Hello,

These are some notes I have about current state of project:

**GOOD SIDES:**  
- It works with good performance (network is only bottleneck here)

- All requested features fully implemented

- Bug free

- Good looking and intuitive UI

- Paging mechanism (previous, next page of search)

- Implemented 2 days before deadline

- Full Software Requirements Specification Documentation with Sequence Diagrams (please read...)

- Implemented logging mechanism (log4net)

- Thread safety (only one instance of ApiClient)

- Asyncrhrous calls to web api with no possiblities to skip over code before reciving message from web api (full async await chain)

- Achitecture is set in that way that it can be scalable (separation of concerns)

- Code is excelently documented (Summaries are everywhere)

- OK security (connection to web api using bearer token which ensures atleast some kind of security)

- Mostly unit tested

**BAD SIDES:**  
- Some parts of the code are realy hard to unit test (WinForms controls, HttpClient)

**POSSIBLE IMPROVMENTS:**

- possible to add caching mechanism (open for discussion)

- better unit testing and better architecture which would lead to better unit testing coverage

- move from .NET framework to .NET Core (figured out late in development that app is on .NET Framework 4.7.2)

- Add check for connection on application initialization

Thanks,

Denis Kotolenko