Code Smarter Checklist

## Assess the Difficulty of the Code:

Will it take more than an hour to complete?

Are you familiar with the languages and technologies to completet the code?

What is the complexity of the code base?

Do you foresee any issues in coding, debugging, testing?

## Establish Clear Requirements:

Is there a clear written statement?

Problems?

Criteria for success/what does solved look like (required – minimum required solution)?

Criteria for success/what does solved look like (desired – best practices)?

Potential issues?

Requirements?

Language/Technology Involved?

Large Issues broken down into smaller problems that can be solved one at a time?

Possible Solutions?

Categorize and rank possible solutions.

More Information Needed?

Smallest tests for each possible solution?

## Create an Execution Plan:

Testing Possible Solutions

Code Files that Will Likely Be Affected

Debrief and Lessons Learned from Testing Each Solution

Reconsidering the Problem: New Solutions

Areas Needing Refactoring

Timebox Limits (how long you will spend in each sitting)

Forced Breaks

Contingency Plan (how long will you spend on desired solution until you fallback on required)

Seeking outside help.

## Document Along The Way

Documents for major parts of the program.

Flow charts.

## Debrief & Record

Debrief lessons learned.

File any documentation created.

Create notecards for items to practice.