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Assumptions

- 1. Only two players (i.e. singles match)
- 2. Does not need to take into account who 'serves' first (i.e. breaking serves etc)
- 3. Random player wins a rally, which therefore randomly wins a game, set, match

Hardware and dev environment

- 1. Intel Core i7-8850H CPU
- 2. 16 GB DDR4 RAM
- 3. 1 TB SSD
- 4. Visual Studio 2019
- 5. .NET Framework 4.7.2
- 6. Unit tests written using MSTest (.NET 4.7.2)

General comments and limitations

- The main limitation is that it only simulates a singles match. It would need to be refactored so that Player 1 and Player 2 are 'teams' which should be relatively simple to do.
- Each match is developed againt ISet and IMatchParameters interfaces which make it far easier to mock in the tests.
- It became a bit slow when simulating up to 100 000+ tennis matches which, I acknowledge, could be improved given more time.
- Player 'ID's' are also hard coded in places, which could be abstracted out into a proper data structure/storage feature even its own class.
- Total time: I did it in roughly 45 minute bursts.. I'd say total time to complete was roughly 3h30mins.. where most of the time was spent on the tests.