Requirements:

Software shall...

1. Track what clinic readings are taken at
2. Track clinic names and IDs for all clinics
3. Save reading, patient, and clinic info to default JSON file(s) when the program is closed
4. Open reading, patient, and clinic info from the default JSON file(s) when the program is opened
5. Allow reading in a file in XML format containing patient readings. All valid data type and complete info (no null/blank attributes) readings, patients, and clinics will be added to the clinical trial.
6. Throw away all invalid/incomplete readings, patients, and clinics when reading any sort of file.
7. Reject all readings that are manually added that have invalid or incomplete reading info.
8. Allow the user to upload a readings file and save clinical trial results to a file
9. Allow the user to add a clinic, add a patient, and add a reading
10. Allow the user to change a patient’s state between Active, Withdrawn, Failed, and Completed
11. Only add readings to a Patient in the Active state
12. Only display readings for a patient in the Active or Completed states