

[View Source](#)

Preferences

class StorePreferencesPost:

[View Source](#)

This class will update or store user preferences from the form displayed on the preferences.html page.

StorePreferencesPost(dictionary, user)

[View Source](#)

This is the constructor for the class. There are several global variables: self. user = user that is logged into the website

self.dictionary = the dictionary that represents the preferences that is passed to the class

Values from dictionary: self.temp - Temperature unit preferred

self.timeframe - Hourly or Daily option preferred

self.provider - Service provider preferred

self.munit - Unit of Measurement

self.datatype - Preferred type of weather data - Weather observations, prior forecast, or forecast

self.client - client to connect to MongoDB

self.db - database in MongoDB

self.collection - Collection with database in MongoDB

Args:

dictionary - Dictionary of user preferences from the POST request

user- the active user logged into the website at the time

def storemongo(self):

[View Source](#)

This class will store the user's preferences in MongoDB if they have not set preferences yet with the active username.

def updatemongo(self):

[View Source](#)

This class will update the user's preferences in MongoDB if previous preferences had been established with the active username

class Preferences:

[View Source](#)

This class is pulling user unit preferences. This class is mostly a utility class for updating the units in the WebpageMongo class to then display the correct unit for the user

Preferences(username)

[View Source](#)

This is the construct for the class. There are several global variables.

self.username - the active user in the website

self.preferences - the dictionary of the user's preferences

Values from dictionary:

self.TempUnit - Temperare unit preferred

self.serviceprovider - Service provider preferred

self.MUnit - Unit of Measurement

selt.HRorDAY - Hourly or Daily option preferred

self.datatype - Preferred type of weather data - Weather observations, prior forecast, or forecast

Args:

username: the active user logged into the website

def pullFromMongo(self):

[View Source](#)

This method retrieves preference data from MongoDB and updated the self.preferences variable

def Temp(self):

[View Source](#)

This method converts the indicated temperature unit preference into a specific string.

Returns:

The returned value is the key to a value in MongDB

def UnitT(self):[View Source](#)

This method converts the indicated temperature unit preference into a temperature symbol.

Returns:

Preferred unit symbol for temperature as string

def UnitP(self):[View Source](#)

This method returns the indicated precipitation accumulation unit preference.

Returns:

Preferred unit of measurement

def MinTemp(self):[View Source](#)

This method converts the indicated temperature unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def MaxTemp(self):[View Source](#)

This method converts the indicated temperature unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def HighTemp(self):[View Source](#)

This method converts the indicated temperature unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def LowTemp(self):[View Source](#)

This method converts the indicated temperature unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def Rainunit(self):

[View Source](#)

This method converts the indicated precipitation accumulation unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def Snowunit(self):

[View Source](#)

This method converts the indicated precipitation accumulation unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB

def Precipunit(self):

[View Source](#)

This method converts the indicated precipitation accumulation unit preference into a specific string.

Returns:

The returned value is the key to a value in MongoDB