1) critère Harrold-McGregor

methodes à tester: methodes nouvellement créées

méthodes à retester: aucune (pas setPrice car pas dans une methode redefinie)

QUESTION: les attributs hérités dans addUsedBook et giftbook??

addUsedBook

* Retester get set title
* Idem pages
* Idem price
* Idem author

2) MADUM

MaDUM

DESTRUCTEUR ?

BOOK

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Book | Book | getTitle | setTitle | getAuthor | setAuthor | getPrice | setPrice | getPages | setPages |
| Title | C | C | R | T |  |  |  |  |  |  |
| Author | C | C |  |  | R | T |  |  |  |  |
| Price | C | C |  |  |  |  | R | T |  |  |
| Pages | C | c |  |  |  |  |  |  | R | T |

USEDBOOK

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Book | Book() | getTitle | setTitle | getAuthor | setAuthor | getPrice | setPrice | getPages | setPages | UsedBook() | getStatus | setStatus | getYear | setYear | addUsedCopy | changePrice | giftBook | showStatus |
| Title | C | C | R | T |  |  |  |  |  |  | C |  |  |  |  | T |  |  |  |
| Author | C | C |  |  | R | T |  |  |  |  | C |  |  |  |  | T |  |  |  |
| Price | C | C |  |  |  |  | R | T |  |  | C |  |  |  |  | T | T | T |  |
| Pages | C | C |  |  |  |  |  |  | R | T | C |  |  |  |  | T |  |  |  |
| Status |  |  |  |  |  |  |  |  |  |  | C | R | T |  |  |  |  |  | o |
| Year |  |  |  |  |  |  |  |  |  |  | C |  |  | R | T | T |  |  |  |

Tranches

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Tranches UsedBook | | | | | | | |
| Title | usedBook | gettitle | settitle | addUsedCopy |  |  |  |  |
| Author | usedBook | getAuthor | setAuthor | addUsedCopy |  |  |  |  |
| Price | usedBook | getPrice | setPRice | changePrice | giftBook | addUsedCopy |  |  |
| Pages | usedBook | getPages | setPages | addUsedCopy |  |  |  |  |
| Status | usedBook | getStatus | setStatus | showStatus |  |  |  |  |
| Year | usedBook | getYear | setYear | addUsedCopy |  |  |  |  |

Sequences de tests (constructeur, get, set…)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| usedBook | getP | setPRice | getP | changePrice | getP | giftBook | getP | addUsedCopy | getP |
| usedBook | getP | setPRice | getP | changePrice | getP | addUsedCopy | getP | giftBook | getP |
| usedBook | getP | setPRice | getP | giftBook | getP | changePrice | getP | addUsedCopy | getP |
| usedBook | getP | setPRice | getP | giftBook | getP | addUsedCopy | getP | changePrice | getP |
| usedBook | getP | … | getP | … | getP | … | getP | … | getP |

3) state based testing.

i) donner l’arbre derive du diagramme d’état



ii) deriver les sequences de test

* 8 sequences de la racine à chaque feuille car 8 feuilles (REMPLACER PAR LES METHODES)
  + Quit / FS
  + addItem[nbItem > 0] - addItem[nbItem > 0] / S1
  + S0 s1 s0
  + S0 s1 FS
  + S0 s1 s2 s1
  + S0 s1 s2 s2
  + S0 s1 s2 FS
  + S0 s1 s2 s3 FS

iii) deriver l’oracle

* + S0 FS
  + S0 s1 s1
  + S0 s1 s0
  + S0 s1 FS
  + S0 s1 s2 s1
  + S0 s1 s2 s2
  + S0 s1 s2 FS
  + S0 s1 s2 s3 FS