Self-Assessment

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| Criteria | Self - Rating | Pts |
| Conceptual coverage  Demonstrates correct use of MATLAB programming concepts | All concepts such as vectors, loops such as while and for, functions and conditional executions are used in this project. | 40 pts |
| Value-add.  The amount of value that you added in your assignment How much coding and conceptual effort is demonstrated by your code. Is the code that other sources contributed clear from your comments? Is the functionality of that code (as the program runs) substantial? | The code enhances user experience by providing a graphical user interface, with instructions, gameplay elements such as scoring, controlling paddle and adjustable ball speed and options for multiplayer mode. Additionally, it is well documented and commented making it easy to understand and develop further for the future updates. | 20 pts |
| Incremental  Development  Are there intermediate MATLAB and test files that indicate a  clear path to development of the project? | The code is organized into functions, for single player and multiplayer modes, handling collisions and managing the main menu. Each stage of development is well documented with comments, in seven files enabling component testing and debugging. | 15 pts |
| Testing Strategy  Evidence of testing through test files and intermediate versions of MATLAB code. | I have created test files that thoroughly test each stage of the final code. These test files cover various aspects of the program, including user interface interactions, game mechanics, and edge cases. Each test file is well-documented, making it clear what aspects of the program are being tested and the description of the output. For example, in the game, I tested ball movement, collision detection, paddle control, and scoring separately to ensure they work correctly. This approach has helped in identifying and fixing any issues in isolation. | 15 pts |
| Comments and style  Consistent use of indenting- Consistent and sensible use of variable names. Commenting throughout all versions of program. | I have comments and style aligns with the expectations outlined in the rubric. I have consistently applied proper indenting, had sensible variable names, and provided comprehensive comments throughout all versions of the program. | 10 pts |