Not as we know it!", in Proceedings of the HCConference on People and Computers XXI,

[5] "Enabling an accessible Web 2.0", in W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A), New York, NY, USA :ACM, pp. 1–6.

[6] Anonymous, Step-by-Step Usability Guide, 2006, <http://www.usability.gov> [accessed 20.09.2011].

[7] Kantner L. and Rosenbaum S., "Usability Studies of WWW sites: Heuristic Evaluation vs. Laboratory Testing", in the Proceedings of ACM 15th International Conference on Systems Documentation, Salt Lake City, UT, USA, pp.

[8] S. Ceri, P. Fraternali, and A. Bongio. Web Modeling Language (WebML): a modeling language for designing Web sites. In Proceedings of the 9th international World Wide Web conference on Computer networks : the international journalof computer and telecommunications netowrking, pages 137–157, Amsterdam, The Netherlands, 2000. North-Holland Publishing Co.

[9] L. Baresi, F. Garzotto, and P. Paolini. Extending UML for modeling Web appli-cations, 2001.

[10] G. To□etti Carughi. Conceptual Modeling and Code Generation of Data-Intensive Rich Internet Applications. PhD thesis, Politecnico di Milano, 2007.

[11] TRA KTINSKY, N., KATZ, A.S. and IKAR, D., 2000, What is beautiful is usable. Interacting with Computers, 13, pp. 127– 145.

[12] IT accessibility & Workforce Division (ITAW) (Ed., 1998).

[13] Rich Internet applications session, SIGGRAPH Conference on Web graphics, California, 2003.

[14] Lang M., "Issues and Challenges in the Development of Hypermedia Information Systems", BIT 2001, In Hackney R., Manchester Metropolitan University: Manchester, 2001, ISBN 0-905304-38-1.

[15] Fraternali P., "Tools and Approaches for Developing Data-Intensive Web Applications: A Survey", ACM Computing Surveys, ACM Press, vol. 31 is. 3 pp. 227-263,1999, ISSN:0360-0300.