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Факультет «Информатика и системы управления»

Кафедра «Системы обработки информации и управления»



**Отчет по ЛР №5  
“Разработка интернет-приложений”**

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**Москва 2017**

Задача ЛР

Изучение HTML, шаблонизации, Django, Bootstrap.

Исходный код

|  |  |
| --- | --- |
| def application(environ, start\_response): | |
|  | """Simplest possible application object""" |
|  | status = '200 OK' |
|  | response\_headers = [('Content-type', 'text/plain')] |
|  | start\_response(status, response\_headers) |
|  | return ['Hello world!\n'] |
|  |  |
|  | def simple\_app(environ, start\_response): |
|  | f=open("/home/chapay/TechPark/Web/ask\_kbritikov/templates/Base.html") |
|  | text=f.read() |
|  | data = bytes(text, 'utf-8') |
|  | start\_response("200 OK", [ |
|  | ("Content-Type", "text/plain"), |
|  | ("Content-Length", str(len(data))) |
|  | ]) |
|  | return iter([data]) |
|  |  |
|  |  |
|  | class AppClass: |
|  | """Produce the same output, but using a class |
|  |  |
|  | (Note: 'AppClass' is the "application" here, so calling it |
|  | returns an instance of 'AppClass', which is then the iterable |
|  | return value of the "application callable" as required by |
|  | the spec. |
|  |  |
|  | If we wanted to use \*instances\* of 'AppClass' as application |
|  | objects instead, we would have to implement a '\_\_call\_\_' |
|  | method, which would be invoked to execute the application, |
|  | and we would need to create an instance for use by the |
|  | server or gateway. |
|  | """ |
|  |  |
|  | def \_\_init\_\_(self, environ, start\_response): |
|  | self.environ = environ |
|  | self.start = start\_response |
|  |  |
|  | def \_\_iter\_\_(self): |
|  | status = '200 OK' |
|  | response\_headers = [('Content-type', 'text/plain')] |
|  | self.start(status, response\_headers) |
|  | yield( "Hello world!\n") |

|  |  |
| --- | --- |
| {% extends "Base.html" %} | |
|  |  |
|  |  |
|  | {% block head %}my block {% endblock %} |
|  |  |
|  |  |
|  | {% block content%} |
|  | <div class="col-sm-9" > |
|  | {% for i in data%} |
|  | <div class="col-sm-10 " > |
|  | <div class="col-sm-12 " style="display: inline"> |
|  | <div class="col-sm-2 " style="align-content: center"> |
|  | <img class="img-rounded" style="border:black;margin-top:15%;width:100%;height: 100%;" src="https://openclipart.org/image/800px/svg\_to\_png/250467/Psychedelic-Chromatic-Disco-Ball.png"> |
|  | <span class="badge" style="margin-left: 15%" href="#vasyan">{{ i.nickname }}</span> |
|  | </div> |
|  | <div class="col-sm-10"> |
|  | <h2>{{ i.qheader }}</h2> |
|  | <p>{{ i.qtext }} </p> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="form-inline"> |
|  | <button type="button" class="btn btn-default" aria-label="Left Align"> |
|  | <span class="glyphicon glyphicon-arrow-up glyphicon-align-left" aria-hidden="true"></span> |
|  | </button> |
|  | <span class="label label-default">{{ i.likes }}</span> |
|  | <button type="button" class="btn btn-default" aria-label="Left Align"> |
|  | <span class="glyphicon glyphicon-arrow-down glyphicon-align-left" aria-hidden="true"></span> |
|  | </button> |
|  |  |
|  | <a href="#" >Answer(2)</a> |
|  | <a style="margin-left: 10px; color: black">Tags:</a> |
|  | <a href="#">Some</a> |
|  | <a style="color: black">,</a> |
|  | <a href="#">One more</a> |
|  |  |
|  | <a class="btn btn-default" href="Discussion.html" style="float: right" role="button">View details &raquo;</a> |
|  | </div> |
|  |  |
|  | </div> |
|  | {%endfor%} |
|  | </div> |
|  | <div class="pagination"> |
|  | <span class="step-links"> |
|  | {% if data.has\_previous %} |
|  | <!-- <button class="btn btn-success" href="?page={{ data.previous\_page\_number }}"> --><a href="?page={{ data.previous\_page\_number }}">previous</a><!-- </button> --> |
|  | {% endif %} |
|  |  |
|  | {% if data.has\_previous or data.has\_next %} |
|  | <span class="current"> |
|  | Page {{ data.number }} of {{ data.paginator.num\_pages }} |
|  | </span> |
|  | {% endif %} |
|  |  |
|  | {% if data.has\_next %} |
|  | <!-- <button class="btn btn-success" href="?page={{ data.next\_page\_number }}"> --><a href="?page={{ data.next\_page\_number }}">next</a><!-- </button> --> |
|  | {% endif %} |
|  | </span> |
|  | </div> |
|  | {% endblock %} |

|  |  |
| --- | --- |
| <!DOCTYPE html> | |
|  | <html lang="en"> |
|  | <head> |
|  |  |
|  | <meta charset="utf-8"> |
|  | <meta http-equiv="X-UA-Compatible" content="IE=edge"> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1"> |
|  | <!-- The above 3 meta tags \*must\* come first in the head; any other head content must come \*after\* these tags --> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <link rel="icon" href="../static/favicon.ico"> |
|  |  |
|  | <title>Off Canvas Template for Bootstrap</title> |
|  |  |
|  | <!-- Bootstrap core CSS --> |
|  | <link href="/css/bootstrap.min.css" rel="stylesheet"> |
|  | <style> |
|  | ul.hr { |
|  | margin: 0; /\* Обнуляем значение отступов \*/ |
|  | padding: 4px; /\* Значение полей \*/ |
|  |  |
|  | } |
|  | ul.hr li { |
|  |  |
|  | display: inline; /\* Отображать как строчный элемент \*/ |
|  | margin-right: 5px; /\* Отступ слева \*/ |
|  | border: 1px; /\* Рамка вокруг текста \*/ |
|  | padding: 3px; /\* Поля вокруг текста \*/ |
|  | } |
|  |  |
|  | ul.tb li { |
|  |  |
|  | display: inline; /\* Отображать как строчный элемент \*/ |
|  | margin-right: 5px; /\* Отступ слева \*/ |
|  | padding: 3px; /\* Поля вокруг текста \*/ |
|  | } |
|  | {% block head %}{% endblock %} |
|  | {# div.fr {#} |
|  | {# border:2px;#} |
|  | {# border-color: black;#} |
|  | {# }#} |
|  | </style> |
|  |  |
|  | <!--&lt;!&ndash; &lt;!&ndash; IE10 viewport hack for Surface/desktop Windows 8 bug &ndash;&gt;--> |
|  | <!--<link href="../../assets/css/ie10-viewport-bug-workaround.css" rel="stylesheet">--> |
|  |  |
|  | <!--&lt;!&ndash; Custom styles for this template &ndash;&gt;--> |
|  | <!--<link href="offcanvas.css" rel="stylesheet">--> |
|  |  |
|  | <!--&lt;!&ndash; Just for debugging purposes. Don't actually copy these 2 lines! &ndash;&gt;--> |
|  | <!--&lt;!&ndash;[if lt IE 9]><!--script src="../../assets/js/ie8-responsive-file-warning.js"></script><![endif]&ndash;&gt;--> |
|  | <!--<script src="../../assets/js/ie-emulation-modes-warning.js"></script>--> |
|  |  |
|  | <!--&lt;!&ndash; HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries &ndash;&gt;--> |
|  | <!--&lt;!&ndash;[if lt IE 9]>--> |
|  | <!--<script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>--> |
|  | <!--<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>&ndash;&gt;--> |
|  | <![endif]--> |
|  | </head> |
|  |  |
|  | <body> |
|  |  |
|  | <nav class="navbar navbar-fixed-top navbar-inverse" style="color:#b9def0;height: 70px;"> |
|  | <div class="container" style="color:#b9def0" > |
|  | <div class="navbar-header" style="color:#b9def0" > |
|  | <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" style="color:#b9def0" data-target="#navbar" aria-expanded="false" aria-controls="navbar"> |
|  | <span class="sr-only">Toggle navigation</span> |
|  | <span class="icon-bar"></span> |
|  | <span class="icon-bar"></span> |
|  | <span class="icon-bar"></span> |
|  | </button> |
|  | <a class="navbar-brand" href="MainPage.html">PolitForum</a> |
|  | </div> |
|  |  |
|  | <div id="navbar" class=" navbar-collapse collapse " > |
|  | <form class=" navbar-right"> |
|  | <a href="" style="margin-right: 50px "> |
|  | <img src="https://upload.wikimedia.org/wikipedia/commons/thumb/5/58/CheHigh.jpg/267px-CheHigh.jpg" hspace="10" height="30px" width="30px" > |
|  | </a> |
|  | <form class="navbar-form"> |
|  | <a href="" style="margin-top:5px;margin-right: 50px; color: whitesmoke ;align-content: center"> |
|  | CheGevara |
|  | </a> |
|  | <ul class=" hr" > |
|  | <li ><a style="color: whitesmoke;" href="#settings">Settings</a></li> |
|  | <li><a style="color: whitesmoke;" href="#log\_out">Log Out</a></li> |
|  | <li><a style="color: whitesmoke;" href="#contact">Contact</a></li> |
|  | </ul> |
|  | </form> |
|  |  |
|  | </form> |
|  | <form class="navbar-form"> |
|  |  |
|  | <div class="form-group"> |
|  | <input type="text" class="form-control" placeholder="Search..."> |
|  | </div> |
|  |  |
|  | <button type="submit" class="btn btn-success btn-group" > |
|  | Find |
|  | </button> |
|  | </form> |
|  | </div><!-- /.nav-collapse --> |
|  | </div><!-- /.container --> |
|  | </nav><!-- /.navbar --> |
|  |  |
|  |  |
|  |  |
|  | <div class="col-xs-6 col-sm-3 sidebar-offcanvas" style="float:right; margin-top: 80px" id="sidebar"> |
|  | <h4 href="#" style="border:none" class="list-group-item">Top Tags:</h4> |
|  | <div class="list-group"> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | </div> |
|  | <h4 href="#" style="border:none" class="list-group-item">Top Users:</h4> |
|  | <div class="list-group"> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | <a href="#" class="list-group-item">Link</a> |
|  | </div> |
|  | </div><!--/.sidebar-offcanvas--> |
|  | </div><!--/row--> |
|  |  |
|  | {%block content%} |
|  |  |
|  | {%endblock%} |
|  |  |
|  |  |
|  | <hr class="col-sm-12"> |
|  | <footer class="container col-sm-12"> |
|  | <p>&copy; 2017 Kostyan Company, Inc.</p> |
|  | </footer> |
|  |  |
|  |  |
|  |  |
|  | </body> |
|  |  |
|  | <!-- Bootstrap core JavaScript |
|  | ================================================== --> |
|  | <!-- Placed at the end of the document so the pages load faster --> |
|  | <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script> |
|  |  |
|  | <script src="/js/bootstrap.min.js"></script> |
|  | <!-- IE10 viewport hack for Surface/desktop Windows 8 bug --> |
|  | <script src="/js/ie10-viewport-bug-workaround.js"></script> |
|  | <script src="/js/offcanvas.js"></script> |
|  |  |
|  | </body> |
|  | </html> |

|  |  |
| --- | --- |
| # -\*- coding: utf-8 -\*- | |
|  | from \_\_future\_\_ import unicode\_literals |
|  |  |
|  | from django.shortcuts import render |
|  | from django.core.paginator import Paginator, EmptyPage, PageNotAnInteger |
|  |  |
|  | class Data: |
|  | def generate(count): |
|  | data = [] |
|  | for i in range(1, count): |
|  | data.append( |
|  | { |
|  | 'nickname': 'name' + str(i), |
|  | 'qheader': 'Head' + str(i), |
|  | 'qtext': 'Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.', |
|  | 'likes': i, |
|  | } |
|  | ) |
|  | return data |
|  |  |
|  | class PaginatorClass(): |
|  | @staticmethod |
|  | def paginate(data, page): |
|  | paginator = Paginator(data, 10) |
|  | try: |
|  | return paginator.page(page) |
|  | except PageNotAnInteger: |
|  | return paginator.page(1) |
|  | except EmptyPage: |
|  | return paginator.page(paginator.num\_pages) |
|  |  |
|  | # Create your views here. |
|  | def Auth(request): |
|  | return render(request, 'Auth.html', {}) |
|  |  |
|  | def MainPage(request): |
|  | page = request.GET.get('page') |
|  | data = Data.generate(500) |
|  | dat = PaginatorClass.paginate(data, page) |
|  | # on\_page=pages.page(pagenum).object\_list |
|  | return render(request, 'MainPage.html', {'data': dat,}) |
|  |  |
|  |  |
|  | def Tagged(request): |
|  | return render(request,'tagged.html', {}) |
|  | def auth(request): |
|  | return render(request,'auth.html', locals()) |
|  | def Debate(request): |
|  | return render(request,'Debate.html', locals()) |
|  | def Discussion(request): |
|  | return render(request,'Discussion.html', locals()) |
|  | def Registration(request): |
|  | return render(request,'registration.html', locals()) |
|  | def Settings(request): |
|  | return render(request, 'Settings.html', locals()) |
|  | def Hot(request): |
|  | return render(request, 'hot.html', {'data' : Data.generate(50)}) |
|  |  |