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#!/usr/bin/python
# -*- coding: UTF-8 -*-
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#
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'''The module provides the Mod_Python graphical user interface for the software.

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'''
import controller
from cgi import escape
from urllib import urlopen
from cStringIO import StringIO

def firstPage(name, nameError, email, emailError, fileDiskError, fileUrl, fileUrlError):
    '''Gets the form page of the interface as an HTML string.'''

    return """<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="fi" >
<head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8" />
<link href="style.css" rel="StyleSheet" type="text/css" />
<script src="jquery-1.5.2.min.js" type="text/javascript"></script>
<script src="file_input_changer.js" type="text/javascript"></script>
<title>Tietokone ja tietoverkot työväliseenä - Harkkapoliisi</title>
</head>
<body id="main">
<h1>Tietokone ja tietoverkot työväliseenä - Harkkapoliisi</h1>
<p>Päivitetty 21.6.2011 klo 17:37</p>
<form action="" method="post" enctype="multipart/form-data">
<fieldset>
<legend>Harjoitustyön tiedot</legend>
<p class="evenTextBox">
<label for="name">Tekijän nimi:</label>
<input type="text" id="name" name="name" size="50" value="%s"/>
<span class="error">%s</span>
</p>
<p class="evenTextBox">
<label for="email">Sähköposti:</label>
<input type="text" id="email" name="email" size="50" value="%s"/>
<span class="error">%s</span>
</p>
<p>Tiedoston lataus:</p>
<p class="evenFileInput">
<input id="radioDisk" type="radio" value="file" name="fileInputSelection" checked="checked"/>
<label for="radioDisk">Levyttä:</label>
<input class="" type="file" id="filerequest" name="filerequest" />
<span class="error">%s</span>
</p>
<p class="evenFileInput" >
<input id="radioUrl" type="radio" value="url" name="fileInputSelection"/>
<label for="radioUrl">URL:</label>
<input class="hidden" type="text" id="fileUrl" name="fileUrl" size="50" value="%s" />
<span class="error">%s</span>
</p>
<p class="evenInput">
<input type="submit" id="submitButton" name="submitButton" value="Tarkasta!" />
'''
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        </p>
        <p id="loading" class="hidden">Tarkastetaan...
        
        </p>
    </fieldset>
</form>
</body>
</html>
""" % (name, nameError, email, emailError, fileDiskError, fileUrl, fileUrlError)

def feedBackPage(feedback, name, email):
    '''Gets the feedback page of the interface.'''

    page = """<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd"
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="fi">
<head>
    <meta http-equiv="content-type" content="text/html; charset=UTF-8" />
    <link href="style.css" rel="StyleSheet" type="text/css" />
    <script src="jquery-1.5.2.min.js" type="text/javascript"></script>
    <script src="feedbackpage.js" type="text/javascript"></script>
    <title>Tietokone ja tietoverkot työväliseenä - Harkkapoliisi</title>
</head>
<body>
    <h1>Tietokone ja tietoverkot työväliseenä - Harkkapoliisi</h1>
    <p>
        Nimi: %s <input type="hidden" id="name" value="%s" />
    </p>
    <p>
        Sähköposti: %s <input type="button" id="sendToEmailButton" name="" value="Lähetä palaute myös sähköpostiin" /> <in
    </p>
    <p>Tarkastettu: <span id="date"></span></p>
""" % (name, nameError, email, email)

    for msg in feedback:
        page += msg

    page += """
</body>
</html>
"""

    return page

def index(req):
    req.content_type = "text/html"
    form = req.form
    feedback = []
    name = form.getfirst("name")
    email = form.getfirst("email")
    sent = form.getfirst("submitButton")
    fileUrl = form.getfirst("fileUrl")
    radioValue = form.getfirst("fileInputSelection")
    #feedback.append(name)

    if sent:
        #feedback.append("Nimi: " + name)
        #feedback.append("Sähköpostiosoite: " + email)
        nameError = ""
        emailError = ""
        goForward = True

        if name == "" or name == None:
            nameError = "* Pakollinen kenttä!"
            goForward = False
        if email == "" or email == None:
            emailError = "* Pakollinen kenttä!"
            goForward = False
        if goForward:
            tmpfile = None
            if radioValue.value == "file":
                tmpfile = req.form['filerequest']

            if tmpfile.filename == "":
                inputError = "* Tiedostoa ei löytynyt!"
                return firstPage(escape(name), nameError, escape(email), emailError, inputError, escape(fileUrl), "")
                controller.beginInspection(tmpfile.file, tmpfile.filename, feedback, email)

            elif radioValue.value == "url":
                try:
                    tmpfile = urlopen(fileUrl)
                    controller.beginInspection(StringIO(tmpfile.read()), fileUrl, feedback, email)
                except IOError:
                    inputError = "* Url-osoite oli väärin!"

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        return firstPage(escape(name), nameError, escape(email), emailError, "", escape(fileUrl), inputError)
    #else: then what?

    return feedBackPage(feedback, escape(name), escape(email))

else:
    sent = None
    return firstPage(escape(name), nameError, escape(email), emailError, "", escape(fileUrl), "")
return firstPage("", "", "", "", "", "http://", "")
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