Entaria Application

for ARIA CA3

Hugh Kelly 13117386

Adrian Mann

Brendan O'Brien

Francis Rodgers

Advanced Rich Internet Applications

MSc Web Technologies 2013/14

National College of Ireland, Mayor Square, Dubin 1, Ireland

Contents

[1 Motivation 3](#_Toc385162651)

[2 State Of The Art Review 4](#_Toc385162652)

[3 User Interface Design 5](#_Toc385162653)

[4 Architecture 6](#_Toc385162654)

[4.1 Application Architecture: 6](#_Toc385162655)

[4.2 Security: 6](#_Toc385162656)

[4.3 Toolkits and Frameworks: 6](#_Toc385162657)

[4.4 Data Transfer Strategies: 6](#_Toc385162658)

[4.5 Evaluation and Testing: 6](#_Toc385162659)

[5 Summary 7](#_Toc385162660)

[References 8](#_Toc385162661)

# Motivation

Why we are doing what we are doing.

# State Of The Art Review

Text.

**Table 1.** Popularity o as shown by web search on Sun 2nd March 2014.

|  |  |  |
| --- | --- | --- |
| Item | Search Engine | Number of Hits |
| “red” | Google | 3,600,000 |
|  | Bing | 2,035,000 |
| “blue” | Google | 1,196,000 |
|  | Bing | 1,213,000 |
| “green” | Google | 1,437,000 |
|  | Bing | 127,200 |
| “black” | Google | 3,760,000 |
|  | Bing | 392,000 |

Text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text.

# User Interface Design

Diagram goes here ….

**Fig. 1.** Google Trends search conducted on 6th March 2014 shows the relative interest over time between *HTML5* and two of the proprietary plug-ins used for RIAs.

“Quote of some kind” ” (Steve Sanderson, [knockoutjs originator] 2012)

# Architecture

## Application Architecture:

Outline the solution architecture for your application. You sould justify the approach you took, and how it supports the project scope. This means mapping back to the state of the art review when describing the features and functionality of your system.

## Security:

Evaluate industry standard error handling, and outline how you

integrated these approaches within your application.

## Toolkits and Frameworks:

Discuss the toolkits and frameworks used and the justification for using them.

## Data Transfer Strategies:

This section looks at the access and transporting of data to be consumed/created by the RIA.

## Evaluation and Testing:

You must include a short description of how your application was evaluated for its audience.

Critically analyse the testing methodology employed, as well as any debugging

# Summary

More of the same

# References

1. Bango, R., 2013. *Getting into Ember.js* [online] Available at http://code.tutsplus.com/tutorials/getting-into-ember-js--net-30709 [accessed 7h March 2014]

2. Emberjs.com, 2014. *SEE WHO'S USING EMBER.JS* [online] Available at http://emberjs.com/ember-users/ [accessed 15th March 2014]

3. Gamma, E. et al., 1995. *Design Patterns: Elements of Reuseable Object-Oriented Software,* Addison Wesley, New York, p.293-303

4. Google Inc., 2014. *What is Angular?* [online] Available at http://docs.angularjs.org/guide/introduction [accessed 6th March 2014]

5. Green, B., Seshadri, S., 2013. *AngularJS*, O'Reilly, Sebastopol, CA, USA. p.5

6. Hardy, I., 2012. *Coding the future: HTML5 takes the internet by storm* [online] Available at http://www.bbc.com/news/business-17931814 [accessed 6th March 2014]

7. Knockoutjs.com, 2014. *Documentation* [online] Available at http://knockoutjs.com/documentation/introduction.html [accessed 7th March 2014]

8. Maslow, B., 2013. *Knockout vs Angular* [online] Available at http://www.slideshare.net/MaslowB/knockout-vs-angular [accessed 14th March 2014]

9. Meliá, S. et al., 2010. *Automatic Selection of RIA Software Architectures using Quality Models*, Seventh International Conference on the Quality of Information and Communications Technology.

10. Osmani, A., 2012. *Journey Through The Javascript MVC Jungle* [online] Available at http://coding.smashingmagazine.com/2012/07/27/journey-through-the-javascript-mvc-jungle/ [accessed 6th March 2014]

11. Osmani, A., 2013. *Developing Backbone.js Applications,* O'Reilly, Sebastopol, CA, USA.

12. Reenskaug, T., 2003. *MVC – Xerox Parc 1978-79* [online] Available at http://heim.ifi.uio.no/~trygver/themes/mvc/mvc-index.html [accessed 6th March 2014]

13. Sanderson, S., 2012. *Rich JavaScript Applications – the Seven Frameworks (Throne of JS) 2012* [online] Available at http://blog.stevensanderson.com/2012/08/01/rich-javascript-applications-the-seven-frameworks-throne-of-js-2012/ [accessed 6th March 2014]

14. Smith, J., 2009. *WPF Apps With The Model-View-ViewModel Design Pattern* [online] Available at http://msdn.microsoft.com/en-us/magazine/dd419663.aspx [accessed 6th March 2014]