Lab 3: Lists and Sets Documentation

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SDEV 300 Building Secure Python Applications

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Pylint Score: Overall 10/10.0

My score in Pylint had started at over 9 but was not quite a 10/10. There was an issue I was unfamiliar with which was “Catching too general exception Exception (broad-exception caught). In my display\_flower() function, I had a try … except … except Exception as e. It had a problem with the second except statement I had. I tried to change it to PIL.UnidentifiedImageError as e where my program said PIL was undefined although I imported Image from the PIL library. I was unsure of how to fix it, so I deleted that line and lost no functionality in my program. After fixing the other small issues I was familiar with, I got a 10/10 score.

Test Case Table

|  |  |  |
| --- | --- | --- |
| Test Case (Expectation) | Input/Output as shown on Terminal Console | Pass/Fail |
| 1: User Choice Data validation |  | Pass |
| 2: Displays states in alphabetical order |  | Pass |
| 3a: State search validation (in choices 2 and 4, user has to enter a valid state) |  | Pass |
| 3b: Population update user validation, user must only enter a positive integer greater than zero for population |  | Pass |
| 4: Program properly outputs a flower image (I manually made the window smaller to take a screenshot) |  | Pass |
| 5: Top 5 graph is displayed correctly (note I manually made the window smaller to capture a screenshot) |  | Pass |
| 6: State population updates in choice 2 and choice 3 (I made the image window smaller to take a screenshot) |  | Pass!  CA was the #1 before the it was updated |