

EECS 448 Project

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Contents

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Form	
app.forms.DateField	??
app.forms.LoginForm	??

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

app.forms.DateField	Form which validates a string is in date format, mm/dd/yyyy or mm-dd-yyyy	??
app.forms.LoginForm	Form which requires user credentials to submit	??

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

__init__.py	Decouples app instantiation and configuration from use	??
forms.py	Defines custom forms for server-side validation	??

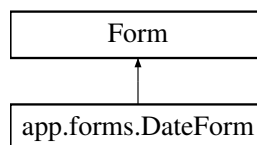
Chapter 4

Class Documentation

4.1 app.forms.DateField Class Reference

Form which validates a string is in date format, mm/dd/yyyy or mm-dd-yyyy.

Inheritance diagram for app.forms.DateField:



Static Public Attributes

- **date** = StringField('date', validators=[Required(), Regexp(dateRegx, message='Please enter a date of the form mm/dd/yyyy')])

4.1.1 Detailed Description

Form which validates a string is in date format, mm/dd/yyyy or mm-dd-yyyy.

[DateForm](#) enforces the presence of a date string, delimited by dashes or slashes. The parent class `Form` defines the interface to flask. The date variable below defines the field in the form, and provides a regular expression to validate input with.

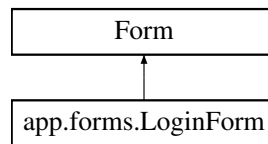
The documentation for this class was generated from the following file:

- [forms.py](#)

4.2 app.forms.LoginForm Class Reference

Form which requires user credentials to submit.

Inheritance diagram for app.forms.LoginForm:



4.2.1 Detailed Description

Form which requires user credentials to submit.

[LoginForm](#) enforces the presence of both a username and a password. The parent class `Form` defines the interface to flask. The variables below define fields in the form, and how they are validated.

The documentation for this class was generated from the following file:

- [forms.py](#)

Chapter 5

File Documentation

5.1 `__init__.py` File Reference

Decouples app instantiation and configuration from use.

Variables

- `app.app = Flask(__name__)`
- `app.secret_key`

5.1.1 Detailed Description

Decouples app instantiation and configuration from use.

Author

Stephen Longofono This module exists to decouple the Flask app object and its configuration from the views and other pieces of the project. It should not be run directly; it will be called by 'run.py' when it has finished running its setup steps.

5.2 `forms.py` File Reference

Defines custom forms for server-side validation.

Classes

- class `app.forms.LoginForm`
Form which requires user credentials to submit.
- class `app.forms.DateField`
Form which validates a string is in date format, mm/dd/yyyy or mm-dd-yyyy.

Variables

- string **app.forms.yearRegx** = '(19|20)\d\d'
- string **app.forms.monthRegx** = '(0[1-9]|1[012])'
- string **app.forms.dayRegx** = '(0[1-9]|12)[0-9]|3[01]'
- string **app.forms.delimRegx** = '[-/]'
- string **app.forms.dateRegx** = '^'
- **app.forms.uname** = StringField('uname', validators=[Required()], message='Please enter your username')
- **app.forms.pword** = StringField('pword', validators=[Required()], message='Please enter your password')

5.2.1 Detailed Description

Defines custom forms for server-side validation.

Author

Stephen Longofono This module defines a number of custom forms used for accepting and filtering input on the server side portion of our project. Specifically, we use it to gather login information and to verify that a date is of the valid form.

The regular expression was built with help from a 2016 tutorial by Jan Goyvaerts Accessed September 2016
<https://www.regular-expressions.info/dates.html>