STYRIA

STYRIA HRVATSKA

NAJVEĆA MEDIJSKA KUĆA
U HRVATSKOJ

ONE SPIRIT,
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(STYRIA

STYRIA MEDIA GROUP AG

OSNOVANA
1869.

2800+
ZAPOSLENIKA

(STYRIA

STYRIA HRVATSKA

PRISUTNA OD
2001.

900+
ZAPOSLENIKA

2,3 mil.
KORISNIKA

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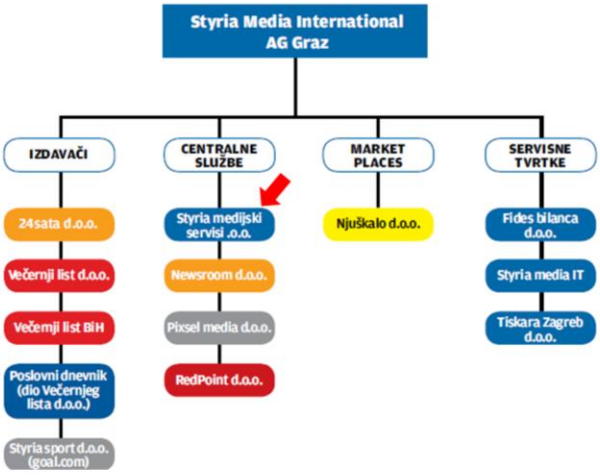
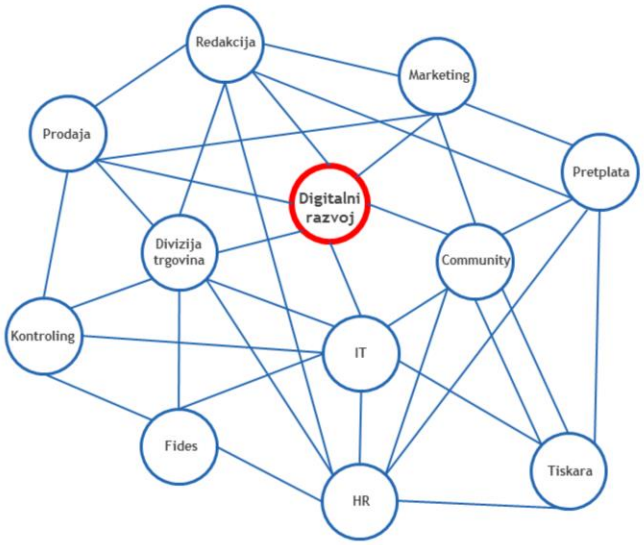
Organizacijska STRUKTURA



ODJELI


Redakcija
Marketing
Prodaja
Pretplata
Digitalni razvoj
Divizija trgovina
Community
Kontroling
IT
Fides
Tiskara
HR

DIGITALNI RAZVOJ

33 zaposlenika i studenata

Back end x 12

Mobile x 2

Front end x 5

Traffic x 3

Project manager x 4

Dizajn x 3

OH x 4

STYRIA I STUDENTI

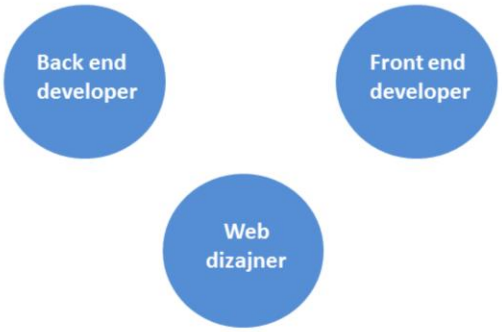
STYRIA:SCOOL
akademija

ISKUSTVO
ZLATA VRIJEDI

HRVATSKA PAMET HRVATSKOJ

PRAKSE & STUDENTSKI POSLOVI

DIGITALNI RAZVOJ I STUDENTI



Prijaviti se možeš na ljudski_potencijali@styria.hr

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DJANGO GIRL U ZEMLJI VELIKIH WEB ČUDESA

Ines Jelovac

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STYRIA U MJESEC DANA

24 sata
- 1.500.000 jedinstvenih korisnika
- 36,451,358 posjeta
- **147.000 000** pregledanih stranica

Večernji list
- 1.130.000 jedinstvenih korisnika
- 18,121,341 posjeta
- **60.000 000** pregledanih stranica

WEB PORTALI

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- Puno korisnika
- Updatei bez downtimea
- Koristimo vlastitu infrastrukturu
- Python
  - Jednostavan
  - Čitljiv
  - Dinamički tipiziran
  - Open source

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DJANGO WEB FRAMEWORK

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DJANGO

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- Web framework
- MVC (Model View Controller)
- DRY (Don’t repeat yourself) princip
- Odlična dokumentacija
- Disqus, Instagram, Pinterest, Mozilla

Django https://www.djangoproject.com/
Dokumentacija https://docs.djangoproject.com/en/1.9/

MODEL

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- Modeli sadrže domensku logiku
- ORM (Object-relational mapping)
  - PostgreSQL
  - MySQL
  - SQLite
  - Oracle
- SQL upiti
  - Piše se Python kod, upiti se sami generiraju
  - Lazy loading
- Migracije
- Django admin sučelje

05/05/2016 14

Modeli https://docs.djangoproject.com/en/1.9/topics/db/models/
Migracije https://docs.djangoproject.com/en/1.9/topics/migrations/
Migracije prije verzije 1.7 http://south.readthedocs.io/en/latest/tutorial/part1.html

MODEL

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```
class Presentation(models.Model):
    user = models.ForeignKey(settings.AUTH_USER_MODEL, verbose_name=_('User'))
    title = models.CharField(verbose_name=_('Title'), max_length=200)
    content = models.TextField(verbose_name=_('Content'))
    start_datetime = models.DateTimeField(verbose_name=_('Start time'))

    class Meta:
        verbose_name = _('Presentation')
        verbose_name_plural = _('Presentations')
```

```
admin.site.register(Presentation)
```

DJANGO ADMIN

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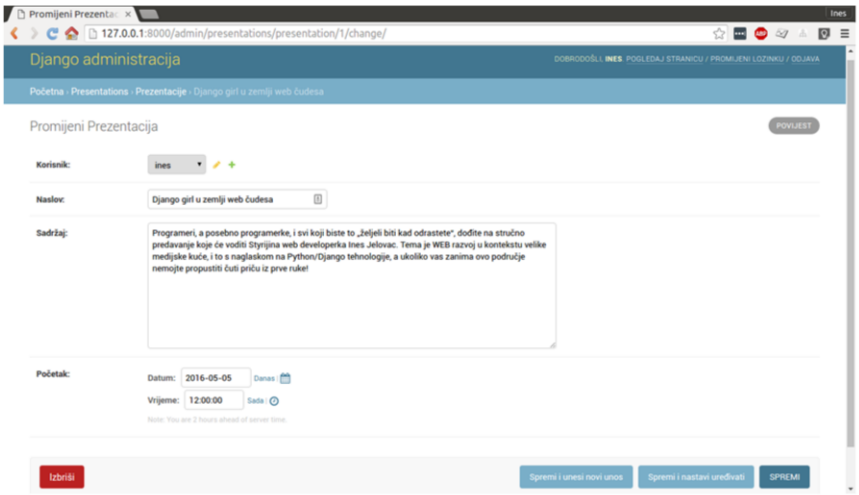

VIEW

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- Django ima vlastiti templating language
- Sintaksa je vrlo jednostavna
- Template tagovi i filteri
  - Sadrže logiku
  - Ugrađeni i proizvoljni
- Extend i include templatea
  - Kod se piše jednom, a koristi se više puta

Templatei https://docs.djangoproject.com/en/1.9/topics/templates/

VIEW

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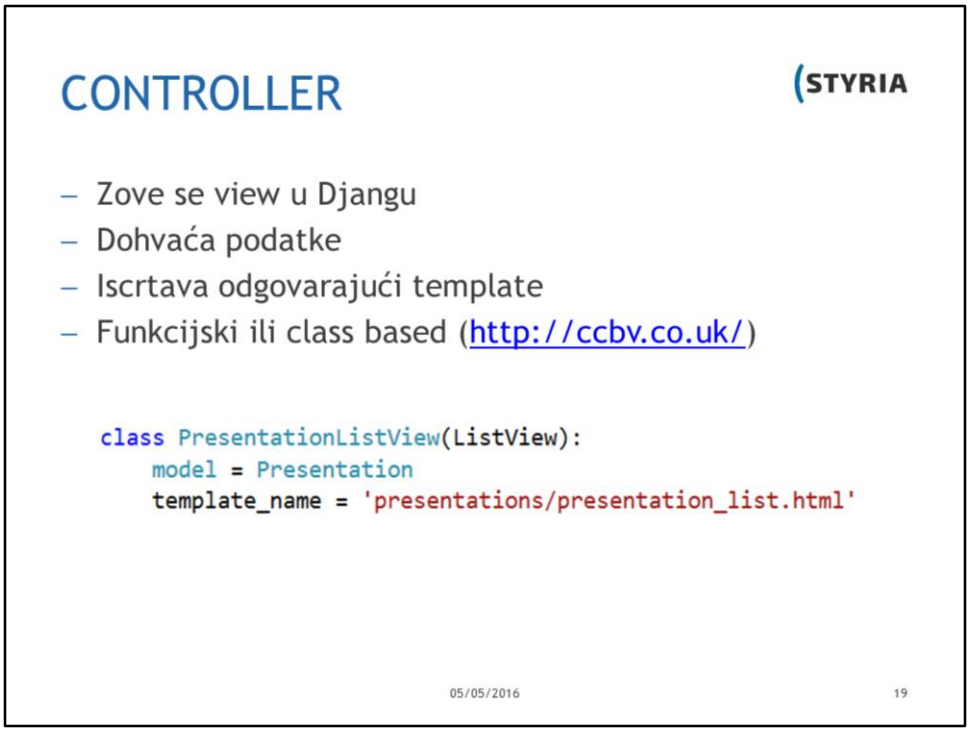
```
{% extends 'presentations/master.html' %}

{% block title %}Prezentacije{% endblock %}

{% block content %}
    <h1>Prezentacije</h1>
        <ul class="list-group">
            {% for presentation in object_list %}
                <li class="list-group-item">
                    {{ presentation.start_datetime|date:"l, d. E Y." }}
                    <a href="{{ presentation.get_url }}">
                        {{ presentation.title }}
                    </a>
                </li>
            {% empty %}
                <li class="list-group-item">Nema ni jedne! :(</li>
            {% endfor %}
        </ul>
{% endblock %}
```



https://docs.djangoproject.com/en/1.9/faq/general/#django-appears-to-be-a-mvc-framework-but-you-call-the-controller-the-view-and-the-view-the-template-how-come-you-don-t-use-the-standard-names

https://docs.djangoproject.com/en/1.9/topics/http/views/

UPRAVLJANJE KORISNICIMA

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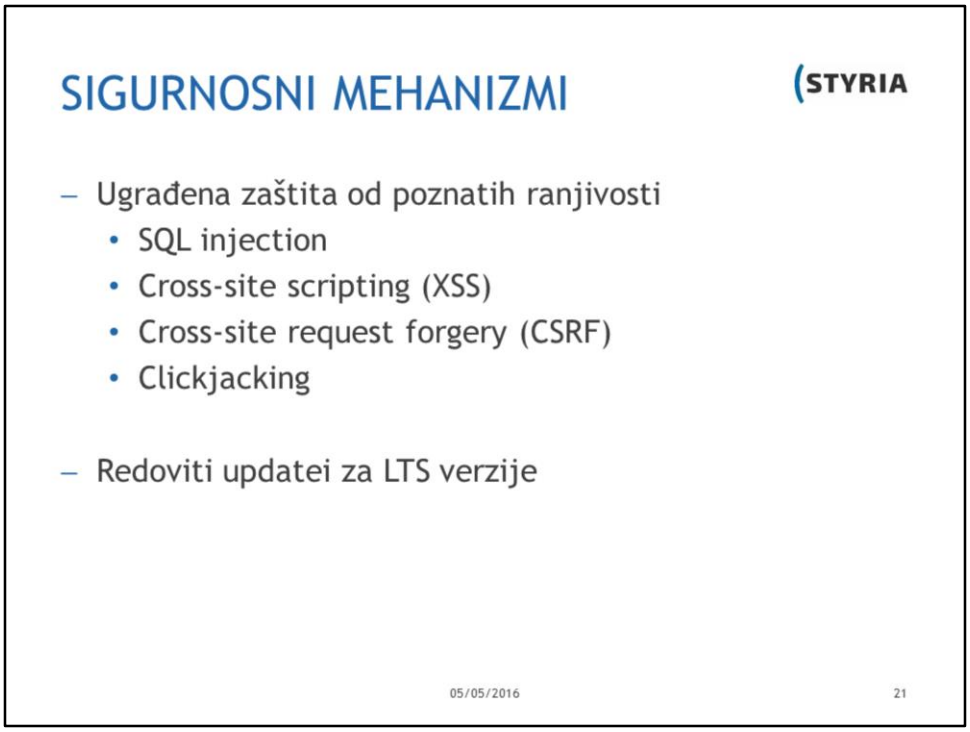
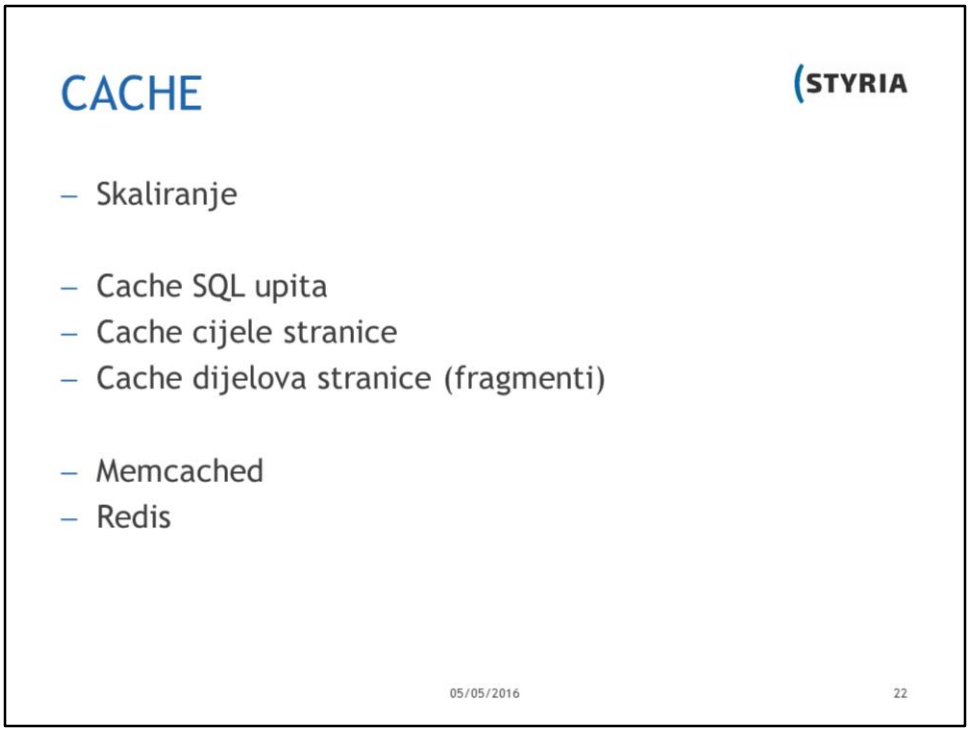
- Korisnički računi (User model)
  - Spremanje lozinki
- Ugrađena prijava i odjava korisnika
  - Kolačići i sjednice
- Jednostavno ograničavanje pristupa samo prijavljenim korisnicima

```
class PresentationDetailView(LoginRequiredMixin, DetailView):
    model = Presentation
    template_name = 'presentations/presentation_detail.html'
```


Korisnici https://docs.djangoproject.com/es/1.9/topics/auth/



SQL injection https://en.wikipedia.org/wiki/SQL_injection
XSS https://en.wikipedia.org/wiki/Cross-site_scripting
CSRF https://en.wikipedia.org/wiki/Cross-site_request_forgery
Clickjacking https://en.wikipedia.org/wiki/Clickjacking



https://docs.djangoproject.com/en/1.9/topics/cache/
https://memcached.org/
http://redis.io/

JOŠ SVAŠTA

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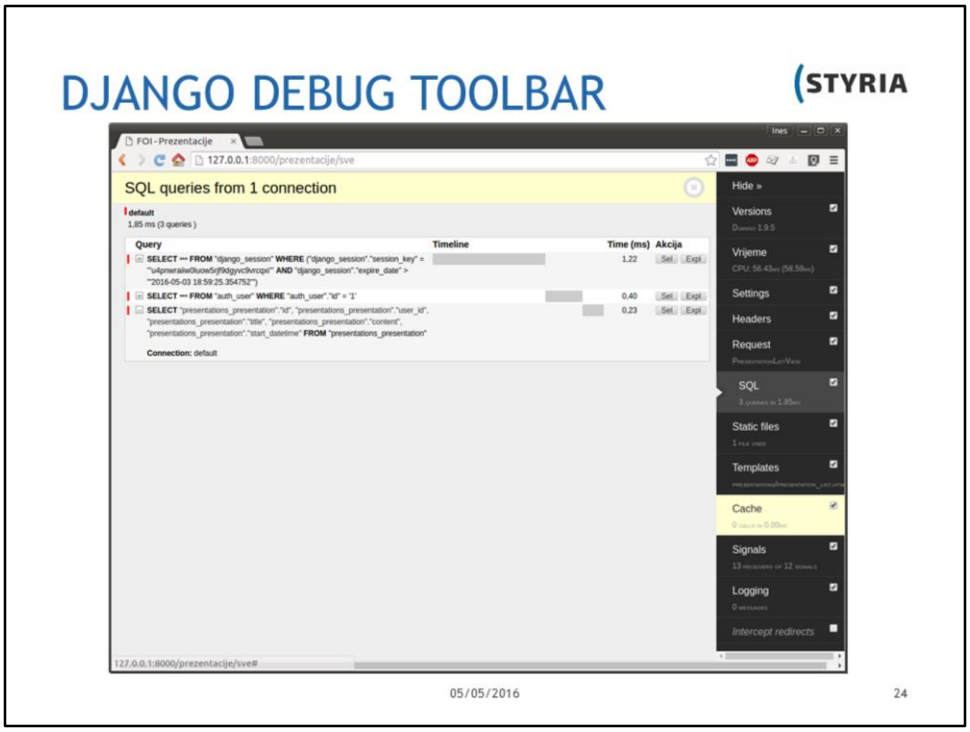
- Forme
  - Povezivanje s modelima
  - Validacija
- Internacionalizacija
  - Višejezičnost u istoj aplikaciji
  - Prijevodi
- Ugrađena podrška za pisanje testova



Django debug toolbar https://github.com/django-debug-toolbar/django-debug-toolbar/

SENTRY

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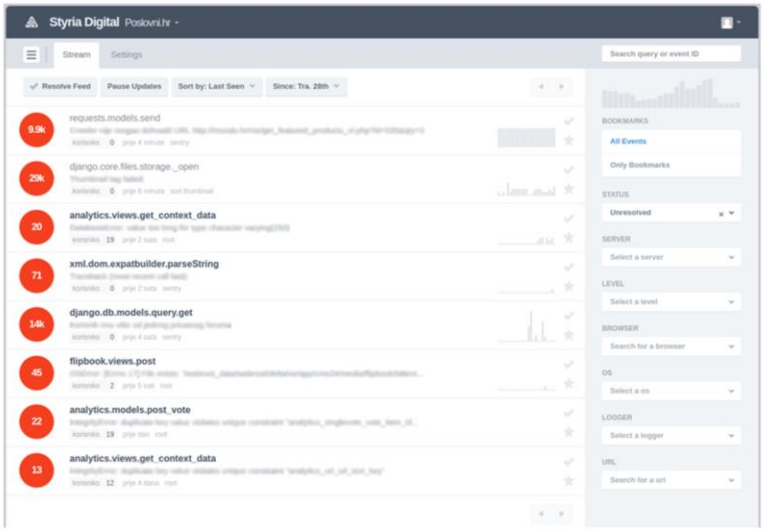

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Prezentacija i demo projekt na
https://github.com/Styria-Digital

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