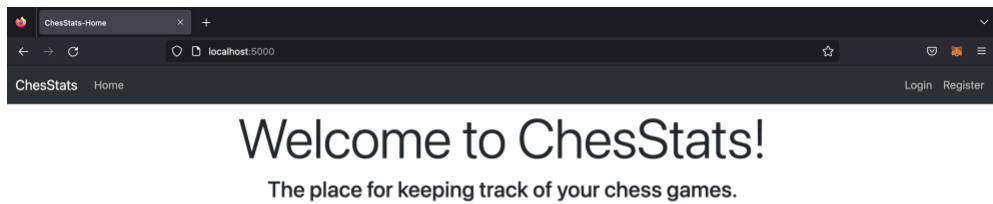
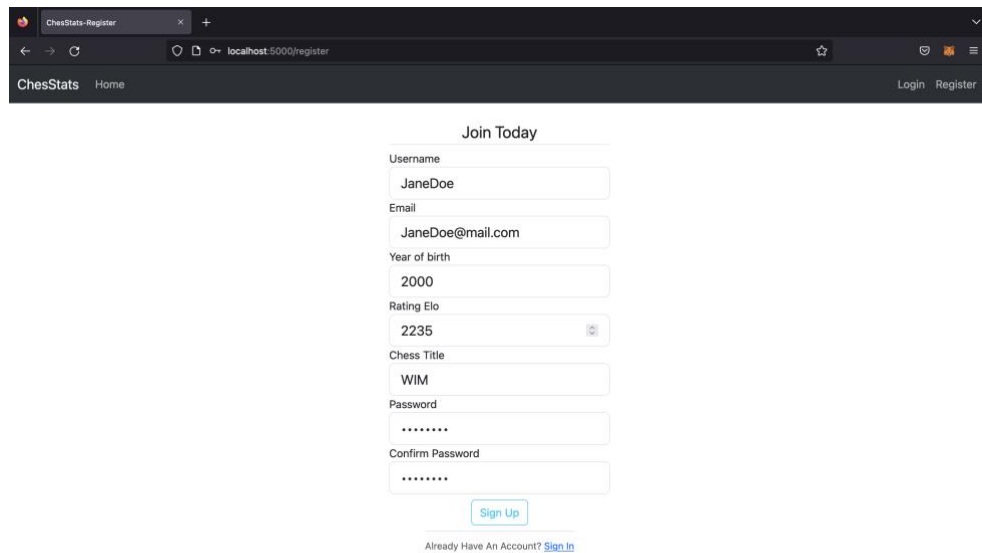


Manual Use Instruction of ChessStats

1. Download zip files „flask-chess-webapp-main”
2. Run file ‘run.py’
3. Copy generated link or enter ‘localhost:5000’ in your web browser
4. Now, you are on our website: ChessStats



5. To use our website, you need to create an account in the "Register" tab. Enter your personal details. If you do not have an elo rating, enter 1000. Also, if you do not have a chess category select ‘None’. If you have an account, you can omit this step.



The screenshot shows a web browser window with the address bar displaying 'localhost:5000/register'. The page title is 'ChesStats-Register'. The navigation bar includes 'ChesStats' and 'Home' on the left, and 'Login' and 'Register' on the right. The main content area is titled 'Join Today' and contains a registration form with the following fields: Username (JaneDoe), Email (JaneDoe@mail.com), Year of birth (2000), Rating Elo (2235), Chess Title (WIM), Password (masked with dots), and Confirm Password (masked with dots). A 'Sign Up' button is at the bottom of the form, and a link 'Already Have An Account? Sign In' is below it.

ChesStats-Register

localhost:5000/register

ChesStats Home Login Register

Join Today

Username
JaneDoe

Email
JaneDoe@mail.com

Year of birth
2000

Rating Elo
2235

Chess Title
WIM

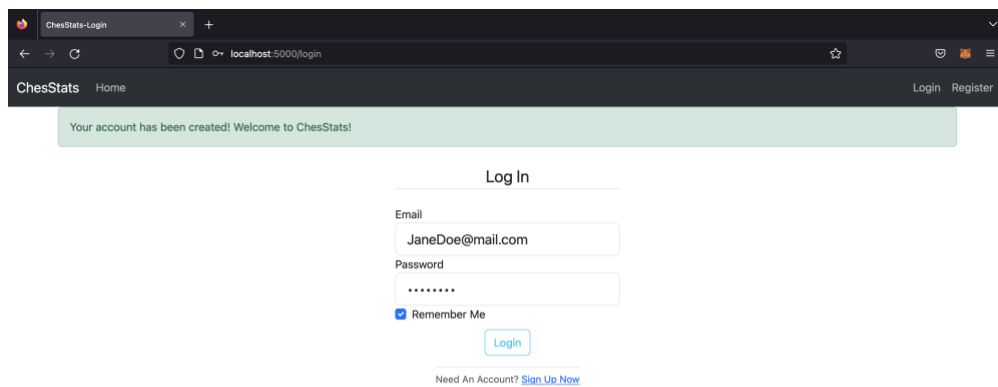
Password
.....

Confirm Password
.....

Sign Up

Already Have An Account? [Sign In](#)

6. Next, you can log in to use our website.



The screenshot shows a web browser window with the address bar displaying 'localhost:5000/login'. The page title is 'ChesStats-Login'. The navigation bar includes 'ChesStats' and 'Home' on the left, and 'Login' and 'Register' on the right. A green success message banner at the top reads 'Your account has been created! Welcome to ChesStats!'. The main content area is titled 'Log In' and contains a login form with the following fields: Email (JaneDoe@mail.com), Password (masked with dots), and a 'Remember Me' checkbox which is checked. A 'Login' button is at the bottom of the form, and a link 'Need An Account? Sign Up Now' is below it.

ChesStats-Login

localhost:5000/login

ChesStats Home Login Register

Your account has been created! Welcome to ChesStats!

Log In

Email
JaneDoe@mail.com

Password
.....

☒ Remember Me

Login

Need An Account? [Sign Up Now](#)

7. Your details are displayed in the 'Account' tab, which you can update at any time by pressing submit in 'Account info' form.

The screenshot shows a web browser window with the address bar displaying 'localhost:5000/account'. The page title is 'ChesStats' and the user is logged in as 'JaneDoe'. The user's email is 'JaneDoe@mail.com', their chess title is 'WIM', and their year of birth is '2000'. Their rating is '2321'. Below this information is an 'Account Info' form with the following fields:

- Username: JaneDoe
- Email: JaneDoe@mail.com
- Elo: 2321
- Chess Title: WIM

An 'Update' button is located at the bottom of the form.

- Next, you can choose what you want to do in our website. At the beginning, we will present the 'Add Game' tab. You can add your games there. Select the color you played, the game result, and chess games moves. You can copy and paste chess moves in pgn format. In order to add game press 'Add' button. You can add more of your games using the above method.

Example of chess moves in pgn format:

1. d4 Nf6 2. c4 e6 3. Nf3 d5 4. Nc3 dxc4 5. e4 b5 6. e5 Nd5 7. Nxb5 Nb6 8. Be3 Nc6 9. Be2 Be7 10. O-O O-O 11. Nc3 Rb8 12. a3 Na5 13. Qc2 Nd5 14. Rad1 Ba6 15. Bd2 Nb3 16. Ne4 Nxd2 17. Rxd2 Nf4 18. Bxc4 Rxb2 19. Qxb2 Bxc4 20. Rc1 Bd5 21. Re1 Qa8 22. Qc2 Bxa3 23. Nfg5 Ng6 24. h4 Bb4 25. h5 Bxd2 26. Qxd2 h6 27. hxg6 hxg5 28. gxf7+ Kxf7 29. Nxg5+ Ke8 30. f3 Kd7 31. Ne4 Bxe4 32. Rxe4 Qd5 33. Qb4 Rg8 34. Qa4+ Qc6 35. Qxa7 Ra8 36. Qc5 Qxc5 37. dxc5 Kc6 38. Rg4 Kxc5 39. Rxg7 Kd5 40. Rxc7 Kxe5 41. Rf7 Kd6 42. Kf2 e5 43. g4 Ke6 44. Rf5 Ra3 45. Rf8 Ke7 46. Rb8 Kf7 47. Rc8 Ke7 48. Rc2 Kf6 49. Re2 Rb3 50. Re3 Rb2+ 51. Kg3 Rc2 52. Ra3 Rb2 53. Ra6+ Kf7 54. Rh6 Rb3 55. Kf2 Ra3 56. Rb6 Ke7 57. Ke2 Rc3 58. Kf2 Ra3 59. Rb2 Kf6 60. Re2 Rb3 61. Re3 Rb2+ 62. Kg3 Rc2 63. Rb3 Ra2 64. Rb6+ Kf7 65. g5 Ra4 66. Rf6+ Ke7 67. Rh6 Kf7 68. Rh4 Ra5 69. Kg4 Ra4+ 70. Kh5 Ra3 71. f4 exf4 1/2-1/2

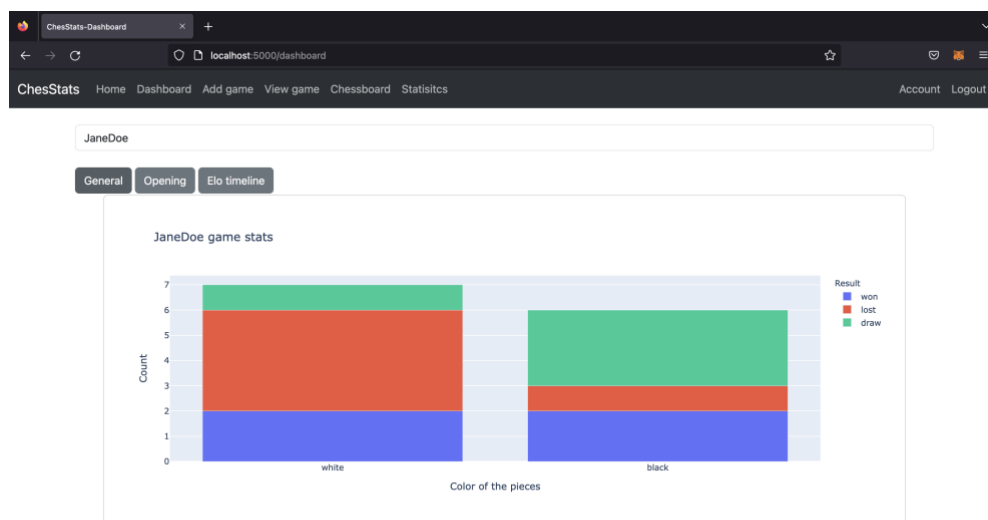
- Then you can watch the added chess games. Select a game by pressing ‘View’ next to it.

id	Player	Piece color	Result	Moves	Elo	Link
1	JaneDoe	white	draw	1. d4 Nf6 2. c4 e6 3. Nf3 d5 4. Nc3 dxc4 5. e4 b5 6. e5 Nd5 7. Nxb5 Nb6 8. Be3 Nc6 9. Be2 Be7 10. O-O O-O 11. Nc3 Rb8 12. a3 Na5 13. Qc2 Nd5 14. Rad1 Ba6 15. Bd2 Nb3 16. Ne4 Nxd2 17. Rxd2 Nf4 18. Bxc4 Rxb2 19. Qxb2 Bxc4 20. Rc1 Bd5 21. Re1 Qa8 22. Qc2 Bxa3 23. Nfg5 Ng6 24. h4 Bb4 25. h5 Bxd2 26. Qxd2 h6 27. hvg6 hvg5 28. gxf7+ Kxf7 29. Nvg5+ Ke8 30. f3 Kd7 31. Ne4 Bxe4 32. Rxe4 Qd5 33. Qb4 Rg8 34. Qa4+ Qc6 35. Qxa7 Ra8 36. Qc5 Qxc5 37. dxc5 Kc6 38. Rg4 Kxc5 39. Rvg7 Kd5 40. Rxc7 Kxe5 41. Rf7 Kd6 42. Kf2 e5 43. g4 Ke6 44. Rf5 Ra3 45. Rf8 Ke7 46. Rb8 Kf7 47. Rc8 Ke7 48. Rc2 Kf6 49. Re2 Rb3 50. Re3 Rb2+ 51. Kg3 Rc2 52. Ra3 Rb2 53. Ra6+ Kf7 54. Rh6 Rb3 55. Kf2 Ra3 56. Rb6 Ke7 57. Ke2 Rc3 58. Kf2 Ra3 59. Rb2 Kf6 60. Re2 Rb3 61. Re3 Rb2+ 62. Kg3 Rc2 63. Rb3 Ra2 64. Rb6+ Kf7 65. g5 Ra4 66. Rf6+ Ke7 67. Rh6 Kf7 68. Rh4 Ra5 69. Kg4 Ra4+ 70. Kh5 Ra3 71. f4 exf4	2321	View
2	JaneDoe	black	draw	1. e4 c5 2. Nf3 d6 3. d4 cxd4 4. Qxd4 Nc6 5. Bb5 a6 6. Bxc6+ bxc6 7. c4 e5 8. Qd3 Ne7 9. c5 Ng6 10. cxd6 Qxd6 11. Qxd6 Bxd6 12. Be3 a5 13. O-O f6 14. Rc1 Ra6 15. Nbd2 Be6 16. Ne1 Kf7 17. Nd3 Rd8 18. Kf1 Bb4 19. Ke2 Nh4 20. Nxb4 axb4 21. g3 Ng6 22. Bc5 Rb8 23. a3 bxa3 24. Rxa3 Rba8 25. Nc4 Bxc4+ 26. Rxc4 Nf8 27. Rb3 Ne6 28. Rb7+ Kg8 29. Be3 Rd8 30. f4 Nd4+ 31. Bxd4 exd4 32. Kd2 Ra1 33. Rxc6 Rh1 34. Rcc7 Rxb2+ 35. Kd3 g6 36. e5 fxe5 37. fxe5 Rh3 38. Ke4 Rvg3 39. Rg7+ Kh8 40. Rxh7+ Kg8 41. Kf4 Re3 42. Rbg7+ Kf8 43. Rf7+ Kg8 44. Rf7+ Kf8 45. Rf7+ Kg8 46. Rhg7+ Kh8 47. Rvg6 Re2 48. e6 Re8 49. Rh6+ Kg8 50. Rg6+ Kh8 51. Rf6 Re7 52. b4 d3 53. Rg3 d2 54. Rh6+ Rh7 55. Rxh7+ Kxh7 56. Rd3 Kg6 57. Kf3 Rxe6 58. Rxd2 Kf6 59. Kf4 Re1 60. Rd4 Ke6	2321	View
3	JaneDoe	white	won	1. e4 e5 2. Nf3 Nc6 3. Bb5 Nf6 4. d3 Bc5 5. Nbd2 Nd4 6. Nxd4 Bxd4 7. c3 Bb6 8. d4 c6 9. dxe5 cxb5 10. exf6 Qxf6 11. O-O O-O 12. Qh5 Qc6 13. Re1 Re8 14. Nf3 d5 15. exd5 Rxe1+ 16. Nxe1 Qc4 17. h3 Bd7 18. Qf3 Re8 19. Be3 Bxe3 20. fxe3 Re5 21. d6 Qd5 22. Rd1 Qxf3 23. Nxf3 Rxe3 24. Rd5 f6 25. Rc5 Re6 26. Rc7 Rxd6 27. Rxb7 a6 28. Nd4 h5 29. h4 g5 30. g3 Kf7 31. Kf2 Kg6 32. Ke3 Rd5 33. Ra7 Rd6 34. b3 Be6 35. Rc7 Rd5 36. Rc6 Re5+ 37. Kf2 Bd7 38. Rxa6 gxf4 39. gxf4 Re4 40. Rd6 Bc8 41. Rd8 Bg4 42. Rd5 Bc8 43. Rc5 Bd7 44. Rc7 Be8 45. Nf3 Re6 46. Ra7 Re4 47. Ra8 Kf7 48. Rd8 Re7 49. Rd2 Re4 50. Rd5 Kg6 51. a3 Re7 52. Nd4 Re4 53. Nxb5 Rxf4 54. Nd4 Rh2+ 55. Kg3 Rd2 56. c4 Rd3+ 57. Kh4 Bf7 58. Rd8 Rd1 59. a4 Rh1+ 60. Kg3 h4+ 61. Kg2 Rc1 62. a5 Kh5 63. Kf2 Kg4 64. Rf8 h3 65. Rxf7 h2 66. Rg7+ Kf4 67. Ne2+ Ke5 68. Ng3 Rc2+ 69. Kf3 Rc3+ 70. Kg2 Rxb3 71. a6 Ra3 72. a7 Kd4 73. Nf5+ Kxc4 74. Rb7 Kc5 75. Ne7	2421	View
4	JaneDoe	black	won	1. e4 e5 2. Nf3 Nf6 3. Nxe5 d6 4. Nf3 Nxe4 5. d4 d5 6. Bd3 Bd6 7. O-O O-O 8. c4 c6 9. Qb3 Bg4 10. Bxe4 dxe4 11. Ng5 Be7 12. Nxe4 Qxd4 13. Qxb7 Qxe4 14. Qxa8 Bh3 15. gxh3 Qg6+ 16. Kh1 Qe4+ 17. Kg1 Qg6+ 18. Kh1 Qe4+ 19. f3 Qd3 20. Kg2 Qg6+ 21. Kh1 Qd3 22. Nd2 Qd7 23. Ne4 Na6 24. Qxf8+ Bxf8 25. Bf4 Qxh3 26. Rad1 h6 27. Bg3 Nc5 28. Rfe1 Ne6 29. a3 h5 30. Rd3 Qf5 31. b4 h4 32. Bb8 Ng5 33. Rde3 Nxe4 34. fxe4 Qf2 35. h3 Be7 36. Bh2 Bg5 37. Bg1 Qd2 38. R3e2 Qd3 39. Be3 Bf6 40. Bxa7 Qxh3+ 41. Kg1 Qg3+ 42. Kf1 h3 43. Bg1 Bh4	2521	View

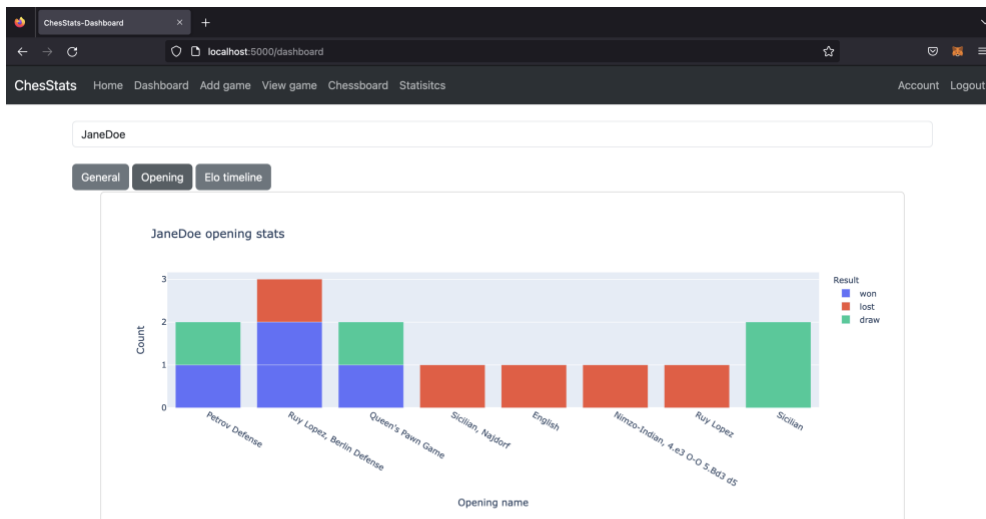
- Now, you can see a chessboard with your chess game. Depending on which color you played, you will be able to view the game from this perspective. By pressing the 'next move' and 'previous move' buttons you can analyze your chess game



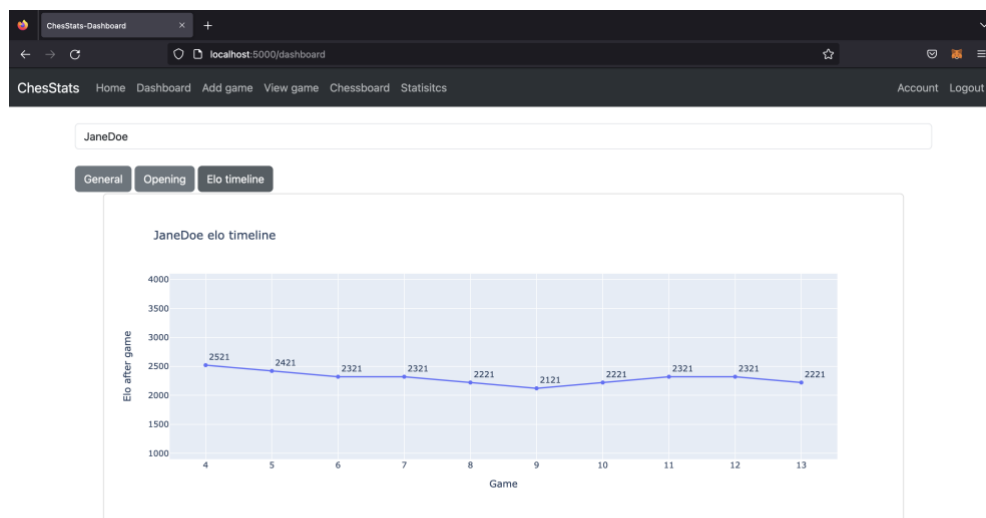
11. In the "Dashboard" section you can see your statistics. In the 'general' tab there is a division into the number of games played with white and black. Moreover, each bar represents the number of games won (purple), drawn (green) and lost (red).



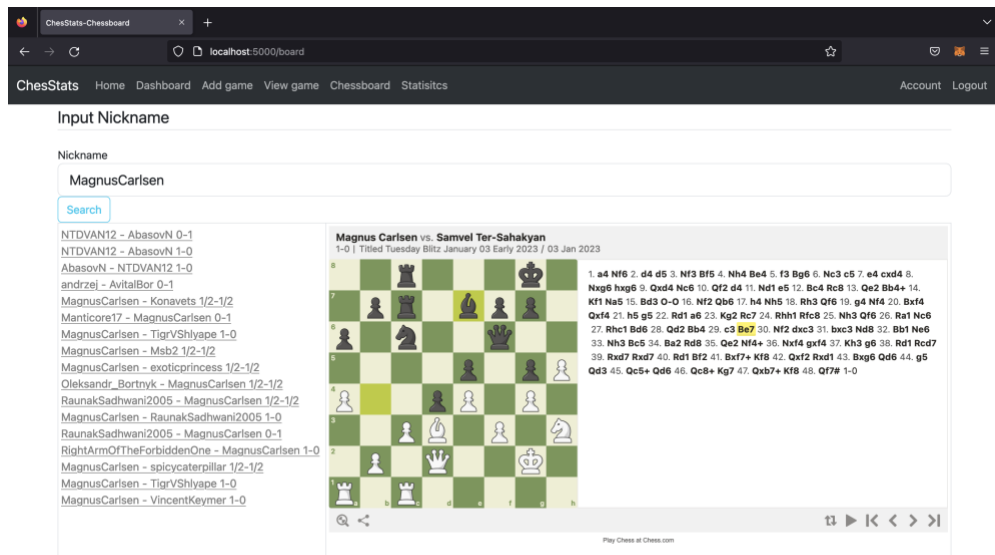
12. Moreover, 'opening' shows the list of openings in the added games. If the opening is repeated, its bar height increases. [the Petrov Defense was played in two games, therefore on the Y-axis Count = 2]. The color of the bar reflects the result of the game we got in that opening.



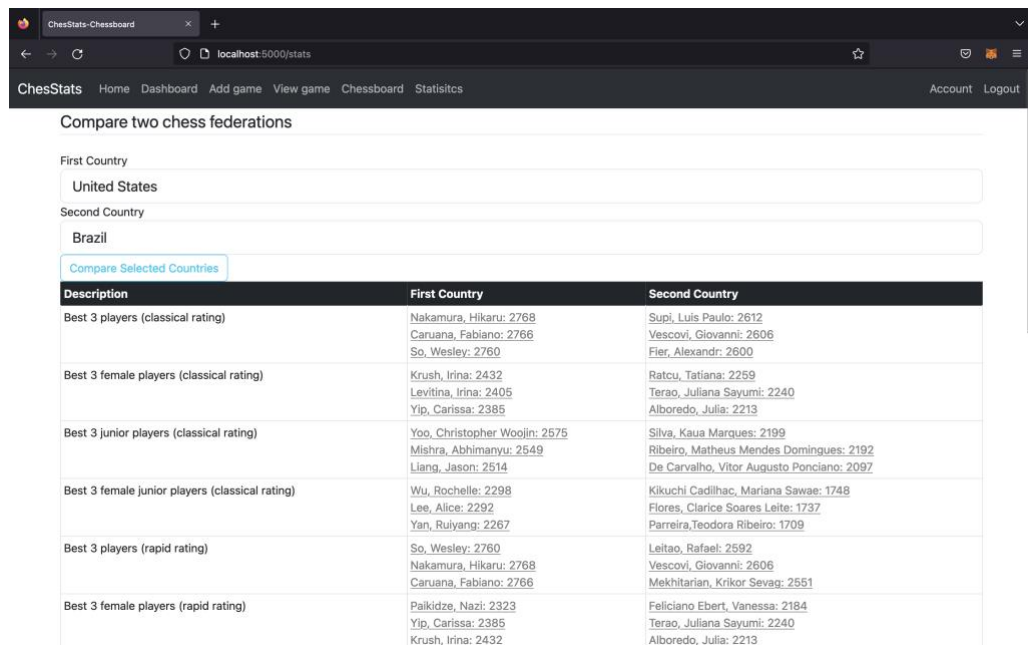
13. On this website you can also see how your ranking changes after each game. Your ranking increases after a win, decreases when you lose, and stays the same when drawn.



14. However, if you are interested in the Grand Masters games, you can visit 'Chessboard' tab. There you can search for GM's game by inputting his or her chess.com nickname. Additionally, you can choose a game from the list. You can view the game by pressing on the next chess moves or by pressing the arrow below.



15. The last option our website offers is the chess federation comparison browser. Two countries can be selected in the drop-down list for which chess statistics will be provided, such as: the best chess players, the best women, the best juniors etc. In addition, below you can see the number of chess players in each country by gender and category. For a country with more Grandmasters, the number will light up green.



Best 3 female junior players (rapid rating)	Lee, Alice: 2292 Wu, Rochelle: 2298 Yan, Ruiyang: 2267	De Souza, Linyel Francini Lemos: 0 Kikuchi Cadilhac, Mariana Sawae: 1748 Zancanaro, Gislaine I Maciel: 0
Best 3 players (blitz rating)	Nakamura, Hikaru: 2768 Caruana, Fabiano: 2766 Aronian, Levon: 2735	Fier, Alexandr: 2600 Leitao, Rafael: 2592 Mekhitarian, Krikor Sevag: 2551
Best 3 female players (blitz rating)	Zatonskih, Anna: 2349 Krush, Irina: 2432 Abrahamyan, Tatev: 2312	Terao, Juliana Seyumi: 2240 Alboreda, Julia: 2213 Librelato, Kathie Goulart: 2194
Best 3 junior players (blitz rating)	Yoo, Christopher Woojin: 2575 Mishra, Abhimanyu: 2549 Park, Evan: 2362	Haraquchi, Diego Sashaki: 2057 Ribeiro, Matheus Mendes Domingues: 2192 Silva, Kaua Marques: 2199
Best 3 female junior players (blitz rating)	Lee, Alice: 2292 Yan, Ruiyang: 2267 Wu, Rochelle: 2298	Santana Freitas, Maria Eduarda: 1448 De Medeiros, Yasmin Soares: 1608 Kikuchi Cadilhac, Mariana Sawae: 1748
Number of Females		1777 3945
Number of Males		19935 18428
Number of junior Females		666 1335
Number of junior Males		2855 3374
Number of GM		106 15
Number of IM		166 31
Number of FM		377 112
Number of CM		166 31
Number of WGM		106 15
Number of WIM		166 31
Number of WFM		377 112
Number of WCM		166 31

16. If you want to get to know more about a player, click on his name and you will see his profile on the official FIDE.com website.

The screenshot shows the FIDE.com website with the profile of Fabiano Caruana. The profile section includes a photo of Caruana, his name, and various statistics. The 'Rating' section shows three bars: standard (2766), rapid (2758), and blitz (2818). The 'Profile Details' tab is selected, showing personal information and a list of other tabs like 'Individual Calculations', 'Rating Process Chart', 'Results Statistics', 'Top Lists Records', and 'FOA Rating'.

17. Thank you for using our site, I hope you enjoyed it and come back soon! :)