**Inventory System for Minor and Major Equipment**

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***Abstract:*** *Currently the University of North Dakota Computer Science department (UND CSci) tracks its equipment via a simple spread sheet program. Under the current system each piece of equipment is given a barcode representing a unique identification number which then then must be manually added to the inventory spread sheet. This is a time-consuming task combined with the access issue presented with storing this information in a single spread sheet file makes the current system inefficient and to an extent risky to use. This project was aimed at replacing the current system with one that will allow multiple users easy access to the inventory data as well as speed up the entry process by scanning each items barcode with there phone camera. To accomplish a web application was built to store….add quarter of a page more*

**INTRODUCTION:** Why are we doing this? (indetail)

How does our work relate to how this has been done before?

How successful were we with our goals?

One sentence descriptions of the other sections of the paper

**RELATED WORKS:** rip the good ones from the paper we did in semester one

**APPROACH:** discuses why we chose to work in visual studio

Why didn’t we continue of the work of previous years?

Why did we try to build a standalone app first?

Why did we abandon that approach?

Why did we switch to a website?

Why did we use the ASP frame work?

**IMPLEMENTATION:** explain how we broke the project down in to three parts.

How did we set up the website part of the project?

How did we set up the database portion of the project?

How did we set up the scanner portion of the project?

What would someone need to know to run our project?

**RESULTS:** Do the web pages work on mobile? On desktop?

Does the database receive, return, and store what it needs to?

Can barcodes be scanned under reasonable conditions and in a resemble period (i.e. less than two seconds turnaround time)?

**FUTURE WORK:** Spit ball ideas on where to host this web page.

Features could be stream lined or added?

**CONCLUSION:** Acknowledge success or failure.

Highlight how we set this up to be built upon.