Our group found this to be both a rewarding and frustrating assignment. We knew how we ran into difficulties on our own but we found it hard to write them down at first.

The assigned readings really helped and we found that they mirrored our experiences.

Here is our group list:

1. **Repetitive code**: Repeating code is an easy trap to fall into, and often takes some review to understand just how much code is repeated. As a good rule of thumb, if you’re copying and pasting the code it’s probably repetitive and should be changed.

2. **Bad Variable Names**: Variables are essential in programming—no matter which language you’re working in. Because they are so widely used, it’s important to have good habits naming variables.

3. **Not Using Comments**: Use comments. Comments are the documentation of your code. But also, don’t “over comment” because that just adds confusion and makes the coding reader upset!

4. **Language Overload**: A problem that seems to overload growing developers is the barrage of new languages and technologies. Sticking with one language while learning programming is a good plan.

5. **Not Backing Up Code**: As a programmer, it is so important to save and backup your work constantly.

6. **Complicated Code**: Code should be written in the spirit of solving problems efficiently. Simple code is easier to write, easier to maintain, and easier to manage. It is easier to read and to debug, also.

7. **Not Asking Questions**: Programming is hard to do well, and getting better means learning new things constantly. The best thing you can do is read and study programming to get better, but when you need some additional guidance do not be afraid to ask questions.

8. **Not Planning in Advance**: Writing effective software starts with good planning and design.

9. **Not Taking Breaks**: Take a break, really! Programming is mentally taxing and going hours on end pushing your brain to the limits will eventually wear you down. We found that taking a break could lead to an epiphany, too!

10. **Not Having Fun**: Programming can be challenging, frustrating, and can sometimes be a downright grind. Make sure you enjoy the little things that you love about coding and don’t forget to have a little fun.