

**Phase Four: Implementation and Testing  
Assessment Rubric**

**(Total 45 points)**

**Weight: 15%**

<b>Criteria</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>Mark of proficiency</b>
Implementation description	Very high ability to describe the implementation of the system	Acceptable description of system implantation	Very limited description of system implementation	Not included.	3
Architecture/technology Description	Complete and clear description of technology used.	Acceptable description of technology used.	Very limited description of technology used.	Not included.	3
Testing project's functions	Completely test of project's functions with valid and invalid data	some testing of project's functions	Very limited testing of project's functions	Not included.	7
Specifications	The program works and meets all of the specifications.	The program works and produces the correct results and displays them correctly. It also meets most of the other specifications.	The program produces correct results but does not display them correctly.	The program is producing incorrect results.	3
functionality	All the proposed code was implemented as designed and without defects.	All the proposed code was implemented, but deviated from the design or exhibited defects.	Most of the proposed code was implemented as designed and with only minor defects.	Little of the proposed Code was implemented	3
Coding	Student is able to put blocks of code together and is able to understand how they coordinate together.	Student is able to put blocks of code together and sometimes is able to understand how they coordinate together.	Student is able to put blocks of code together but does not understand how they coordinate with each other.	Student does not try to code at all.	7

Readability	The code is exceptionally well organized and very easy to follow.	The code is easy to read.	The code is readable only by someone who knows what it is supposed to be doing.	The code is poorly organized and very difficult to read.	3
Documentation	The documentation is well written and clearly explains what the code is accomplishing and how.	The documentation consists of embedded comment and some simple header documentation that is somewhat useful in understanding the code.	The documentation is simply comments embedded in the code with some simple header comments separating routines.	The documentation is simply comments embedded in the code and does not help the reader understand the code.	3
Delivery	The program was delivered on time.	The program was delivered within a week of the due date.	The code was within 2 weeks of the due date.	The code was more than 2 weeks overdue.	3
Efficiency	The code is extremely efficient without sacrificing readability and understanding.	The code is fairly efficient without sacrificing readability and understanding.	The code is brute force and unnecessarily long.	The code is huge and appears to be patched together.	3
Originality	Student's ideas are highly innovative, unusual and novel; ideas display inventiveness, often with unexpected or surprise twists.	Student's ideas are unique, although somewhat traditional.	Student's ideas show inspiration from sources borrowed from others, yet extend beyond such work, merging some original thinking with borrowed ideas.	Student's idea is both traditional and predictable; mostly mimics ideas borrowed from others and reflects minimal original thought.	7
<b>Total</b>					<b>45</b>