User Manual

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December 3rd, 2023

Digital Hockey Trading Card System (DHTC)

Github - https://github.com/cjg5896/CMPSC431Project

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Motivation

The most devout sports fans have been collecting trading cards for years, but more recently they have become a hot commodity to acquire in hopes of receiving a high return on their original investment. However, we looked from the perspective of going back to those original roots with collecting your favorite players from your favorite teams with a modern twist.

The Digital Hockey Card Trading system (DHTC) allows you to collect, open packs, and trade with your friends in a digital environment. The same as you would in the real world. Our database has 5 different tiers of cards ranging from Tin, Bronze, Silver, Gold, and Platinum. You can level up your cards by collecting 5 of the same type of player to reach a higher level from 1 to 2 to 3. Begin collecting your cards and show them off to your friends.

This user manual will go over the necessary software to run the system, instructions on how to set up your system, and go over the various features within DHTC.

Essential System Environments

Here are the essential systems you will need to deploy our project

- PHP 8 -
  - Mac
    - Install using HomeBrew - https://www.geeksforgeeks.org/how-to-install-php-on-macos/
  - Windows
    - Install using xampp - https://www.apachefriends.org/index.html
- MySQL 8.2.0 - download here - https://dev.mysql.com/downloads/mysql/
- MySQL Workbench to view and create database – download here - https://dev.mysql.com/downloads/workbench/
- VS Code – download here - https://code.visualstudio.com/download
  - Extensions in VS Code
    - PHP Server
      - Mac – Once PHP is downloaded you should be good to serve the project
      - Window – Follow this guide on how to configure xampp to be able to serve project using PHP Server extension
        - https://www.youtube.com/watch?v=zT6QrGIfXaU&ab_channel=ProgrammingGuru
    - SQLTools
    - SQLTools MySQL/MariaDB/TiDB

Deploy Project Software

Here are the essential systems you will need to deploy our project

1. Start MySQL Server
   a. Mac
      i. System Settings -> MySQL -> Start MySQL Server
   b. Windows
      i. Open 'Run' Window by using Win key + R
      ii. Type 'services.msc'
      iii. Now search for MySQL service based on the version that is installed.
      iv. Click on 'start' the service option.
   c. If it asks to configure
      i. Username: root
      ii. Password: password
      iii. Port: 3306
      iv. Server: localhost
      v. Other config settings are in the settings.json file under .vscode folder
2. Create Database (if not created)
   a. Open MySQL Workbench
   b. Select your local instance of MySQL
   c. Click on the create schema button
   d. Name the schema "DHTC"
3. Open VS Code and clone our repository from GitHub.
4. Open SQLTools
   a. Click add database button
   b. Select MySQL and fill out required information as shown in step 1c or copy same config contents from settings.json file under .vscode folder
   c. Once saved, click on the small green plug and connect to the database

5. Open the SQL Folder
    a. Click on the "CreateTables.sql" file
        i. At the top you should see "Run on active connection", click this and allow SQLTools to run the queries on the active connection
    b. Click on the "InsertPacks.sql" file
        i. At the top you should see "Run on active connection", click this and allow SQLTools to run the queries on the active connection
    c. Click on the "InsertPlayerCards.sql" file
        i. At the top you should see "Run on active connection", click this and allow SQLTools to run the queries on the active connection
    d. Click on the "InsertTeams.sql" file
        i. At the top you should see "Run on active connection", click this and allow SQLTools to run the queries on the active connection
    e. Click on the "InsertPlaysFor.sql" file
        i. At the top you should see "Run on active connection", click this and allow SQLTools to run the queries on the active connection
    f. After these steps your database should be good to go
6. Open the "Views" folder
7. Click on Index.php
8. Right click in the code editor section and select "PHP Server: Serve project"
    a. This should open up chrome and come up with the DHTC login page
    b. Now you are all set, please look below for the functionality descriptions on how to use our application

Project Functionalities

Create Account

1. On the opening page, click "Register Here".
2. Enter email, name, and password, in the respective fields.
3. Click Register.

Log In

1. On the opening page, enter email and password credentials.
2. Click Login.

Log Out

1. Click on name in top right of the page.
2. Click logout button in the top right of the page.

Account Manager

1. Click on name in top right of the page.
2. Update respective fields in "Edit User Info" window.
3. Click "Update".

   * Note do not need password to edit info*

Delete User Account

1. Click on name in top right of the page.
2. Click "Delete" under "Delete Account?" window.

Collection

1. Click "Collection" on the dashboard or on the ribbon at the top of the page.
2. Views the collection with scroll feature.

Packs

1. Click "Card Packs" on the dashboard or "Packs" on the ribbon at the top of the page.

2. Click on the green price button of the pack you would like to buy. ("Insufficient Funds" is displayed when user does not have enough currency)
3. Opened card is displayed, click "Return" to go back to "Packs" page.

Card Leveling

1. Click on "Card Leveling" in top ribbon.
2. Select the card you would like to level up from dropdown in "Level up a card" window. (Card quantity greater than 5)
3. Click "Level Up".

Firepit

1. Click on "Fire Pit" in dashboard or "Firepit" in the top ribbon.
2. Choose a card from dropdown menu you would like to discard. (Currency added = Card Value times the Card Level)
3. Click "Burn".

Friends

1. Click on "Friends" in dashboard or in the top ribbon.

Friend a User

1. Select friend you would like to become friends with from drop down menu.
2. Click "Friend".

Unfriend a User

1. Select friend you would like to unfriend from drop down menu.
2. Click "Unfriend".

Trades

1. Click on "Friends" in dashboard or in the top ribbon.
2. Choose a user you would like to trade with, from drop down menu "Trade a User". (*Must be friend to trade with other user*)
3. Click "Trade".
4. Choose card from "Your Cards" drop down that you would like to trade.

5. Choose card from "*Other_User* Cards" drop down that you would like to trade for.
6. Click "Trade" to complete the trade.

Trade History

1. Click on "Friends" in the dashboard or in the top ribbon.
2. Choose sort by option you would like to view your cards in the "Trade History" window.
3. View Trade History window.

Conclusion

The Digital Hockey Trading Card system (DHTC) is intended to be used as a fun way to collect and trade cards with your friends, digitally, with keeping that old school feel. By limiting the current database of players to only the top 50 active players in points, future improvements could be made to expand the number of players, levels, and types of cards. However, you still get the chance to collect the top players in the NHL and show them off to your friends.