

Dominic Uson

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24/SP-COP-2939-86403 Computer Programming Capstone

NHL Statistics App Documentation

Introduction

Overview

The NHL Statistics App is a software application designed to provide users with comprehensive statistics and information about NHL teams and players.

Purpose

The app aims to offer hockey fans and enthusiasts a convenient platform to access and analyze data related to their favorite NHL teams and players.

Target Audience

- NHL fans
- Sports analysts
- Fantasy hockey players
- Anyone interested in hockey statistics and analytics

Installation

Before installing the NHL Statistics App, ensure you have the following prerequisites installed:

- Python 3.x
- Pip (python package installer)

Dependencies Required

- PyQt5
- requests
- requests_cache
- sys
- pyodbc
- bcrypt
- aiohttp
- asyncio
- unittest

Installation Steps

1. Clone the GitHub repository to your local machine
2. Navigate to the project directory
3. Create and activate a virtual environment (optional but recommended)

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4. Install the required dependencies using pip

Getting Started

Instructions for launching the app

1. Ensure you have Python3.x installed on your system
2. Clone the GitHub repository to your local machine

Not yet available on github but when it is available this will be updated with instructions on how to clone the repository to your system.

Overview of Main Screens/Pages

Home Screen

The Home Screen serves as the main dashboard of the app and will contain the top 3 players in the NHL based on points and the top 3 teams based on points. The home screen will allow you to open the Players and Team statistics pages.

Team Statistics Page

This page holds all the teams and their statistics in a table that you are able to sort by wins.

Player Statistics Page

The player statistics page holds all of the players and their statistics in a table style where the user is able to sort by points, goals and assists.

Login and Registration

The login and registration pages allow the user to register a new account or login to an existing account if they have registered previously.

Login and Registration Instructions

Logging In

If you already have an account you will need to enter your username and password, and it will log you in, and place you at the home screen.

Registration

If you are a new user click the register here button, and it will lead you to the registration page where you will enter a username, email and password.

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