https://chessboardjs.com/

https://en.wikipedia.org/wiki/Forsyth%E2%80%93Edwards_Notation

https://github.com/jhlywa/chess.js/blob/master/README.md

Title: Naproxen? Ibuprofen? ChessMed? MedChess? Openings

Topic:

Chess opening trainer site. Allows users to practice specific chess openings so they're prepared to practice the theory in their next game.

Audience:

The audience is for beginner and intermediate Chess players who want to memorize their theoretical opening positions.

Design & Style:

Using the chessboard colors as a base, I used Coolers.co to find a color palette mixture of greens and purples to bring the app to life. I plan to make this site easy on the eyes so players can focus on practicing their openings.

- /* CSS HEX */
    - --cafe-au-lait: #b58863ff;
    - --wheat: #f0d9b5ff;
    - --dark-liver: #3d3a4bff;
    - --viridian: #56876dff;
    - --dark-spring-green: #04724dff;

Site Inspirations:

- https://www.chess.com/home
- https://lichess.org/practice/checkmates/piece-checkmates-i/BJy6fEDf/dW7KluoY

- https://chess24.com/en/analysis

Scope:

I plan to have 4 pages:

- Home page
    - Listing access to the practice area, how to use the website depending on skill level, why the site was made, and also leaving my email for people to leave recommendations
- Sign-in page
    - Sign-in page. Signed-in users will be able to create openings, update their openings or their profile information, and delete their openings.
- Practice Page
    - Has the chessboard as well as the pieces that were played. Will output an error message if the user plays the wrong piece for the specific opening.
    - Openings are stored in the database. Separate table for hard-coded openings and user-created openings.
- Learning Page
    - Lists openings, shows an animation of the opening when you play it, and also contains a link to someone explaining how the opening works
    - Can open a new page with that specific opening that has the content in the list item pulled up and allows someone to practice the opening with help from the database.
    - Progress saved for if you've clicked an opening before.

Database:

- What data will be stored in the database?
    - UUID, User Info, Chess Openings
- Where is data coming from?
    - https://www.365chess.com/eco.php

- From the user when they make an account

Database Diagram:

The database pdf will be merged with this pdf

Wireframes (minimum of 4 wireframes total):

The wireframe pdf will be merged with this pdf.

Note: The order of the wireframes is 1) Main Page Desktop, 2) Main Page Mobile, 3) Practice Page Desktop, and 4) Practice Page Mobile. Also, the gray boxes are meant to show a potential div structure (and I'm not sure on if I want a background color for those yet or not).

Text to hook user to using my site =D

Queen’s Opening

Text to hook user to using my site =D

Chessboard showing random openings being played out

Footer

Chessboard to practice openings, randomly chosen to be either white or black

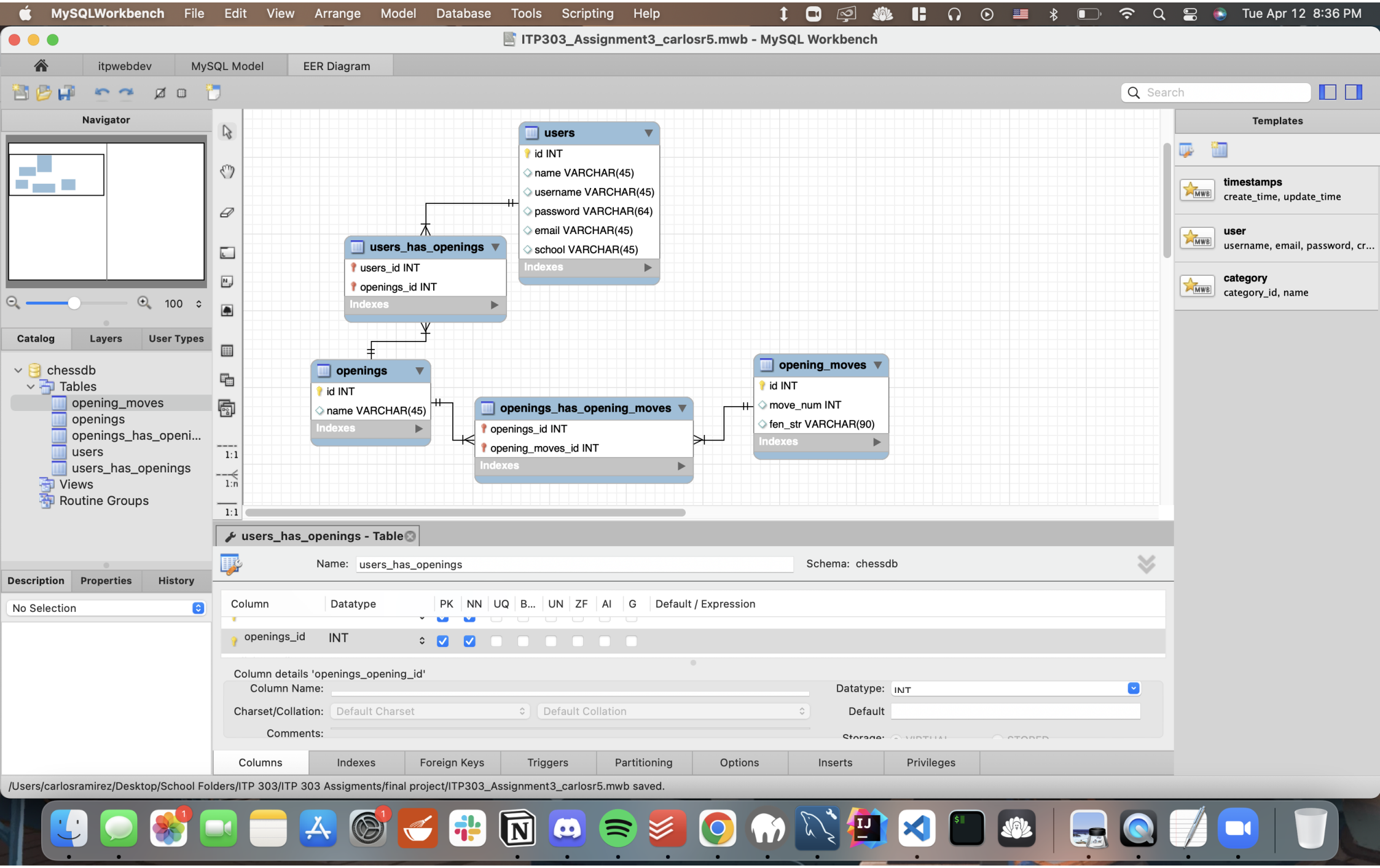
Name of Opening to Play

Showing the moves made so far, as well as the alternate lines that don’t work for the specified opening

Queen’s Opening

Opening to Play

Moves made so far


MySQLWorkbench File Edit View Arrange Model Database Tools Scripting Help
Tue Apr 12 8:36 PM
ITP303_Assignment3_carlosr5.mwb - MySQL Workbench
itpwebdev
MySQL Model
EER Diagram
Search
Navigator
Catalog
Layers
User Types
chessdb
Tables
opening_moves
openings
openings_has_openi...
users
users_has_openings
Views
Routine Groups
Description
Properties
History
No Selection
users
id INT
name VARCHAR(45)
username VARCHAR(45)
password VARCHAR(64)
email VARCHAR(45)
school VARCHAR(45)
Indexes
users_has_openings
users_id INT
openings_id INT
Indexes
openings
id INT
name VARCHAR(45)
Indexes
openings_has_opening_moves
openings_id INT
opening_moves_id INT
Indexes
opening_moves
id INT
move_num INT
fen_str VARCHAR(90)
Indexes
1:1
1:n
1:1
Templates
timestamps
create_time, update_time
user
username, email, password, cr...
category
category_id, name
users_has_openings - Table
Name: users_has_openings
Schema: chessdb
Column
Datatype
PK
NN
UQ
B...
UN
ZF
AI
G
Default / Expression
openings_id
INT
Column details 'openings_opening_id'
Column Name:
Charset/Collation:
Default Charset
Default Collation
Comments:
Datatype:
INT
Default
Columns
Indexes
Foreign Keys
Triggers
Partitioning
Options
Inserts
Privileges
/Users/carlosramirez/Desktop/School Folders/ITP 303/ITP 303 Assigments/final project/ITP303_Assignment3_carlosr5.mwb saved.