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CSE-1010

**PROBLEM STATEMENT**

To determine if a specific feature module will go in the live release, the beta release or neither in a piece of software being assessed by the quality assurance engineer.

**INPUT**

Module number, number of bugs, maximum bug severity

**OUTPUT**

The classification and organization of the feature into Live, Beta or None.

**HAND EXAMPLE**

IF the first 3 columns are entered as input the 4th column would be the output

|  |  |  |  |
| --- | --- | --- | --- |
| **MODULE** | **NUMBER OF BUGS** | **MAXIMUM BUG SEVERITY** | **RELEASE** |
| 100 | 4 | 1 | BETA |
| 101 | 2 | 1 | LIVE |
| 105 | 1 | 5 | NONE |
| 209 | 3 | 2 | BETA |

**ALGORITHM**

1. Prompt user for
   * + Module number
     + # of bugs
     + Maximum bug severity
2. If the number of bugs are greater than 6 or the severity is either 4 or 5 the release is NONE
3. If the number of bugs are less than or equal to 3 and the bug severity is greater than 1 the release is LIVE
4. If a negative value or zero is entered for number of bugs or bug severity let the user know the values must be a whole number
5. If the module fits into none of the above it should be included in the BETA release.