Vision Statement

We are here to implement an integrated library system for the librarians and patrons of the South Liberty Public Library. The current process is outdated and needs a database implemented to reduce manual labor, increase efficiency, and add functionality.

Elevator Pitch

Our project is for South Liberty Public Library who need a new way to browse and check-out books. The Data Works project is an integrated library system that reduces manual labor by increasing efficiency and functionality to the library. Unlike big box software alternatives our product is a lightweight and affordable solution.
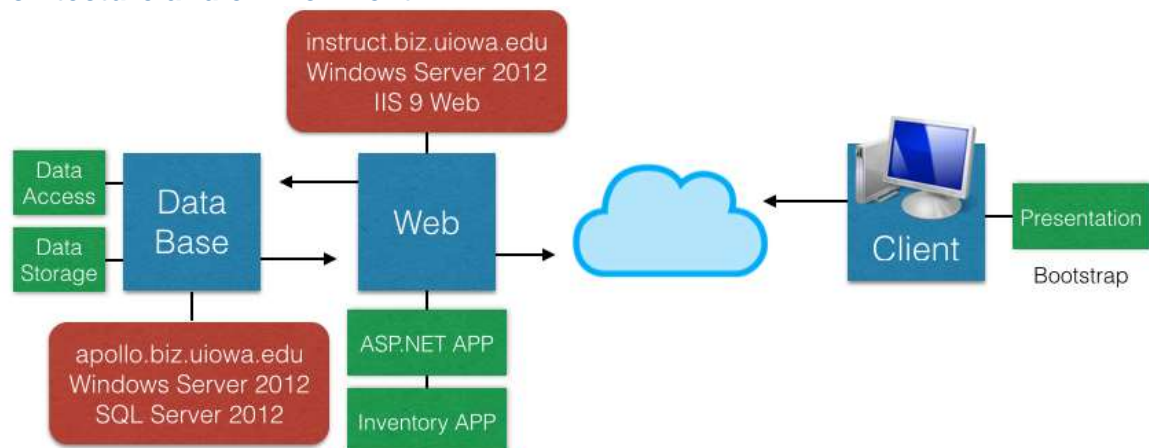
Product Box

- Access Inventory Remotely
- Simple & Intuitive graphical user interface
- Allows for scalability
- Easily maintained
- Customizable Product
- No imposed updates

Not List

- Beautiful GUI
- Does not host any content, only deals about the books
- Is not a video/music streaming service
- An eBook checkout service
- Is not a store and does not sell anything online
- No admin account // creation of new librarian accounts

Architecture and environment

Our application will be built in Visual Studio 2013 for the web. We have decided to make this application web based to make it available across platforms and better support. We will be laying a bootstrap css over top of our presentation layer for user interface that is user-friendly and intuitive. Making the application web based will also help with updating and managing current versions of the software. The update can be applied in one place instead of having to visit multiple stations to update the application.

The user will be able to use almost all devices with an internet connection as long as it is included in our list of supported browsers. We will be coding our application to be compliant with XHTML format for almost guaranteed readability on all devices. Having our application web based is also beneficial because patrons of the library will be able to check the inventory from anywhere without the use of specialized software installed on the computer.