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| **Project Title:** Commerce Bank Notifications Application | |
| **Start Date:** 02/10/2020 | **End Date:** 05/4/2020 |
| **Project Manager:** Kory Overbay | |
| **Group 2 Team Members:** Kory Overbay, Connor Marchand, Matthew Hopkins, Jimin Choi | |
| **Project Sponsor:** University of Missouri - Kansas City | |
| **Customer:** Commerce Bank | |
| **Users:** Commerce Bank Account Holders | |
| **Stakeholders and Expectations:**  **Team**: Receive meaningful feedback on the project’s progress as it is being developed. Be able to ask product owners specific questions on how the application should function.  **Commerce**: A web application that pulls in transaction details (we will provide sample data) and allows the user to set triggers for notification rules and receive notifications around them. The system should also save data to a database so recurring reports can be created. | |
| **Purpose (Problem or opportunity addressed by the project)**:  Customers of Commerce Bank will be able to see their transaction history and set custom notifications for themselves to be notified of suspicious purchases. Creating this web application allows users to have access to these notifications from any device with access to the internet and is not limited to just mobile banking applications. | |
| **Goals and Objectives**:  The overall goal is to allow Commerce Bank Account Holders to view their account in an easy to read format and give them the ability to make sure their account is safe.   * Implement notifications when certain events happen to keep the account holder informed on possible suspicious activity * Show a history of all transactions for a user * User interface is arranged in a simple and intuitive manner aligned with Commerce’s styling. * Achieve 10% or more code test coverage * Effectively use source control throughout the project | |
| **Schedule Information (Major milestones and deliverables)**:  02/07/2020 - Gather requirements  02/17/2020 - Iteration #1 Plan Complete  02/23/2020 - Project Charter Complete  02/29/2020 - Requirements Document Baselined  03/02/2020 - Iteration #1 Complete  03/02/2020 - Iteration #2 Begins  03/06/2020 - Project Plan  03/16/2020 - Iteration #2 Complete  03/16/2020 - Technical Prototype Complete  03/17/2020 - Iteration #3 Begins  04/04/2020 - Architecture Document Complete      03/31/2020 - Iteration #3 Complete  03/31/2020 - Iteration #4 Begins  04/20/2020 - Iteration #4 Complete  04/20/2020 - Iteration #5 Begins  04/26/2020 - Test Plan Complete  04/27/2020 - User and Systems Guide Complete  05/01/2020 - Project Results Complete  05/04/2020 - Iteration #5 Complete  05/13/2020 - Product Released | |
| **Financial Information (Cost estimate and budget information)**:  1 project manager at 10 hours per week for 14 weeks  140 hours \*   $40/hr = $5600  1 requirements engineer at 10 hours per week for 14 weeks  140 hours \*   $35/hr = $4900  2 software engineers at 10 hours per week each for 14 weeks  280 hours \* $30/hr = $8400  420 hours total, $18900 total, avg, $45 per hour | |
| **Constraints:** Approval will be required from Commerce Bank to make this an official application. Since many other teams will be asking the Commerce representatives questions as well, we understand their input and approval may be delayed in most situations. | |
| **Approach:** Utilizing an Agile methodology our team will create user stories, write test cases and seek collaboration with the Commerce team through each iteration. The first sprint will seek to lay the framework of the project. Each subsequent sprint will focus on refining major components.  Most of the team is relatively new to web application development. A lot of time will and needs to be dedicated to learning standard practices, to ensure the end product is a well functioning program. | |
| **Assumptions**: We assume that this application is, for the most part, a proof of concept. We will do our best to work towards a secure and efficient application, but with the limited time frames and expertise we understand perfection is not expected. | |
| **Success Criteria**: The project will be considered a success if the team delivers an operational prototype at the end of the semester with the features mentioned in the goal section above, and 75% or more of the team members would be willing to work together on another software project in the future. | |
| **Scope**: The application will (1) allow a user to securely log into their account, (2) see all of their notifications for triggered transactions and (3) be able to control how their notifications are set. (4) be able to see their transactions history. Time permitting our team will focus on the aesthetics and responsiveness of the website. | |
| **Risks and obstacles to success**: Most of the team is relatively new to web application development. A lot of time will and needs to be dedicated to learning standard practices, to ensure the end product is a well-functioning program. While splitting tasks among members evenly is an ideal goal, much of the work will likely result in a team effort, to ensure no single developer is left stuck on a piece of the application. | |