

1. Phone Book

Requirements:

- Develop a reusable library in C# to manage phone books for users.
- No user interface is required, only an API to create, delete and edit phone book entries.
- Each entry would contain: name (first and last), type (Work, Cellphone or Home) and number.
- Multiple entries under the same name are allowed.
- **The persistence format of the phone book library should be a file, which is not text-based (XML, JSON etc. are not allowed) and is not an embedded DB either (i.e. SQLite, Access, Excel, etc. are not allowed).**
- In addition to creating/editing/deleting, the library also needs to support iterating over the list in alphabetical order or by the first or last name of each entry.

NOTE: A short list of the assumptions that you made when designing/implementing the API would be great.

