Section 1: general information

Specifications

Description

The method determines if someone can get a concealed carry licens based on several factors.

Javadoc

/\*\*

     \* Determine whether someone gets a license to carry concealed based on several factors.

     \* Age: Must be at least 21 years old (or at least 18 years old and a member of the military or honorably discharged veteran). Applicants over 80 years old do not qualify and are denied. Negative ages result in an error.

     \* Citizenship: Must be a citizen of the United States

     \* Residency: Must be a resident of the state issuing the license or a member of the military stationed in the state

     \* Mental Health: Must not have been adjudicated incompetent or have a history of mental illness that would make it unsafe to carry a firearm.

     \* Criminal History: Must not have a felony conviction or be subject to an outstanding felony warrant

     \* Training: completed a firearms safety training course. If they have not, they can get a temporary license for 90 days to complete the course.

     \*

     \* @param age integer

     \* @param military boolean

     \* @param citizen boolean

     \* @param resident boolean

     \* @param no\_mental boolean

     \* @param no\_criminal boolean

     \* @param trained boolean

     \*

     \* @return

     \* GRANTED - all conditions are met. license is granted for five years

     \* DENIED - at least one disqualifying condition. license is denied

     \* TEMPORARY - licensed for up to 90 days after which the license is either granted or denied

     \* ERROR - for incomplete information or incorrect data

     \*/

Note: do not delete anything from this document, only add to it. Do not re-order things in this document.

-------------------------------------------end of section 1 -----------------------------------------------------

Section 2: chapter-specific data

Natural ranges for Equivalence partitions

Natural ranges table

|  |  |
| --- | --- |
| **Parameter** | **Natural Range** |
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Rules for decision tables

* Rule01
* Rule02
* etc

Rules table. You can do it either vertical as in the book , or horizontal as I preferred. You can also use the inserted spreadsheet if you wish.

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For the spreadsheet, double click in the area below.



Screenshot of jacoco in browser for statement coverage (before any new tests)

Screenshot of highlighted code for statement coverage (before any new tests)

Interpretation of screenshots for statement coverage

Screenshot of jacoco in browser for branch coverage (before any new tests)

Screenshot of highlighted code for branch coverage (before any new tests)

Interpretation of screenshots for branch coverage

---------------------------------------------- end of section 2---------------------------------------------

Section 3: TCI table and Tests table

**Test Coverage Items table. Complete the Test Case column after you add the tests for each section.**

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| **TCI** | **Parameter** | **Equivalence partition, boundary value, decision, etc** | **Test case** |
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**Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **TCI covered** | **Inputs** | | | **Exp. results** | **comment** |
|  |  |  | return value |  |
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