Secure Programming | CSE 5382 (Prof. Trey)

Assignment XI Solutions

Submission File

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# Console-Contact-Directory | ReadMe

**Description:**

This is a contact directory application that runs on a console terminal powered by SQLite 3. The python code for the application filters inputs in a specific format by employing regular expressions.

**Compilation Instructions:**

The source code from Python is compiled into a much simpler form called bytecode. The implementation compiles the files as needed. There is no need to manually compile the program before running.

**To Run** > python app.py

**Assumptions:**

* Running on the Windows OS (The platform wouldn't really matter but was developed on a Windows machine)
* Application isn't intended to run with Python version below 3.x since the sqlite3 module is included in the standard library (since Python 2.5).

**Pros:**

* Prepared statement helps avoid injections.
* All invalid formats are discarded.
* Whitelisted by regex (better than blacklisting patterns).

**Cons:**

* Some name formats, if doesn't match the format wouldn't be allowed in the system.

**Developed with:**

* Python 3
* SQLite 3
* Visual Studio Code
* Anaconda

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