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, but all invalid/incomplete readings, patients, and clinics are thrown away.
6. Reject all readings that are manually added that have invalid or incomplete reading info.
7. Provide buttons for users to perform the following operations: upload readings file, save clinical trial results to file, add a clinic, add a patient, add a reading, resume patient trial, and end patient trial
8. Provide separate frames for adding patients, showing patient info, adding readings, adding clinics, and uploading/saving a file