

## Technical Feasibility

Our team is creating a new information system for the South Liberty Public Library. It is going to enable them to move from their current library workflow of using paper cards to a modern, digital format. Since we are building an entirely new system, there may be some risk since it has never been done before for this library. Our team will be using XHTML.1 along with CSS, which we are all familiar with, to create the browser pages for the patrons. It will be compatible with Internet Explorer, Firefox, and Google Chrome. We are also going to be using Bootstrap to enable our browser pages to be compatible with mobile devices. We do not have much experience with Bootstrap so that could take us more time to complete. Our team will also be building ASP.NET Web Forms using Microsoft Visual Studio Express and ASP.NET 4.5 and 4.5.1 to create the web portion of the project. We are familiar with these technologies so that will help us with us productivity of the project. The creation of the website will take the largest amount of time so we will need to be sure to plan the iterations for the project accordingly. We will be using a Microsoft SQL Server 2012 to manage the data access and data storage for the project. Our team is familiar with creating, updating, deleting, and maintaining SQL servers so this part will not be difficult. The project size should not be a problem between our team of 4 people, and we have about 2 months to complete this project. The work can be divided and spread across the iterations effectively so that the project may be done on time. The risk for this project is very low. We will not be using any brand new technologies or technologies that we have never heard of before this project.