

System Test Plan for PatternMaker

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C. You will need to fill in your Actual Results for the given tests and write the six additional tests, including actual results (highlighted in yellow). Be sure to add your name as the author for the tests you write.

Test ID	Description	Expected Results	Actual Results
testMenu Author: Dr. Balik	<i>Preconditions:</i> PatternMaker program started <ctrl + c to exit>	Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option:	Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option:
testInvalidOptionWithMoreThanOneCharacter Author: Dr. Balik	<i>Preconditions:</i> PatternMaker program started Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option: Square <ctrl + c to exit>	Invalid option Menu is redisplayed	Invalid option Menu is redisplayed
testOneSquare Author: Dr. Balik	<i>Preconditions:</i> PatternMaker program started Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option: s Rows: 1 Columns: 1 <ctrl + c to exit>	<pre> _ _ Menu is redisplayed</pre>	<pre> _ _ Menu is redisplayed</pre>

Test ID	Description	Expected Results	Actual Results
testTwoByThreeSquares Author: Dr. Balik	<i>Preconditions:</i> PatternMaker program started Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option: S Rows: 2 Columns: 3 <ctrl + c to exit>	<pre>- - - _ _ _ _ </pre> Menu is redisplayed	<pre>- - - _ _ _ _ </pre> Menu is redisplayed
testInvalidRowWithGreaterThanTen Author: Anthony Du	<i>Preconditions:</i> PatternMaker program started Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option: t Rows: 11 <ctrl + c to exit>	Invalid rows	Invalid rows
testInvalidColumnWithZero Author: Anthony Du	<i>Preconditions:</i> PatternMaker program started Pattern Maker - Please choose an option. S - Square T - Triangle D - Diamond Q - Quit Option: S Rows: 10 Column: 0 <ctrl + c to exit>	Invalid columns	Invalid columns
testInvalidRowWithZero	<i>Preconditions:</i> PatternMaker program started	Invalid rows	Invalid rows

Author: Anthony Du	<p>Pattern Maker - Please choose an option.</p> <p>S - Square T - Triangle D - Diamond Q - Quit</p> <p>Option: D Rows: 0</p> <p><ctrl + c to exit></p>		
testInvalidColumnWithGreaterThanTen Author: Anthony Du	<p><i>Preconditions:</i> PatternMaker program started</p> <p>Pattern Maker - Please choose an option.</p> <p>S - Square T - Triangle D - Diamond Q - Quit</p> <p>Option: S Rows: 10 Columns: 11</p> <p><ctrl + c to exit></p>	Invalid columns	Invalid columns
testOneTriangles Author: Anthony Du	<p><i>Preconditions:</i> PatternMaker program started</p> <p>Pattern Maker - Please choose an option.</p> <p>S - Square T - Triangle D - Diamond Q - Quit</p> <p>Option: T Rows: 1</p> <p><ctrl + c to exit></p>	<p>/\ /_\ Menu is redisplayed</p>	<p>/\ /_\ Menu is redisplayed</p>
testOneDiamonds Author: Anthony Du	<p><i>Preconditions:</i> PatternMaker program started</p> <p>Pattern Maker - Please choose an option.</p> <p>S - Square</p>	<p>/\ \ Menu is redisplayed</p>	<p>/\ \ Menu is redisplayed</p>

Author: Anthony Du	<p>Pattern Maker - Please choose an option.</p> <p>S - Square T - Triangle D - Diamond Q - Quit</p> <p>Option: S Rows: 10 Columns: 10</p> <p><ctrl + c to exit></p>	<div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div></div> <p>Menu is redisplayed</p>	<div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div><div> _ _ _ _ _ _ _ _ _ </div></div> <p>Menu is redisplayed</p>
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