14/08/2017

2.7.0 Options

89 specs, 0 failures finished in 0.053s

```
Game
```

```
constructor
 has ten frames
  the current frame number is 0
 has the player
 has a score of 0
 is first roll is true
is first roll
 first roll has knocked down less than ten pins
 first roll has knocked down ten pins
receive roll
 first frame in a consecutive pair is an open frame
   updates the frame's first roll
   updates the frame's second roll
   updates the current frame number
    there is no previous frame
      updates the frame's score
      updates the game's score
    second frame in the consecutive pair is an open frame
      updates the frame's score
      updates the games's score
    second frame in the consecutive pair is a spare
      does not update the frame's score
      does not update the games's score
    second frame in the consecutive pair is a strike
      does not update the frame's score
      does not update the games's score
  first frame in a consecutive pair is a spare
    updates the frame's first roll
   updates the frame's second roll
   updates the current frame number
    there is no previous frame
      does not update the frame's score
      does not update the game's score
    second frame in the consecutive pair is an open frame
      updates the first frame's score
```

updates the second frame's score updates the games's score second frame in the consecutive pair is a spare updates the first frame's score does not update the second frame's score updates the games's score second frame in the consecutive pair is a strike updates the first frame's score does not update the second frame's score updates the games's score first frame in a consecutive pair is a strike updates the frame's first roll updates the current frame number there is no previous frame does not update the frame's score does not update the game's score second frame in the consecutive pair is an open frame updates the first frame's score updates the second frame's score updates the games's score second frame in the consecutive pair is a spare updates the first frame's score does not update the second frame's score updates the games's score second frame in the consecutive pair is a strike does not update the first frame's score does not update the second frame's score does not update the games's score first and second frames in a consecutive triple are strikes third frame in the consecutive triple is an open frame updates the first frame's score updates the second frame's score updates the third frame's score updates the games's score third frame in the consecutive triple is a spare updates the first frame's score updates the second frame's score does not update the third frame's score updates the games's score third frame in the consecutive triple is a strike updates the first frame's score does not update the second frame's score does not update the third frame's score updates the games's score

Frame

```
constructor
    has an TD
    has zero pins recorded for first roll
   has zero pins recorded for second roll
   has zero pins recorderd for first extra roll
   has zero pins recorderd for second extra roll
    is not a strike
    is not a spare
   has a score of zero
  setFirstRoll
    can set first roll
    cannot set first roll to more than 10 pins
    is a strike if 10 pins are knocked down
    is not a strike if less than 10 pins are knocked down
  setSecondRoll
    can set second roll
    cannot set second roll if the total is more than 10 pins
    is a spare if 10 pins are knocked down
    is not a spare if less than 10 pins are knocked down
    is open if less than 10 pins are knocked down
  setFirstExtraRoll
    cannot be set for frames 1 - 9
    cannot be set for final frame if it is Open
    cannot be set to more than 10 pins
    can be set for final frame if it is a Spare
    can be set for final frame if it is a Strike
  setSecondExtraRoll
    cannot be set for frames 1 - 9
    cannot be set for final frame if is Open
    cannot be set for final frame if is a Spare
    cannot be set if the total of extra rolls is more than 10 pins
    can be set for final frame if it is a Strike
  calculate score
    calculates score given previous total and bonus
    throws an error if previous total is missing
    throws an error if bonus is missing for a strike/spare frame
    does not throw an error if bonus is missing for an open frame
Player
  constructor
    has a name
```