

Izrada nastavnih materijala korištenjem modernih alata za uređivanje i prikaz web sadržaja

Darko Grabar

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Moodle 2005





Source: Brandl, K. (2005). Are you ready to "Moodle"? http://llt.msu.edu/vol9num2/pdf/review1.pdf

Moodle 2008



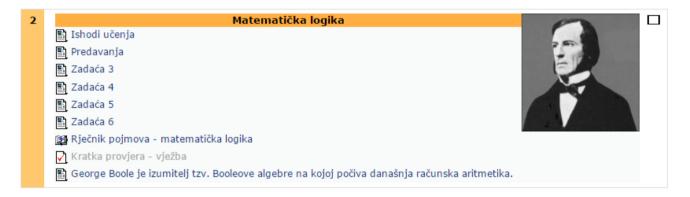
Uvod, matematički modeli, struktura matematike

Predavanja

Zadaća 1

Zadaća 2

Euklid je u 13 knjiga (Elementi) sistematizirao sva saznanja i otkrića antičke Grčke u geometriji, teoriji brojeva i algebri. Najzanimljiviji je njegov peti postulat na temelju kojeg je u 19. stoljeću nastala tzv. NEEUKLIDSKA geometrija.





Tipični e-kolegij



- Uvod
 - Forum
 - Osnovne informacije o predmetu
 - Ishodi učenja, model praćenja
- Nastavna cjelina 1...X
 - Forum
 - Nastavni materijali: pdf, ppt, video preko "Page", "Folder" resursa ili direktno na nastavnoj cjelini ("File")
 - Samoprocjena/Test
 - Zadaća
 - Rječnik

E-learning svijet je prigrlio HTML5



- Moodle 2.0 potpuno redizajnirane sustav za teme
- Moodle 2.5 Clean tema (bazirana na Bootstrap-u)
- Moodle 2.7 Clean i More jedine 2 standardne teme
- Puno priče o poboljšanjima u izgledu Moodle kolegija i dostupnosti na mobilnim uređajima
- Nedovoljan naglasak na novim mogućnostima izrade nastavnih materijala
 - Bootstrap
 - HTML5, CSS
 - jQuery/YUI

Moodle 2015



Topic 1

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rracijo citanje masseovog ujagrama zoteko epe dokumer



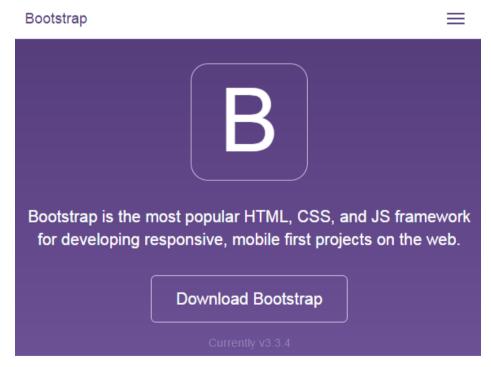




Bootstrap



- HTML, CSS, i JS razvojni okvir
- Namijenjen razvoju modernih, responzivnih web stranica
- Mobile First
- Open Source
- Kombinacija HTML-a, CSS-a i JavaScript-a



http://getbootstrap.com/

Bootstrap



Designed for everyone, everywhere.

Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes.

Sass {less}

Preprocessors

Bootstrap ships with vanilla CSS, but its source code utilizes the two most popular CSS preprocessors, Less and Sass. Quickly get started with precompiled CSS or build on the source.



One framework, every device.

Bootstrap easily and efficiently scales your websites and applications with a single code base, from phones to tablets to desktops with CSS media queries.



Full of features

With Bootstrap, you get extensive and beautiful documentation for common HTML elements, dozens of custom HTML and CSS components, and awesome ¡Query plugins.



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.col-.col-.col-.col-.col-.col-.col-.col-.col-.col-.col-.colmdmdmdmdmdmdmdmdmdmdmdmd-

.col-md-8		.col-md-4	
.col-md-4	.col-md-4		.col-md-4
.col-md-6		.col-md-6	

http://getbootstrap.com/

Bootstrap



Collapsible Group Item #1

Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid. 3 wolf moon officia aute, non cupidatat skateboard dolor brunch. Food truck quinoa nesciunt laborum eiusmod. Brunch 3 wolf moon tempor, sunt aliqua put a bird on it squid single-origin coffee nulla assumenda shoreditch et. Nihil anim keffiyeh helvetica, craft beer labore wes anderson cred nesciunt sapiente ea proident. Ad vegan excepteur butcher vice lomo. Leggings occaecat craft beer farm-to-table, raw denim aesthetic synth nesciunt you probably haven't heard of them accusamus labore sustainable VHS

Collapsible Group Item #2

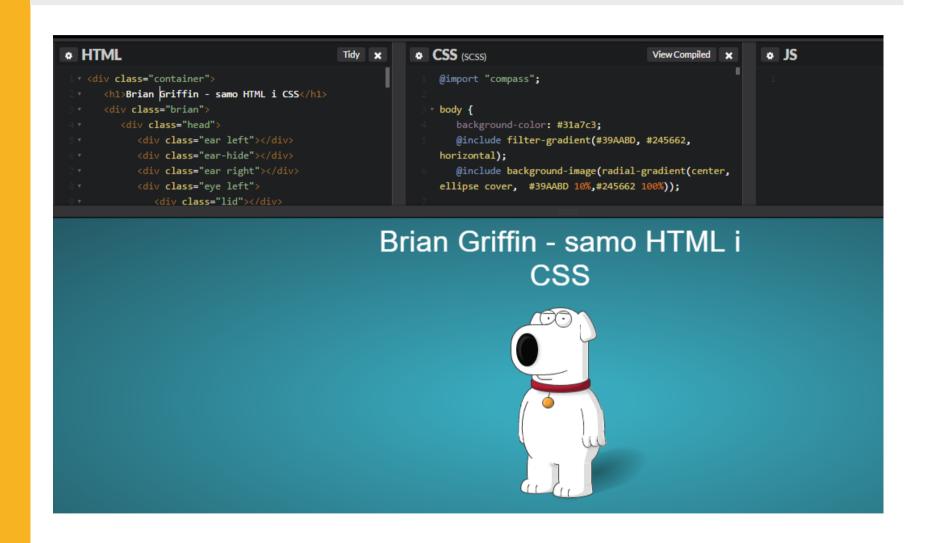
Collapsible Group Item #3

```
<div class="panel-group" id="accordion" role="tablist" aria-multiselectable="true">
 <div class="panel panel-default">
   <div class="panel-heading" role="tab" id="headingOne">
     <h4 class="panel-title">
       <a data-toggle="collapse" data-parent="#accordion" href="#collapseOne" aria-expanded="true" aria-controls="collapseOne">
         Collapsible Group Item #1
     </h4>
   </div>
   <div id="collapseOne" class="panel-collapse collapse in" role="tabpanel" aria-labelledby="headingOne">
     <div class="panel-body">
       Text...
     </div>
   </div>
 </div>
 <div class="panel panel-default">
   <div class="panel-heading" role="tab" id="headingTwo">
     <h4 class="panel-title">
       <a class="collapsed" data-toggle="collapse" data-parent="#accordion" href="#collapseTwo" aria-expanded="false" aria-controls="collapseTwo">
        Collapsible Group Item #2
       </a>
     </h4>
   <div id="collapseTwo" class="panel-collapse collapse" role="tabpanel" aria-labelledby="headingTwo">
     <div class="panel-body">
     </div>
   </div>
 </div>
```

http://getbootstrap.com/

Na leđima divova: HTML, JavaScript, CSS...





Statistika korištenja aktivnosti i resursa



• FOI, 18.10.2015

Datoteka	10547
Stranica	<u>2558</u>
Zadaća	<u>1809</u>
Natpis	<u>1571</u>
Forum	<u>1139</u>
Poveznica	974
Test	742
Odabir	<u>593</u>
Мара	<u>385</u>
Rječnik	142
Anketa	<u>113</u>
Prisutnost	<u>112</u>
Wiki	<u>109</u>
Knjiga	<u>70</u>
Odabir grupe	<u>38</u>
Radionica	<u>19</u>
SCORM paket	<u>18</u>

Moodle Stranica (Page)



Plan rada

Semestri: IV.

Izvedbeni program:

Sadržaj predmeta izvodi se u četvrtom semestru. Izvodi se 30 sati predavanja i 30 sati seminara.

Kompetencije koje se stječu ovim predmetom:

- razumijevanje financijskog okruženja poduzeća
- kompetencije koje su osnova za vođenje financija poduzeća
- sposobnost analize financijskih izvještaja poduzeća i ocjene poslovanja poduzeća
- sposobnost donošenja odluka o financiranju poduzeća

Predavanja se izvode uz primjenu suvremenih nastavnih pomagala (grafoskop, videoprojektor). Na seminarima se studentima omogućava raščiamba i svladavanje praktičnih primjera.

Provjera znanja

Provjera znanja provodi se testovima i usmenim ispitom.

Last modified: Monday, 16 July 2012, 2:48 PM

Literatura

Literatura na kolegiju:

Osnovna:

- 1. Veselica, V., Financijski sustav u ekonomiji, Inženjerski biro, Zagreb, 1995.
- 2. Marković, I., Financiranje Teorija i praksa financiranja trgovačkih društava, RRIF, Zagreb, 2002.
- 3. Vidučić, Lj., Financijski menadžment, RRiF, Zagreb, 2002.

Dopunska:

- 1, Van Horne, James C., Financijsko upravljanje i politika (Financijski menedžment), MATE, Zagreb, 1993.
- 2. Grupa autora, Tehnika financijske analize, HZRiFD, Zagreb, 1997.
- 3. Vukičević, M., Financiranje malih poduzeća, HZRiFD i RiF, Zagreb, 2000.

Last modified: Monday, 16 July 2012, 2:48 PM

SAGE

Matrice i determinante u SAGE-u

- · Binomni teorem i indukcija HTML za online pregledavanje
- · Binomni teorem i indukcija SWS SAGE datoteka

Predavanja

Predavanja: Realne funkcije realne varijable

Prezentacija -- nova verzija prezentacije stavljena na moodle 10.3.2014.

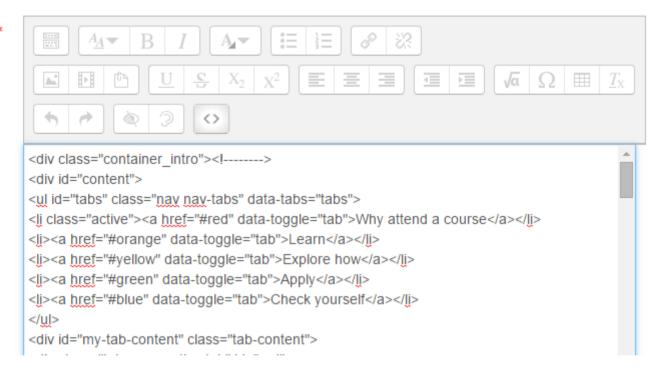
Smart board

- 03.03.2014.
- 10.03.2014.
- 17.03.2014.
- .

Moodle Stranica (Page)



Sadržaj stranice*



- Mogućnost upisivanja bilo kakvog HTML + JavaScript web sadržaja
- Izrada naprednih i interaktivnih web stranica (nastavnih materijala)
- Ne vrijedi samo za Stranicu
 - Book, Lesson, Labela, Opis kolegija/nastavne cijeline, Pitanje, ...

Primjeri: Moodle početna stranica



elearning.siscatalyst.eu





Free access SELF PACED

Want to learn how to empower children in their relationship with science?

Access the course and get theoretical background, general tips and practical tools!

Get Started

Ethics of Working with Children



Free access SELF PACED

Concerned about ethical issues when working with children?

Access the course and learn about ethics and its most important questions about working with children!

Get Started

Capacity Building for Hands-on Key Players



Free access SELF PACED

Are you interested in developing your activities or your organization?

Start Your Learning Adventure on capacity building approach!

Get Started

Building Creative Web Sites for Children



Free access SELF PACED

You need to create engaging and interesting Web site for children?

Read about all important things that you have to consider when addressing such a demanding audience!

Get Started

- 4 Bootstrap kolone
- Bootstrap tablica

Primjeri: Naslovnica Moodle kolegija



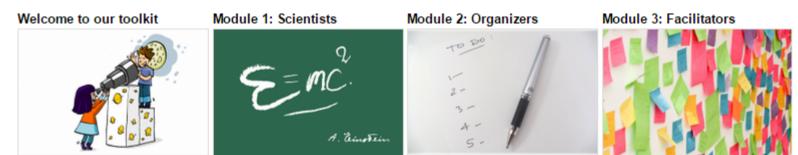
General



About the course

References

Student responses to identifying themselves as key players (for teachers only)

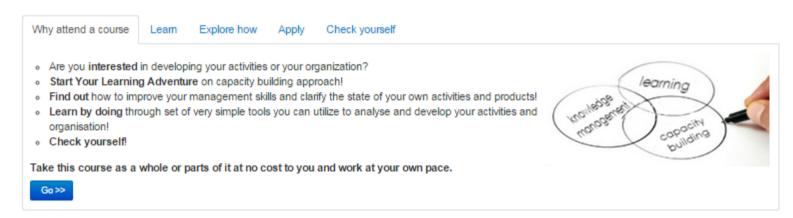


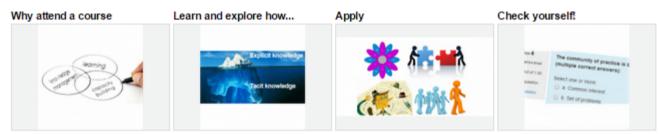
Grid format kolegija

Primjeri: Naslovnica Moodle kolegija



General

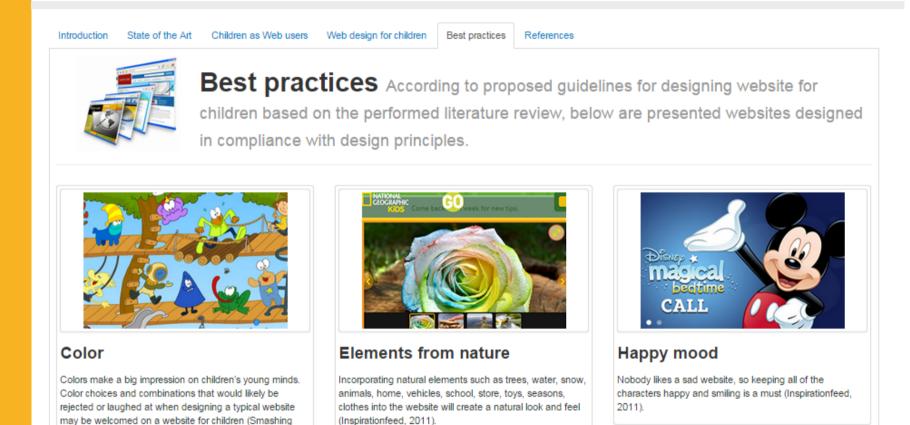




- Grid format kolegija
- Bootstrap Tabs

Primjeri: Naslovnica Moodle kolegija





Bootstrap Tabs unutar sažetka nastavne cijeline

Magazine, 2009).



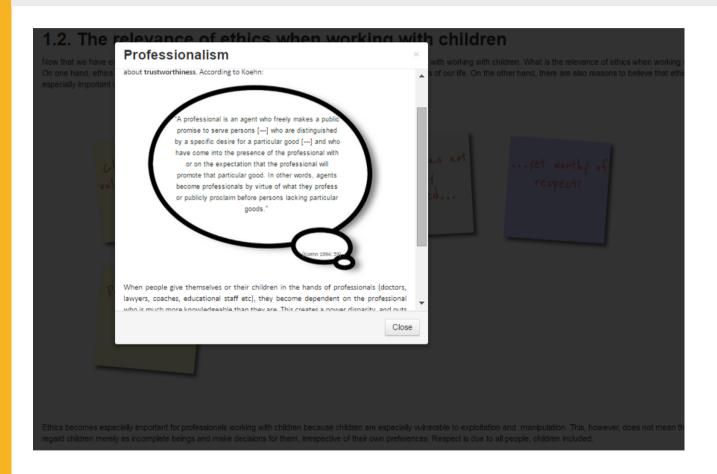
1.2. The relevance of ethics when working with children

Now that we have explained what ethics is and why it is important in general, it is time to link it more specifically with working with children. What is the relevance of ethics when working with children? On one hand, ethics is of course at least equally relevant when working with children as it is in all the other areas of our life. On the other hand, there are also reasons to believe that ethics becomes especially important when working with children.



- Bootstrap Modal
- Google fontovi
- CSS





- Bootstrap Modal
- Google fontovi
- CSS



1.3. The relationship between morality and the law

Legalistic understanding of morality

Similarities between morality and law

Differences between morality and law

But there are also differences.

- 1) Despite some convergence, there is no perfect overlap between the spheres of morality and law.
- a) On one hand, law also deals with things that are not inherently immoral. For example, it deals with traffic regulations, whereas the fact on which side of the road one must drive has nothing inherently to do with morality (from a moral point of view, the rule could just as well be "drive on the left side").
- b) On the other hand, there are also moral demands that surpass the reach of law. An example of a moral failure that does not quite amount to a crime can be found from Jamie Oliver's TED talk where he says: "We, the adults of the last four generations have blessed our children with a destiny of a shorter life span than their own parents," and compares unhealthy school food with "child abuse", even though all that the parents that Jamie Oliver has in mind do is just follow their own unhealthy eating habits, and providing their children with the same unhealthy food. Their food choices can be harmful to their children even if they are not consciously working towards a malicious end. In that sense, this is also a good example of ignorance and lack of foresight (which was discussed in more detail in 1.1).



Bootstrap Collapse



What is informed consent and assent?

In order to consider the best interests of the child, and to respect participants' autonomy it is important to ask for their agreement to be involved in a project. Agreement can be given in two forms: as an informed consent or informed assent.



Why is consent/assent so important?

Why is it especially important to get the consent from parents?

It is important to ask informed consent from parents because parents are the protectors of child's interests. They have a right and obligation to be involved. Supposedly, they are the ones who know their child better than anyone else and they are also the ones who care about the child the most. This is why they are in the most appropriate position to consider what is in the very best interests of their child.

Asking informed consent can also help to avoid future problems and alienation issues. When properly informed, parents will be more knowledgeable about

- Bootstrap Collapse
- Bootstrap Modal
- HTML Map



ould

l also

air if

4.1. How to select particip

One of the first questions that one encounters when organiz have the chance to take part. There are at least three main positive discrimination and targeting only certain minority aim t

- + Nobody will be declined. The doors are open for everyone interested.
- Expensive
- Might not grant diversity, especially when one seeks to include minority groups.

+ Being among other children with different background broadens participants' horizons about different ways of living, and promotes toleration.

 Some children in the group may need extra funding in order to be able to participate. When this becomes known to other children they might start asking why some of them are treated special.

Seek diversity

Equal access for every child

It is also worm noting that positive discrimination and promoting diversity, differentiate between children on the bar

children, such as their family background, ethnicity, etc. It should also be considered whether and how much impor-

as motivation and potential. A child who does not fit under the external criteria might be just as motivated and have

some kids are not allowed to take part just because there are already other people from the same ethnic, or other,

Positive discrimination

ional project?

ind the mo

or every c + Promotes equality on a larger scale
ple, targe by seeking to include minorities.

- It may be hard to find the best criteria for choosing the right target group. How to reach the ones who need it the most? One way, for example, is to target schools with statistically lowest scores. But in areas which are known as especially problematic there may be children from other schools as well who are not eligible just because they go to a different school.

Overall, when deciding which groups to target, it is equally important to ask: who will be the ones left out? Might they deserve the chance as well? Is it fair to exclude them?

Bootstrap Popover

Primjeri: Moodle "Stranica" s provjerom znanja



Exercise

Fill out a table on the problems mentioned in this section...

Problem	Cause(s) of the problem	Solution(s) to the problem
Impression that science is all about fun	romantic rhetoric that depicts children as hero- scientists who are supposed to save the world	make sure that (at least in the long run) children get to see different faces of doing science
Too high expectations concerning one's real abilities	practitioners' silent expectations concerning children advancing a future career in science	explain children how long the project lasts and provide support for how they should continue their lives after the project
Too much pressure	wish to raise interest in science	try to be sensitive to how children with different character may react to your words
Impressions that doing science is the only way to succeed in life	wish to encourage children	
Alienation from friends and family	children come from a different background where people do not know much about science	organise events to include parents as well
Feeling of abandonment		

Cause(s) of the problem

Solution(s) to the problem

make sure that children understand that self-attainment via higher education is just one possibility among others

lack of regard for what happens after the project

remember that educational projects are there for children (so that they could make more informed decisions about their future), not the other

JavaScript + CSS

Primjeri: Moodle "Stranica" s provjerom znanja



Exercise

Fill out a table on the problems mentioned in this section...

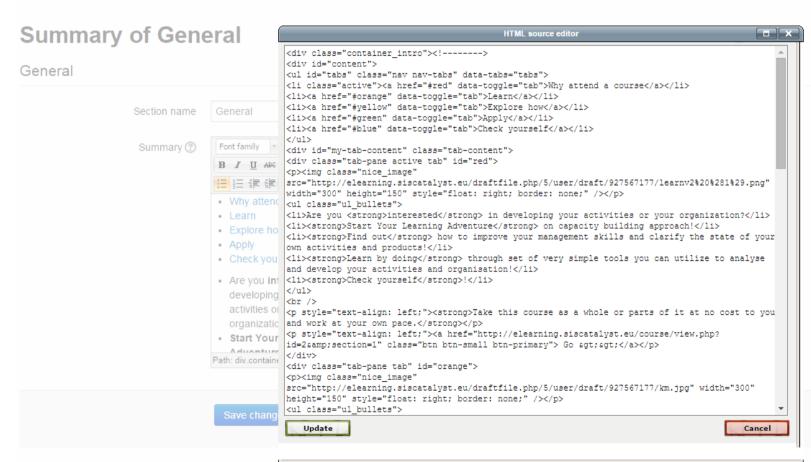
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Impressions that doing science is the only way to succeed in life	wish to encourage children	make sure that children understand that self- attainment via higher education is just one possibility among others
Alienation from friends and family	children come from a different background where people do not know much about science	organise events to include parents as well
Feeling of abandonment	lack of regard for what happens after the project	remember that educational projects are there for children (so that they could make more informed decisions about their future), not the other way around

JavaScript + CSS

Problemi







Trenutne opcije

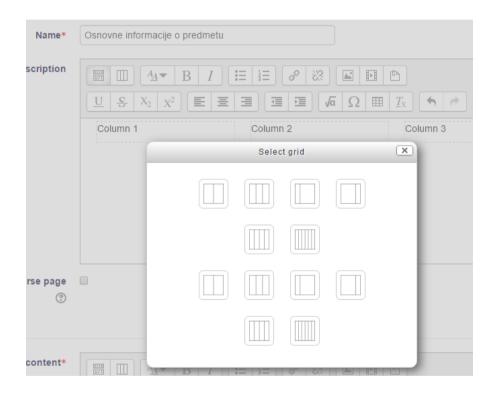


- Responsive SCORM
- Uređivanje HTML-a unutar WYSIWYG editora
- Vanjski alati za izradu web sadržaja
- Korištenje specijaliziranih alata za izradu sadržaja za eučenje
- Moodle moduli

Uređivanje HTML-a unutar WYSIWYG editora



Atto



Bootstrap Grid

Uređivanje HTML-a unutar WYSIWYG editora



tinyMce

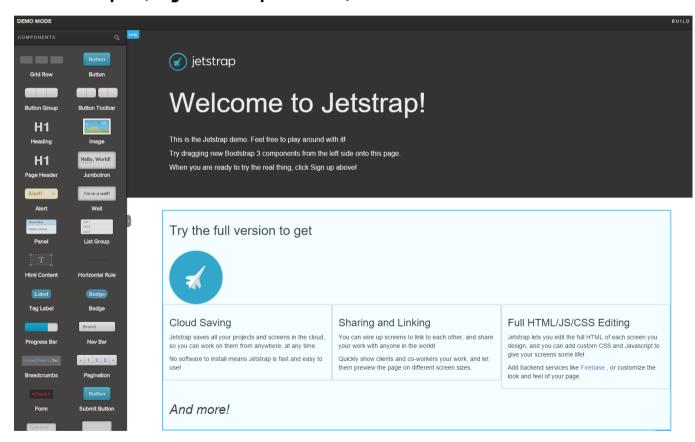
Tinymce Bootstrap Plugin Edit ▼ View ▼ Format ▼ Table ▼ Tools ▼ Insert Bootstrap Template New! Create any custom element using the new great snippet tool! 🖈 Snippet Tool Up Here 👲 Bootstrap Toolbar Up Here! 🖢 Pre-built Bootstrap elements : This is a 2 columns template Insert new content here ... ☆ Navbar ☆ Carousel ☆ Navbar Nav ☆ Popover ☆ Nav Tabs ☆ Accordion ☆ Modal ☆ Jumbotron TinyMce Bootstrap plugin has been successfully tested with All Major Browsers.

tinyMce Bootstrap Plugin

Vanjski alati za izradu web sadržaja



Jetstrap (nije besplatan)

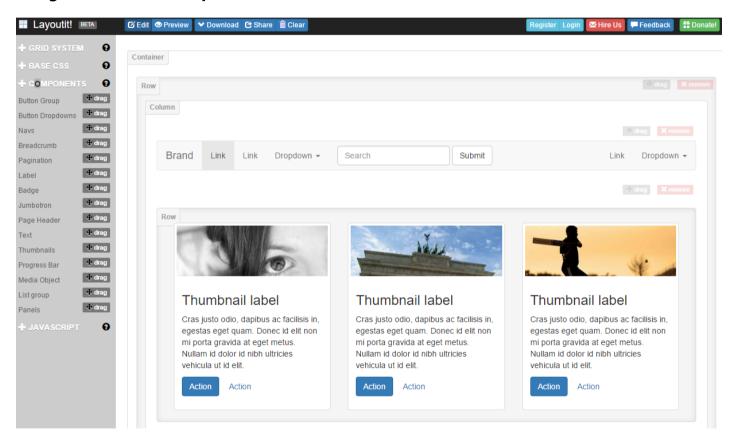


18 Essential Bootstrap UI Editors

Vanjski alati za izradu web sadržaja



Layoutit (besplatan)

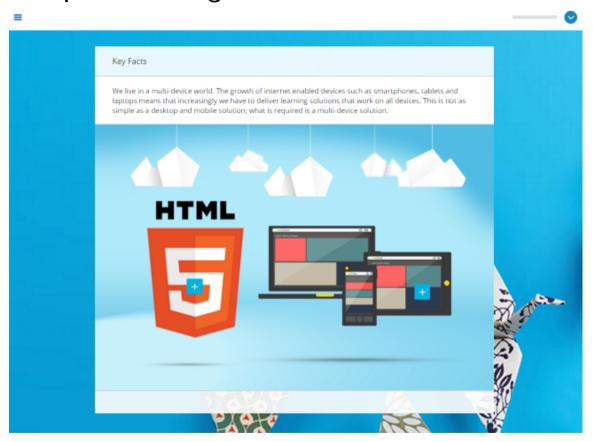


18 Essential Bootstrap UI Editors

Specijalizirani alati za izradu sadržaja za e-učenje



Adapt Learning



The Ultimate List of HTML5 eLearning Authoring Tools

Moodle moduli



Bootstrap Elements

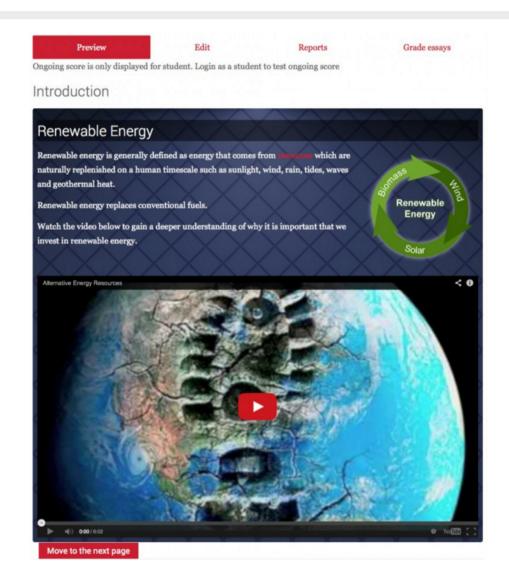
General				
Title*				
Content				
Element Type	Modal ▼			
Icon	Modal Toggle Enhanced Label Blockquote			

Bootstrap Elements

Dodatno



 Izvrstan članak o mogućnostima prilagodbe lekcije (lesson)



http://goo.gl/CyJV7Y

Pitanja?



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Fakultet organizacije i informatike

http://www.foi.unizg.hr/