**Graphical user interface, text

Description automatically generated**

**King Saud University**

**College of Applied Studies and Community Service**

**Department of Computer Science and Engineering**

**Tailgating and Piggybacking Detection Using Artificial Intelligence**

**By:**

*Awatif* *Alhumayhim, 441925260, 4226*

*Latifa Alzarah, 441925580, 4226*

*Reem Alsuwaidi, 441925578, 4226*

*Ruba Bilobed, 441925892, 4226*

*Tahani Alahmari, 441925597, 4226*

**Supervised by:**

Dr. Fatimah Alakeel

**Academic Year 2022-2023**

**To be able to use ALRT and not face any difficulties a couple of steps need to be taken:**

1. ***Download Python***
2. ***Download Pycharm***
3. ***Download MySQL Workbench***
4. ***Download “ALRT-Complete” from Github***

* **To download Python: https://www.python.org/downloads/**
* **To download Pycharm Community: https://www.jetbrains.com/pycharm/**
* **To download MySQL Workbench: https://dev.mysql.com/downloads/workbench/**
* **To download “ALRT-Complete”: https://github.com/ALRTsys/ALRT**

**In GitHub, “ALRT-Complete” is the full project that contains the detection code including the interface while “Main\_Code” is just the detection code without the interface. In “Main\_Code” the alarming messages will only be shown in the terminal and no alarm will go off, so to see the full project with its full potential it’s better to work on “ALRT-Complete”.**

**“ALRT-Complete” requires using a database, so with MySQL Workbench create a new MySQL Connection, keep the name as it is which is ‘root’ and the for the password you can choose your own password. Then create a database named ‘log\_in’ and a table named ‘cctv\_operator’**

**The table contains:**

1. **Id (Binary)**
2. **Username (VARCHAR)**
3. **Password (VARCHAR)**

**Right-click on 'cctv\_operator'**

**then copy to clipboard - insert statement**

**then write this command:**

**INSERT INTO `log\_in`.`cctv\_operator`**

**(`ID`,**

**`Username`,**

**`Password`)**

**VALUES**

**(0, 'CCTVop', sha1('Ant17a1l8at1n8#')),**

**(1, 'Admin', sha1('AdminME123#'));**

**Lastly, don’t forget your MySQL Workbench password in the 10th line of both the “LoginForCCTVop.py” and ”LoginForAdmin.py” in the “ALRT-Complete” file.**

**then you are good to go :).**