CS 2334 Project 2 Milestones

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Milestones

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| Use keyboard input to get information from user | We use a custom class that extends BufferedReader, CustomBufferedReader, to gather in user input from the keyboard. |
| Use text file I/O to read and write test files | Used a BufferedWriter/FileWriter to output Strings to a .txt file |
| Create classes to store data on people and places (cities and states). Note that you should create any additional classes (abstract and/or concrete) and/or interfaces you deem necessary to arrive at a good design. | Country holds ArrayList<State>, each State holds ArrayList<City>, each City holds a PersonList, which holds ArrayList<Person>, each Person holds a String name, a String city, a String state, a Date birthDate. |
| Implement both the Comparable and Comparator interfaces to compare one person to another. | Comparable is used for natural sorting of Persons (by name), City (by name), and State (by name). Comparator is used for sorting Persons by First name, Last name, Middle name, and birthdate. |
| Use a List to store, retrieve, and display data related to people and places as described below. | PersonList holds an ArrayList of People. Provides methods for accessing their names, their cities, and their states. |
| Use the sort() and binarySearch() methods from the Collections class to sort and search for data related to people as described below. | Sort(list<t extends comparable>) is used for States and Cities, Sort(list<t>, comparator<t>) is used for Persons, and sort(list<t>, comparator<t>) relies on comparable for Persons. Binary search is used for looking for exact matches, while *for* loops with String.contains() are used for searching for partial matches. |
| Develop and use a proper design | UML, Javadoc, stubcode |
| Use proper documentation and formatting. | Javadoc comments, organized .class file layouts |