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| Name: | CIT 360 JSON Program Use Case |
| Summary: | The user executes the program. First, the user uploads the JSON object and creates a collection of Java Profile objects from the data. The user then creates a new Java Profile object, which is added to the collection. Finally, the user outputs the entire Java Profile collection (which now includes the new profile) to the JSON file – overwriting it. |
| Version: | 1.0 (initial completion/submission) |
| Preconditions: | 1. Windows 7/8/10 2. JDK installed and configured   [How to Run a Java Program from the Command Prompt](https://www.maketecheasier.com/run-java-program-from-command-prompt/)   1. CIT 360 JSON.jar file |
| Triggers | The user wishes to create a new profile and save it for use after the program shuts down |
| Main Success  Scenario | 1. User executes cmd commad:   java -jar “C:<directory>\CIT 360 JSON.jar”   1. System displays:   “Select option by entering the corresponding number"  1 - Create&Add Java Object "Profile"  2 - Convert Java "Profiles" to JSON  3 - Convert JSON "Profiles" to Java Object  4 - Show all Java Object "Profiles"  5 - Exit program”   1. User clicks “3” and then ENTER 2. System displays:   "Converting JSON to Java objects  Profile loaded from JSON file  Select option by entering the corresponding number"  1 - Create&Add Java Object "Profile"  2 - Convert Java "Profiles" to JSON  3 - Convert JSON "Profiles" to Java Object  4 - Show all Java Object "Profiles"  5 - Exit program”   1. User clicks “1” and then ENTER 2. System displays:   “Creating and adding a profile  Enter Profile Name:”   1. User types desired profile name and then ENTER 2. System displays:   “Profile created and added  Select option by entering the corresponding number  1 - Create&Add Java Object "Profile"  2 - Convert Java "Profiles" to JSON  3 - Convert JSON "Profiles" to Java Object  4 - Show all Java Object "Profiles"  5 - Exit program”   1. User clicks “2” and then ENTER 2. System displays   “Converting all Java objects to JSON  All profiles have been converted to JSON.  They are stored locally as "profiles.json"  Select option by entering the corresponding number  1 - Create&Add Java Object "Profile"  2 - Convert Java "Profiles" to JSON  3 - Convert JSON "Profiles" to Java Object  4 - Show all Java Object "Profiles"  5 - Exit program”   1. User clicks “5” and then ENTER 2. *<Program exits>* |
| Alternative Success  Scenario | 1. Perform “Main Success Scenario” steps 1 – 2   *<skip steps 3 – 4; however, this the result will overwrite any current saved profiles.>*   1. Perform “Main Success Scenario” steps 5 – 12 |
| Postconditions: | No change |
| Business Rules | 1. To add a profile to existing profiles, option “3 - Convert JSON "Profiles" to Java Object” must first be run. |
| Notes: | 1. It is impossible to have an empty JSON object. To clear the JSON of current profiles, a new profile must be created and saved to JSON. |
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| Date: | November 14, 2018 |