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WEB-BASED KCEDITOR

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| Author: | Quy Nguyen |
| Reviewed By: |  |
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Revision History

| **Date** | **Version** | **Description** | **Author** |
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# Executive Summary

As the Leadership Business Unit seeks opportunity to both refresh and remake the SA product, one area that is targeted for enhancement is the overall User Experience. Beside the upgrade of SA UX from the content organization, the UX of KCEditor needs to be upgraded to adapt the changes and make things more consistent.

Web-based KCEditor is a Web Application contains almost functions of current KCEditor. This new Application will run as a Web Service and can be accessed through a browser. User can use it to edit Learning Portals and publish to content server more conveniently than current KCE without installation or environment required.

From a competitive perspective, offering a Web-based KCEditor is an opportunity for us to improve our user’s satisfaction and achieve more target users. By not offering this, we face a risk that current KCEditor is now obsolete because of its limitation in UX and usability, this could affect our users’ satisfaction and business.

# Background

## Problem

Current KCEditor is a Desktop Application written by Java and run on Windows machine. It has been limited by the hardware on which it is run and must be developed for and installed on Windows only. Updates to the application must be applied by the user directly to their installation and it’s difficult to maintain or upgrade some features because of limitation in permission. Beside the inconveniences for user, from development team’s perspective, we have to maintain and support many versions of the Application, this make the enhancement more complex and difficult.

## Solution

A Web-based Application to replace current KCEditor can help us avoid all problems mentioned. Additionally, a Web-based Application has many other advantages that can make our product be more modern and convenient to use.

We can reuse current KCEditor’s business logic, transform it to a Web Service and integrate it with the modern front-end UI.

## Opportunities

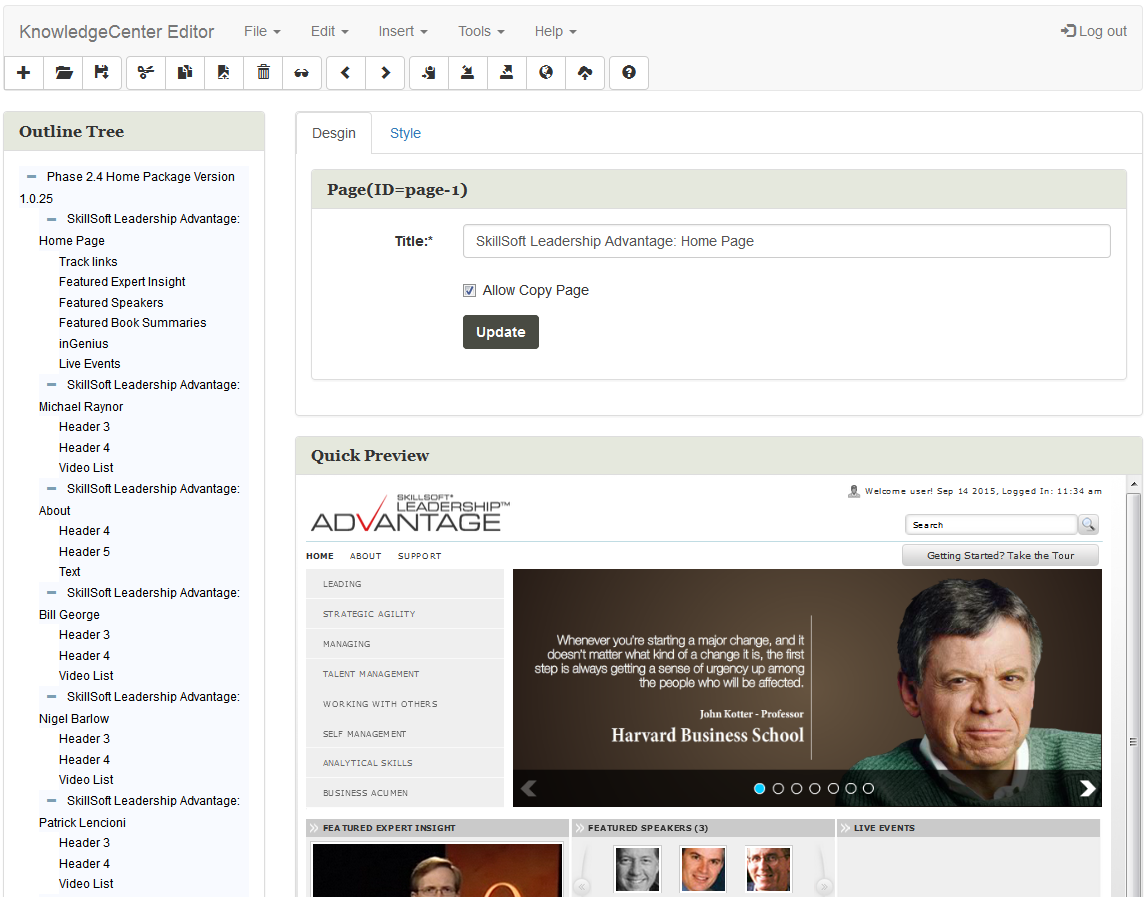
The modern UI, responsive and ability to be used anywhere (no limitation about user’s device, just need a browser and internet connection) can help us to improve user’s satisfaction and reach more target user. Maintainability is a valuable advantage that we can maintain and upgrade new features easily, this make our users interested in using our product.

Web-based Application is now a hot trend of Software Development, it’s easy to implement, maintain, upgrade and apply modern technologies.

HTML5, AngularJS, Bootstrap and many other technologies help us to build Web-based Application more easily, modern UI, easy to maintain and upgrade.

# Project Outcome

A Web-based Application will be developed bases on current KCEditor and contains almost all functions of current KCEditor.



[List of features will be provided later]

# Cost and Benefit Analysis

To implement this Application, we need about 15 months…

[TBD]

# Implementation Strategy

[TBD]