This FAQ includes both actual frequently asked questions and questions that you would likely get to ask a client in a real-world software implementation process. Each question is tagged with the date it was added as this document will evolve over time.

### How can I get my question here?

Email me (Julian) or post to the discussion forum relating to the FAQ.

### Do we have to use LINQ?

See the CRA for information about the amount of LINQ usage, but if you're struggling to see where it would be useful consider this: when you go to the database to retrieve certain information, have you already retrieved it or some superset of it? If so then you would be better served by using LINQ to query the data you already have in memory.

### How do I connect to the database or SVN server from off campus?

You will need to use the VPN to access the database (also the SVN server) from off campus: http://www.utas.edu.au/service-desk/helpsheet/MyVPN

### The OO model has a separate class for each GUI view. Do we really need to create a User Control for each?

No, you can combine separate view classes from the OO model into the one, more complex component that is the MainWindow. However, using at least one UserControl is a requirement for higher grades on one of the assessment criteria.

### The WPF tutorial solution has a single ComboBox inside a User Control. Is that the level of breakdown we should be aiming for?

No. That's a minimal example of a user control and you would gain no benefit (and a lot of pain) if you were to wrap up individual controls within another layer of control. If you're going to divide your GUI implementation into various User Controls then do so at the level of the views you identified during design.

### I've created a WPF Application, but where is the Main() method?

In a WPF application the Main() method is generated by Visual Studio inside the App class (which represents the application). If you'd like to see it, compile (build) the project and then in a file explorer window navigate to the obj/Debug folder inside your project folder and open App.g.cs in a text editor. The .g part indicates the file is generated. Ugly code, isn't it?

## On group management

### Can I work in a group of one?

No, it's a team-based assignment. Speak to your tutor immediately if you don't yet have a group to work with, and post to the discussion forum.

### Can I keep the same group as in Assignment 1?

No, you will need to change group composition. For some of you this will be unfortunate, since you may have found an effective team in the first assignment, for others it will be a relief, if your A1 team didn't gel as well as it could have.

### How should we divide up the work?

Rather than thinking in terms of partitioning the different parts of the implementation to be completed by different individuals in your group, use your group members as multiple quality-control checks. Some suggested ways to work:

- Work on some small components (some entity classes, or parts of the GUI), then bring together and check each other's work.
- Use pair programming.