**Stoma State Calculator Overview:**

**Current Functionality**

* Currently the state calculator uses attributes of output volume, output consistency, urine colour, urine frequency and physical characteristics of dehydration to determine the state.
* The state factor is on a scale of 1-10 (1-4 = green, 5-7 = yellow, 8-10 = red).
* Positive data will reduce the number by 1-2, depending on the attribute and value.
* Neutral data will do nothing.
* Negative data will increment the number by 1-3, depending on the attribute and value.

**Known Bugs**

* There are no major known bugs present in this package.

**Future Development**

* In the future, more attributes can be added to effect the state. For this to be done, the attribute and its relevant good/neutral/bad values and effects will need to be appended to the decision tree in the state calculator class.
* The state factor can be changed:
  + The scale could be increased from 1-100 to allow for more precise increment/decrements.
  + The scale could be changed from a number to a more generic string/enum word to represent the current state.
* The effect that each attribute has can be altered to reflect more or less on the state factor:
  + Each attribute could have more or less effect.
  + Different attributes could have varying effects depending on their importance.
  + Effects could be made more specific if the scale also increased.