Project Title: IdeaEngine	
Start Date: 09/03/2014	**End Date:** 12/08/2014
Project Manager: Ryan Johnson	
Project Sponsor: Commerce Bank	
Customer: Paul Perry	
Users: Commerce employees, Project Ambassadors, and Project Admins	

Purpose (Problem or opportunity addressed by the project):
Commerce bank development team often coordinates with local universities and colleges to create technologies that give students experience in the software life cycle. A great way to learn this technical process is to work through a project with real-life requirements. In order to be effective, commerce employees need a focal point to collect project ideas, refine the project details, and then send the project into production.

The purpose of this project is to provide a central point for all Commerce employees that engage in the ideas for university projects. The goal is to create a web application that is easily accessible by all Commerce domain users, given their appropriate group permissions. At this web page, users can see already submitted project ideas, and submit their own ideas. The project information is detailed on sub-level pages, where the project's information can be managed by users with non-standard permissions.

Another purpose is to give business oversight to an administrator, who can coordinate with executive management for business justifications and business reports. While students gain experience in the project, and Commerce Bank will likely benefit internally from future project development ideas.

Goals and Objectives: The basic goal of this project is to create an application that allows project ideas to be managed orderly and systematically.

- Given this is an intranet site within the Commerce Bank domain, there will be no additional authentication needed, because the user's interface and abilities reflects their active directory permissions level.
- The system shall show information appropriate to the permissions level of the user.
- The system shall collect appropriate data and store the data in a database.
- The system shall use Model View Controller (MVC) to provide content to the web interface.
- The system shall have 3 permissions levels (3 categories of users): Contributor, Ambassador, and Administrator.

Financial Information (Cost estimate and budget information): Given that there is no fiscal budget, we can only estimate cost in terms of hours. Among six team members contributing 5 hours/week, as a team we can contribute 30hours/week to this project. Over the 12 weeks that remain, the initial estimated total project time is estimated to be 360 hours.

Project Priorities and degrees of freedom:
Priorities:

1. Collect Data
2. View the Data
3. Administrator roles

The software must be functional and meet the requirements by the due date.

As the project comes to a close, we have to decide a closing strategy. Options include adding additional features, or cleaning up project code.

Approach: An iterative and incremental strategy will be followed. The higher-priority features will be created first, and after the first iteration there will be a usable prototype. Because functionality is a higher-priority than aesthetics, functionality will be the main focus in the beginning. A prototype 'ideal' UI will be created early for feedback, followed by a functional prototype. By the mid-way point, we should be integrating the back-end to the front-end UI and testing authentication methods. Total UI optimization will be left for the final iterations.**Constraints**: The final solution should not rely on any third-party licensed software (beyond the operating system and browser). The technologies required are MVC, ASP.NET framework, and C#.

Assumptions: The customer will host a requirements meeting to gather system requirements. We also assume that our focal point of contact with the customer will be via the project manager to the customer's technical liaison.

We are assuming that authentication and permissions are retrieved from an enterprise organization (Active Directory), therefore no additional security requirements are needed. More specific requirements regarding security framework will be gathered from the customer.

Success Criteria: The project will be deemed successful if all requirements are met on schedule, and the customer has given positive feedback on the finished product.

Scope: The ability for users to use the product as it is intended is the scope of our project. Given the time constraint and little experience with the technologies to be used, our focus will be functionality.

Additional 'nice-to-have' features are lower on priorities.

Risks and obstacles to success: The project team has little experience in the technologies to be used, however it is assumed that the technologies can be learned quickly. The lack of experience also limits the precision of velocity tracking and time estimation.

In order to reduce technical risks, research of the technologies will be conducted before the first iteration begins. The focus of subsequent iterations are designated to low-experience areas such as specific technology requirements like MVC, ASP.NET framework, and C#.

Signatures

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Project Manager

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Project Sponsor

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Customer

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Technical Lead