C:\Python27\python.exe "C:/Users/Joer/Documents/SI 330/Bonus NetworkX/bonus\_network\_jpcarron.py"

degree: [('Harrison Ford', 0.056962025316455694), ('Natalie Portman', 0.04746835443037974), ('Leonardo DiCaprio', 0.04746835443037974), ('Tom Hanks', 0.04746835443037974), ('Liam Neeson', 0.0379746835443038), ('Brad Pitt', 0.0379746835443038), ('Christian Bale', 0.0379746835443038), ('Matt Damon', 0.028481012658227847), ('Michael Caine', 0.028481012658227847), ('Mark Hamill', 0.028481012658227847)]

betweenness: [('Leonardo DiCaprio', 0.10414372781461388), ('Brad Pitt', 0.06405465139642354), ('Christoph Waltz', 0.061884669479606184), ('Ben Kingsley', 0.03656285580336212), ('Edward Norton', 0.03620655013060076), ('Natalie Portman', 0.031341169379144045), ('Liam Neeson', 0.030914205344585086), ('Edward Furlong', 0.030661040787623065), ('Kate Winslet', 0.030661040787623065), ('Mark Ruffalo', 0.024753867791842472)]

closeness: [('Leonardo DiCaprio', 0.11481194791002641), ('Ben Kingsley', 0.10476276209733264), ('Christoph Waltz', 0.10251944813379232), ('Joseph Gordon-Levitt', 0.09953551409247613), ('Tom Hardy', 0.09953551409247613), ('Mark Ruffalo', 0.09891855842661366), ('Max von Sydow', 0.09672036823935558), ('Kerry Washington', 0.09537167784557972), ('Jamie Foxx', 0.09537167784557972), ('Liam Neeson', 0.09406008306184875)]

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degree1: [('Harrison Ford', 0.060126582278481014), ('Natalie Portman', 0.05063291139240506), ('Leonardo DiCaprio', 0.04746835443037974), ('Tom Hanks', 0.04746835443037974), ('Brad Pitt', 0.04430379746835443), ('Liam Neeson', 0.0379746835443038), ('Christian Bale', 0.0379746835443038), ('Matt Damon', 0.028481012658227847), ('Michael Caine', 0.028481012658227847), ('Mark Hamill', 0.028481012658227847)]

betweenness1: [('Brad Pitt', 0.10328444176545439), ('Leonardo DiCaprio', 0.08737726876967382), ('Natalie Portman', 0.06072567142187397), ('Christoph Waltz', 0.04994039247203805), ('Edward Norton', 0.04098854731766124), ('Liam Neeson', 0.0381849842609336), ('Edward Furlong', 0.03459915611814346), ('Kate Winslet', 0.03459915611814346), ('Harrison Ford', 0.033661509610876696), ('Mark Ruffalo', 0.027848101265822784)]

closeness1: [('Brad Pitt', 0.13169749361475203), ('Leonardo DiCaprio', 0.12583807122934992), ('Christoph Waltz', 0.1253071089034877), ('Natalie Portman', 0.12096857356467039), ('Liam Neeson', 0.1197491322988975), ('Ben Kingsley', 0.1129193338788083), ('Gary Oldman', 0.11164580755686684), ('M\xc3\xa9lanie Laurent', 0.11081262988853201), ('Eli Roth', 0.11081262988853201), ('Kerry Washington', 0.10958592180858517)]

Wrote node-link JSON data to imdb\_actors\_graph\_modified.json

Process finished with exit code 0