**NoirTech**

*presents*

**GBMstats**

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**Website Link:** <https://github.com/goziethelegion/NoirTech>

**Description:**

The purpose of the app will be to use information gathered from hardware and display it in a user-friendly manner. This information will include camera live feed, video capture, finger print, and facial recognition.

**Member Duties:**

The software so far was split into tabs based on its relation to each group members’ hardware device. Other activities were developed collectively during the strike.

**Chigozie Aham** – Build tab 3(Fingerprint/Facial Recognition), draft test plan, design document

**Mykal Bailey** – Build tab 1 (Videos/photos from a video surveillance camera), images

**DRAFT TEST PLAN**

Upon first time launch, the flash activity would be the first to run. It flashes and transposes into the second activity, which is the homepage – GBMActivity. GBMActivity is a simple activity, it consists of two buttons, a logo and a motto. First time users would be required to use the second button on the right, which is the signup button. Clicking on the button takes the user to the SignupActivity. The user would be prompted to enter his/her personal information. In complete, there are 6 text fields to be completed. If any of the text fields are entered incorrectly or not entered at all, a dialog box appears with a message depending on the user’s wrong input. Once the user is signed up successfully, a dialog box also appears notifying the user of its success. Next, the user is automatically taken back to the homepage. Now, the user can log in.

The button on the left is the login. Once clicked, it transposes into a different activity – LoginActivity. The LoginActivity consists majorly of an image, a back button, a “forgotten password”, two text fields and a button. The 2 text fields must be completed before a successful login. The username and the password entered must match the ones in the database for a successful login. While the app is communicating with the server to find if the user exists, a progress bar appears on the screen. The progress bar is used just so that the user is aware that the communication is processing. The “forgotten password” is a link that could be used if the user forgot his/her password. So, when clicked, the ForgotPassActivity appears, prompting the user to enter an email that was used during signup.

Once the user is logged in, the Menu2Activity is revealed. Menu2Activity is a tabbed activity consisting of two tabbed activities and a menu toolbar. The first tab would connect to Mykal bailey’s CCTV device while the second tab would connect to my fingerprint/facial recognition device. The user could add facial/fingerprint biometrics through a Bluetooth connection between the app and the hardware device. These features are saved in the database as well the other user information. Also, the user could view the camera live feed. On the Toolbar, there are two options. The first one is the SettingsActivity. This activity allows the user to view or edit his/her profile, view everything about the application and Noirtech(that is, the about page) and also configure the bluetooth connection. The last option is the Logout. It allows the user log out from his/her account.

**Completion Checklist:**

* Create Logo for app
* Begin creating java classes.
* Setup Github repository with branches
* Delegate duties to each team member

✓ Create Project Schedule (Gantt chart)

✓ Setup and implement database into overall project structure (hostgator to host the database).

✓ Complete all basic classes.

✓ Application aesthetics

✓ Prototype application

✓ Retrieve data

* Troubleshoot bugs
* Finalize Application
* Bluetooth Settings
* Connect CCTV camera
* Connect Facial/Fingerprint Scanner

**Design Documents**

