SharePoint Application for Requirements Management

Overview
The purpose of this project was to improve General Motor’s Manufacturing Requirements Health Check system. The Health Check system is General Motor’s method of tracking the progress and issues associated with their programs. Engineers assess the completion of tasks within a project, and administrators use the sum of these assessments to track the progress of the project, as well as identify any issues that have arisen. Prior to our work, General Motors had a basic SharePoint site to facilitate this process. Our group’s task was to build on this fundamental system and streamline the process to increase ease of use for both the engineers and the administrators.

Objectives
We split the project into four parts and each of us took on one of those tasks. The four tasks were: MR list display improvements, Issues List population improvements, MR list image population improvements, and SharePoint dashboard implementation.

Approach
- Split the project 4 ways
- Met weekly with our sponsor to discuss progress
- Used SharePoint workflows to enable issue creation
- Used SharePoint workflows to populate images in the MR list
- Used XML code to improve the MR list display
- Tested our workflows and code within our SharePoint environment
- Received feedback from our sponsor
- Created implementation documents

Outcomes
- GM engineers will now be able to easily manage the SharePoint MR lists
- Time and work put into creating issues will be cut in half
- Images now automatically populate and no longer have to be manually placed into the list
- The dashboard implementation did not go as planned and we ran into many problems along the way.