Summer 2017

Point72 Assets Management Software Development Internship

Work Log

1. PC-3289 CrossTradeLog (6/5 – 6/9)
   1. Updated the CrossTradeLog application with the changes that were made to fields in the Employee Database System (hereafter referred to as EDS) .
   2. Wrote SQL queries to return data. Rerouted a SQL stored procedure to temporarily store its data in a table in order alert the application to need to update the data.
   3. Learned the basics and operating know how of the Entity framework, which is used as a data access layer to communicate between Asp.net applications and SQL databases. The framework saves developers the work of writing ADO.net code to communicate with databases, it generates that for you.
   4. Became familiar with Bamboo, Jira and the deployment of an application after making changes. Send emails/Reports to QA tester highlighting what changes were made.
2. PC-3292 CompCertificationManagement (6/12 – 6/16)
   1. Similar to CrossTradeLog, updated the application by changing field lengths so that it reflects the changes made to EDS. Used Entity framework. Mapped C# code to Database stored procedures and Tables. SQL and C# (mostly C# as Entity Framework).
3. PC -3336 & PC-3354 & PC-3375(bug-fix) (6/19 – 7/27) ComplianceTraining
   1. Assigned to refactor the Compliance Training application (which tracks internal employees training’s as in the sessions they attend, when the session took place and whether or not they completed the training) in order to have it accommodate the tracking of employee training’s that take place online as opposed to in a physical location.
   2. First task was database schema analyzation, the creation of PowerPoint slides, reports, visuals and examples of what approaches were available and what those approaches would do in terms of additions or changes to the database and changes to the UI.
   3. The application is written in Angular 1.4, so working with JavaScript. C# is used for the Web API and the interaction with the database with the Entity framework.
   4. Did a lot with SQL queries during this time. Wrote queries and working towards database changes. Learned skill skills such as updating a table, creating a temp table, insert into a table, joins both left and right, using the where clause, creating a table variable, generating a GUID with the New ID method.
   5. Excel, learned how to write excel functions that translate data into SQL select statements. I did this for a mass of data that totaled 1,150 lines.
   6. Worked in C# code to modify data models to properly pass back up the data I needed on the front end.
4. 7/27 – to Internship Conclusion (8/11) PC-3359 RestrictedListAllocationLog
5. Assigned to add a new ASP.net web form page to the Restricted List Allocation Log application. This task will require the creation of three new SQL stored procedures to insert, update and select data from a table that was created for the new page. The next task is the creation of an aspx web form page entirely in C# that calls those stored procedures and also accounts for the front end view of the new page.
6. Wrote three stored procedures using MS-SQL to insert a new record into a table based on logic conditions update the table or simply select data from the table to be displayed on the page.
7. Worked in ASP.net and created a new aspx page with the code behind, markup and designer files. Facilitated the passing of data from the SQL database thru stored procedures, then the data access class, business class and finally the aspx page that the data is for.
8. Wrote code in C# for an ASP.net Code behind, wrote the markup as well.
9. Went thru the process of creating a build.bat that would run in Bamboo to restore nugget packages, and update the version number for the application. Worked with batch file scripts and their associations. In summary, I had to remediate the Bamboo build for the entire application to accurately reflect the company’s Assembly Versioning project.