**Parts Crib Database System – David, Tosin & Mohand.**

**Week 7 Progress Report – CENG 355 (19th March, 2018)**

**Specific Individual Responsibilities on the Development Process for the Web Application**

* *Ifeoluwa David – Item Sign off and Item Returns feature. (Main Operations)*
* *Mohand Ferawana – Inventory Update and Item Details.*
* *Tosin Ajayi – User Authentication (Login, Registration & Profile Settings)*

**Hardware Functionality Work Breakdown**

* *Ifeoluwa David – USB Barcode Scanner for reading serial numbers or barcodes off items.*
* *Mohand Ferawana – Magnetic Stripe Card Reader for student identity verification*

**Individual Group Members Work Breakdown from the Previous Week.**

**Ifeoluwa David:** Last week, David simply focused on fixing the bug found on the second stage of the main operations. The second stage of the main operations is the part where admins have the ability to scan the barcodes off crib items into the system and actually view the items in a list box. That feature worked properly, but there were certain issues experienced while trying to implement another feature that allows a user delete an item from the list. It was easy to implement, but some things were responsible for not letting it work properly as expected. So, it took about the whole week to find a solution. David has also been working collaboratively with Tosin on the last stage of the Main operations process which is the item quantity and check-out summary.

**Mohand Ferawana:** Mohand worked on implementing the functionality that allows a user swipe the college issued ID card in the registration part. The observation was that if the data from the card was required in the item sign off process for identity verification, then it must have to be registered first in the user registration process to be considered valid or invalid. So, Mohand had to find a means of extracting and processing the data from the student card before having it registered in the database. This way, when a student tries to sign-off an item, the user identity can be verified first, by swiping the student card before proceeding. Also, recently, Mohand also designed a laser-cut plastic casing for the USB barcode scanner hardware module, which will protect the device from easy destruction.

**Tosin Ajayi:** So far, in the development process, Tosin worked on moving the user registration functionality **into** the admin menu. At first, a hyperlink was included on the login page, which allows anybody to easily gain access to the user registration page and create an admin or student account for themselves, which was not the initial agreement. So, the plan was to move that feature **into** the admin menu, so only administrators can have access to that feature to register new users, be it student or admin. Tosin also further worked on the input validation process for the user registration and profile update over the past week, and that works perfectly now. Tosin is presently working collaboratively with David on the last stage of the main operations process which is the item quantity and check-out summary.

**Financial Update**: No changes in budget. Cost remains the same.

* USB Barcode Scanner - $87.25
* Magnetic Strip Card Reader - $28.69
* Raspberry Pi 3 starter kit - $74.95

**Link to GitHub**: <https://github.com/IfeoluwaDavid/PartsCribDatabase>

**Link to Website (development in progress):** [partscribdatabase.tech](http://partscribdatabase.tech/)