README

2024 소프트웨어공학 수업 Mission2 과제 팀프로젝트

김한결

- BookManager 클래스 구현
- BookManagerTest 클래스 구현

권보민

- BookManager 클래스 수정
- BookManagerTest 클래스 수정 및 JUNIT 테스트 진행

윤가영

- BookManager 클래스 수정
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젠킨스 구동 아웃풋

< Initiate Books >

< AddBook Test >
해당 ID(1) 는 이미 존재합니다.
해당 ID(3) 는 이미 존재합니다.

< Initiate Books >

< Search Test >
검색 결과:
Book{id: '1', 제목: '자바 기초', 저자: 'Amy', 출판연도: 2000}
검색 결과:
Book{id: '2', 제목: '소프트웨어공학', 저자: 'Bob', 출판연도: 2001}
검색 결과:
Book{id: '3', 제목: '자료구조', 저자: 'Charlie', 출판연도: 2002}
검색된 도서가 없습니다.

< Initiate Books >

< SearchPerformance Test >
Books에 10,000개 추가
검색 결과:
Book{id: '9000', 제목: '자바 기초', 저자: 'Amy', 출판연도: 2000}
검색 결과:

Book{id: '9000', 제목: '자바 기초', 저자: 'Amy', 출판연도: 2000}
searchBook 실행 시간 : 1ms
search_bs 실행 시간 : 4ms
searchBook이 3ms 더 빠릅니다.

< Initiate Books >

< Remove Test>
Book{id: '1', 제목: '자바 기초', 저자: 'Amy', 출판연도: 2000}도서를 삭제했습니다.
Book{id: '2', 제목: '소프트웨어공학', 저자: 'Bob', 출판연도: 2001}도서를 삭제했습니다.
검색된 도서가 없습니다.
검색된 도서가 없습니다.

< Initiate Books >

< Binary Search Test >
검색 결과:
Book{id: '1', 제목: '자바 기초', 저자: 'Amy', 출판연도: 2000}
검색 결과:
Book{id: '2', 제목: '소프트웨어공학', 저자: 'Bob', 출판연도: 2001}
검색된 도서가 없습니다.

Thanks for using JUnit! Support its development at https://junit.org/sponsoring

←[36m?←[0m
←[36m├─←[0m ←[36mJUnit Jupiter←[0m ←[32m?←[0m

```
←[36m│    └─←[0m ←[36mBookManagerTest←[0m ←[32m?←[0m
←[36m│        ├─←[0m ←[34mtestAddBook()←[0m ←[32m?←[0m
←[36m│        ├─←[0m ←[34mtestSearchBook()←[0m
←[32m?←[0m
←[36m│        ├─←[0m ←[34msearchPerformanceTest()←[0m
←[32m?←[0m
←[36m│        ├─←[0m ←[34mtestRemoveBook()←[0m
←[32m?←[0m
←[36m│        └─←[0m ←[34mtestBinarySearchBook()←[0m
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←[36m├─←[0m ←[36mJUnit Vintage←[0m ←[32m?←[0m
←[36m└─←[0m ←[36mJUnit Platform Suite←[0m
←[32m?←[0m


Test run finished after 7652 ms
[         4 containers found      ]
[         0 containers skipped    ]
[         4 containers started    ]
[         0 containers aborted    ]
[         4 containers successful ]
[         0 containers failed     ]
[         5 tests found           ]
[         0 tests skipped         ]
[         5 tests started         ]
[         0 tests aborted         ]
[         5 tests successful      ]
[         0 tests failed          ]
```

✓ 콘솔 출력

```
Started by GitHub push by pingowl
Obtained mission1/Jenkinsfile from git https://github.com/2024-sogong/SW.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\teamproj
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential sogong-test
 > git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\teamproj\.git # timeout=10
Fetching changes from the remote Git repository
 > git.exe config remote.origin.url https://github.com/2024-sogong/SW.git # timeout=10
Fetching upstream changes from https://github.com/2024-sogong/SW.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.33.0.windows.2'
using GIT_ASKPASS to set credentials sogong-test
 > git.exe fetch --tags --force --progress -- https://github.com/2024-sogong/SW.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 0de9f7c8c47d96176bbd817d9f3f9106e072beaf (refs/remotes/origin/main)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f 0de9f7c8c47d96176bbd817d9f3f9106e072beaf # timeout=10
Commit message: "Merge pull request #5 from 2024-sogong/performance_test"
 > git.exe rev-list --no-walk 9cb2339c298db71334c14aacc7d4f6288debbfb5 # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
```

```
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\teamproj>javac -encoding UTF-8 -cp "mission1/lib/*" -d classes mission1/src/mission1/*.java
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] script
[Pipeline] {
[Pipeline] echo
Classpath: classes;lib/;mission1/lib/junit-platform-console-standalone-1.9.3.jar
[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\teamproj>java -cp classes;lib/;mission1/lib/junit-platform-console-standalone-1.9.3.jar org.junit.platform.console.ConsoleLauncher --scan-classpath  1>test_results.txt
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
```
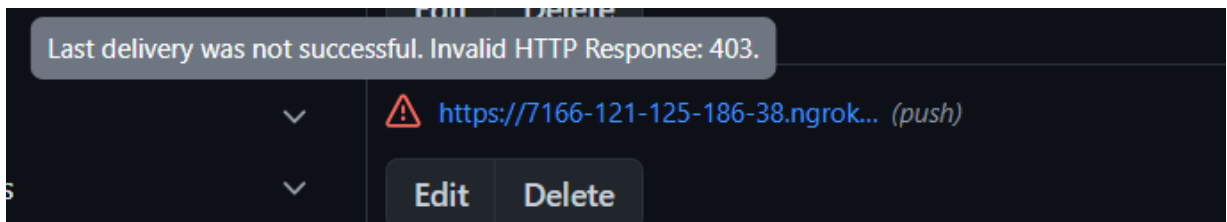
```
[Pipeline] archiveArtifacts
Archiving artifacts
[Pipeline] echo
Build and test succeeded
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

오류 메시지

git

- webhook 오류

Jenkins

- 빌드 오류

[git 프로젝트 주소](#)