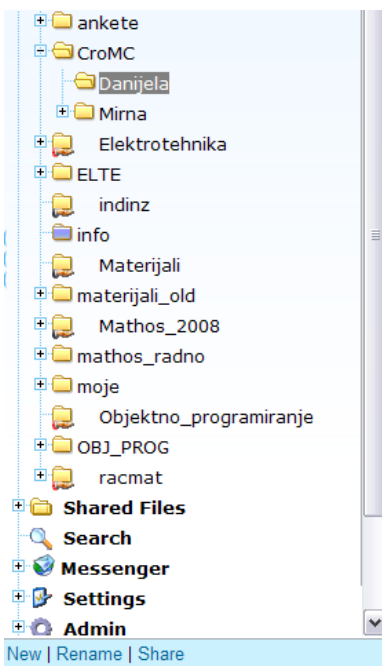
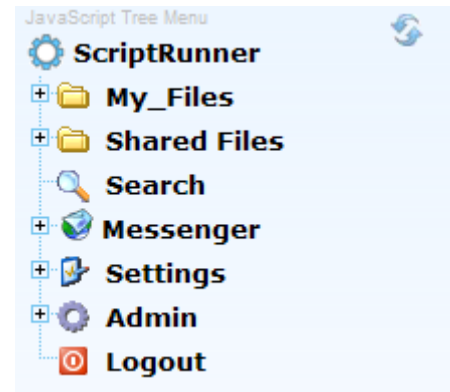


12 temeljnih značajki Scriptrunner-a

1. Udaljeni datotečni sustav (remote file system)

- Osobni (My_Files) folder/datoteke
- Objavljene (shared, published) datoteke
- Stablo odgovara stvarnom Linux stablu servera
- Svaka datoteka ima svoj jedinstveni identifik. broj (ID)



slika4.pdf	25.95 KB	.pdf	27-08-2007 20:27:38
slika5.pdf	52.88 KB	.pdf	27-08-2007 20:28:46
slika6.pdf	24.52 KB	.pdf	27-08-2007 20:29:18
slika7.pdf	26.61 KB	.pdf	27-08-2007 20:25:30
example21.py	0.5 KB	.py	14-06-2008 18:49:56
example22.py	0.82 KB	.py	14-06-2008 18:50:34
example31.py	1.27 KB	.py	14-06-2008 18:50:54
example41.py	1.73 KB	.py	14-06-2008 18:51:10
example51.py	2.38 KB	.py	14-06-2008 18:51:31
example21_inter.py	0.6 KB	.py	14-10-2008 22:02:53
example22_inter.py	0.86 KB	.py	14-10-2008 22:12:01
example31_inter.py	1.35 KB	.py	15-12-2008 00:00:07
example41_inter.py	1.82 KB	.py	15-07-2008 19:07:24
example51_inter.py	2.6 KB	.py	15-07-2008 19:38:41
danijela.pdf	180.17 KB	.pdf	14-10-2008 22:21:17
example41b.py	1.75 KB	.py	15-06-2008 18:53:53

select all | deselect all | New file

- show file access info
- show upload form

File access info

File ID (example21.py):
7601

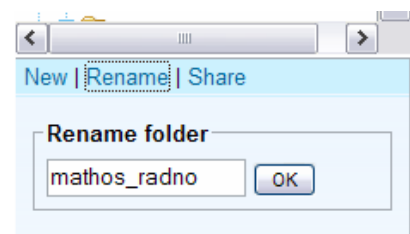
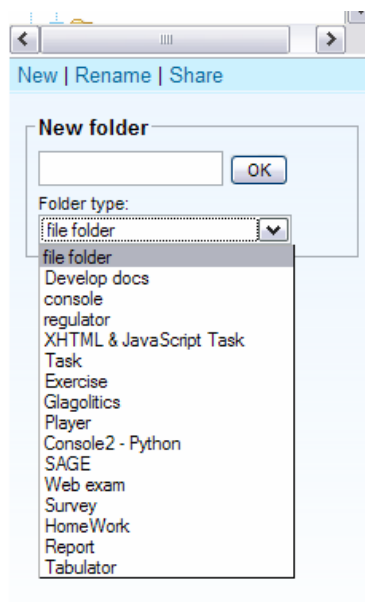
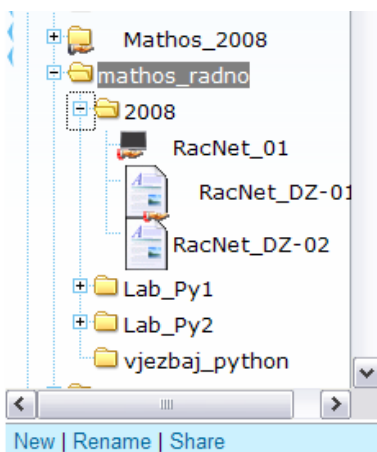
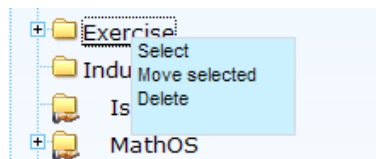
Web path (web address):
http://scriptrunner.fsb.hr/scriptrunner3/user_files/mario/My_Files/CroMC/Danijela/example21.py

File system path:
`/scriptrunner3/user_files/mario/My_Files/CroMC/Danijela/example21.py`

To run file use this link:
http://scriptrunner.fsb.hr/scriptrunner3/run/run.php?sr_run_file_id=7601

To edit this file use this link:
http://scriptrunner.fsb.hr/scriptrunner3/plugins/script_editor_1000/index.php?sr_file_id=7

- desni gumb na folder



- New – folder ili plug-in
- Rename – mijenja ime
- Share - objavljuje

2. Osnovne operacije s datotekama (lokalno računalo ↔ server)

- desni klik na datoteku – file info
- edit, delete, rename, open, ...
- arhiviranje (tar.gz/zip)
- download

File name	Size	type	Date
engleska_verzija.tex	14.44 KB	.tex	15-07-2008 19:37:30
greda.pdf	15.6 KB	.pdf	13-12-2008 12:29:24
luk.pdf	18.28 KB	.pdf	13-12-2008 12:29:36
opruga.pdf	16.77 KB	.pdf	13-12-2008 12:30:00
slika1.pdf	24 KB	.pdf	27-08-2007 20:26:16
slika2.pdf	25.58 KB	.pdf	27-08-2007 20:26:52
slika3.pdf	26 KB	.pdf	27-08-2007 20:27:10
slika4.pdf	25.95 KB	.pdf	27-08-2007 20:27:38
slika5.pdf	52.88 KB	.pdf	27-08-2007 20:28:46
slika6.pdf	24.52 KB	.pdf	27-08-2007 20:29:18
slika7.pdf	26.61 KB	.pdf	27-08-2007 20:25:30
example21.py	0.5 KB	.py	14-06-2008 18:49:56
example22.py	0.82 KB	.py	14-06-2008 18:50:34
example31.py	1.27 KB	.py	14-06-2008 18:50:54
example41.py	1.73 KB	.py	14-06-2008 18:51:10
example51.py	2.38 KB	.py	14-06-2008 18:51:31
example22_inter.py	0.6 KB	.py	14-10-2008 22:02:53
example31_inter.py	0.86 KB	.py	14-10-2008 22:12:01
example41_inter.py	1.35 KB	.py	15-12-2008 00:00:07
example51_inter.py	1.82 KB	.py	15-07-2008 19:07:24
example41_inter.py	2.6 KB	.py	15-07-2008 19:38:41
daniijela.pdf	180.17 KB	.pdf	14-10-2008 22:21:17
example41b.py	1.75 KB	.py	15-06-2008 18:53:53

- selektiranje lijevim klikom na datoteku ili 'select all' izborom
- Arhiviranje (ZIP/TAR) na serveru

The page at http://scriptrunner.fsb...
Enter archive file name:
SVE

- prebacivanje, npr. netom ZIP-ane datoteke, sa servera na lokalno računalo (download)

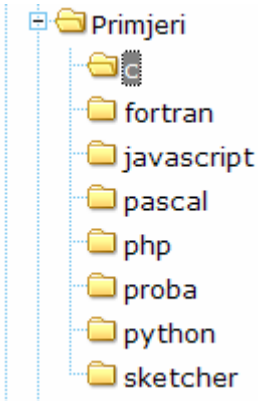
example51_inter.py	2.6 KB	.py	15-07-2008 19:38:41
daniijela.pdf	180.17 KB	.pdf	14-10-2008 22:21:17
example41b.py	1.75 KB	.py	15-06-2008 18:53:53
SVE.zip	324.82 KB	.zip	05-09-2008 21:40:50

Opening SVE.zip
You have chosen to open
SVE.zip
which is a: Mathematica Package
from: http://scriptrunner.fsb.hr
What should Firefox do with this file?
Open with WinRAR.ZIP (default)
Save to Disk
Do this automatically for files like this from now on.

- Prebacivanje s lokalnog računala na server (upload), bez FTP programa.

Files for upload
1. C:\Benchmark2.pdf [Browse...]
2. [Browse...]
3. [Browse...]
Upload files | add file

3. Izvođenje programa pisanog u programskom (C++/Java/Python) ili matematičkom (Octave/Matlab/.../R/SAGE) jeziku na daljinu



File name	Size	Type	Date
hello.c	0.07 KB	.c	17-04-2006 04:06:54
prim.c	0.54 KB	.c	17-04-2006 04:09:24
zbroji.c	0.26 KB	.c	17-04-2006 04:09:50
pascal_triangle.c	0.51 KB	.c	17-04-2006 04:43:24
zmaj.c	0.68 KB	.c	22-12-2007 00:47:26

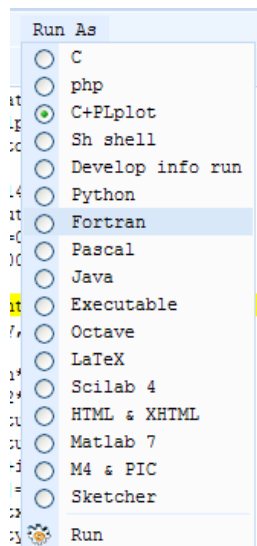
select all | deselect all | New file

show file access info
 show upload form

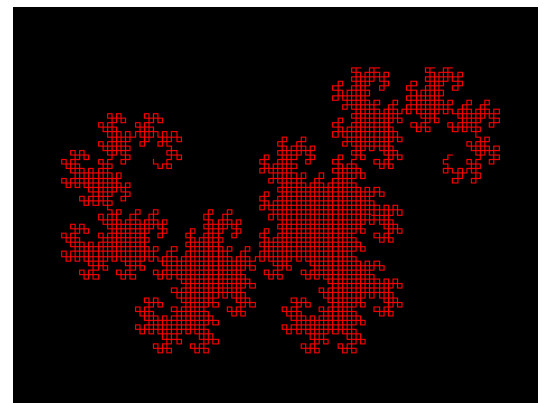
- Spremljeni primjeri za neke jezike
- Izvorni (source) kôd otvara se u (pretpostavljenom) editoru
- Prije izvođenja izabрати compiler!!

```
> / Primjeri / c /
File Edit View Run As

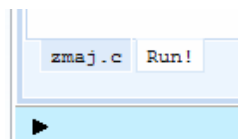
1 #include <math.h>
2 #include <plplot.h>
3 #include <stdio.h>
4
5 float pi=3.14159;
6 int i=-1, kut=180;
7 float turtx=0., turty=0., h=0.1;
8 double x[10000], y[10000];
9
10 void zmaj(int dubina) {
11 float dx, dy, tx, ty;
12 if (!dubina) {
13     dx=h*cos(kut*pi/180);
14     dy=2*h*sin(kut*pi/180);
15     tx=turtx+dx;
16     ty=turty+dy;
17     x[++i]=2*tx;
18     y[i]=ty;
19     turtx=tx;
20     turty=ty;
21 }
22 else if (dubina>0){
23     zmaj(dubina-1);
24     kut+=90;
25     zmaj(1-dubina);
26 }
27 else {
28     zmaj(-dubina-1);
29     kut-=90;
30     zmaj(dubina+1);
31 }
32 }
33
34 int main(int argc, char *argv[]) {
35     plParseOpts(&argc, argv, PL_PARSE_FULL);
36     plinit();
37     plenv(-10,20,-14,4,1,-2);
38     zmaj(12);
39     plline(i,x,y);
40     plend();
41     return 0;
42 }
43
44
45
46
47
48
49
50
```



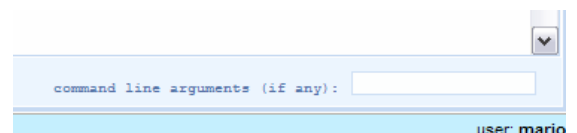
Rezultat: strašan zmaj :-)



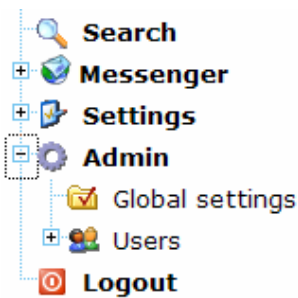
- Na dnu editorskog okvira: slijeva



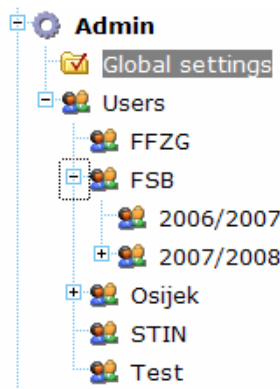
zdesna



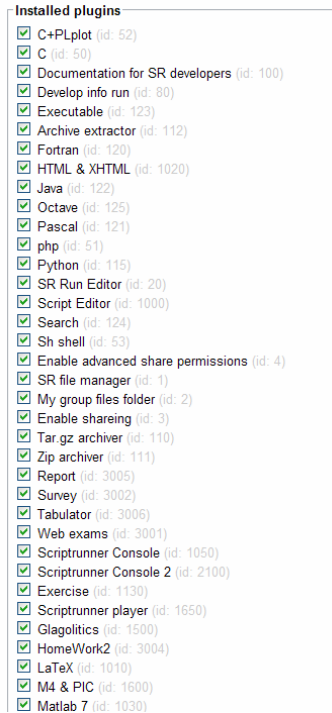
4. Hijerarhijski sustav korisnika (*admin, group admin, user, public*)



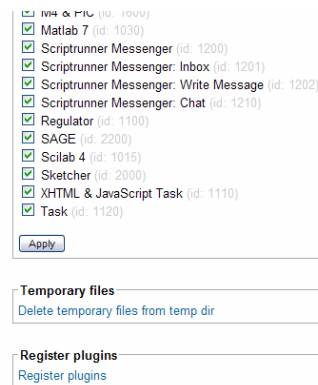
- Grupe korisnika



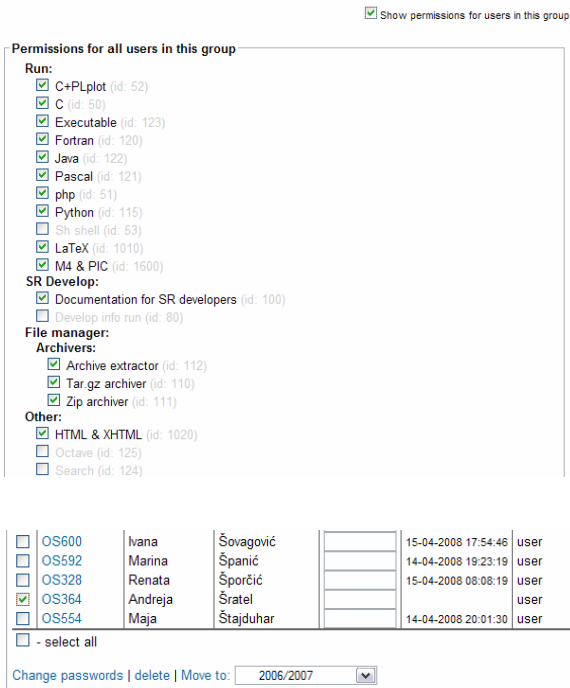
- Dopuštenja plug-inova



- Globalne postavke za korisnike



- Upis i administracija korisnika



Add new user to this group

Username:
 Password:
 First name:
 Last name:
 E-mail:
 Mobile phone:
 JMBAG:
 JMBG:
 Comment:

user
 user / group admin
 admin
 public

Users in this group

	Username	First name	▲ Last name	Password	Last login	User level
<input type="checkbox"/>	OS552	Ardiana	Bajčinovci		16-04-2008 16:59:14	user
<input type="checkbox"/>	OS529	Maja	Bandalo		15-04-2008 12:36:57	user
<input type="checkbox"/>	OS612	Tanja	Benčić		11-04-2008 10:37:47	user
<input type="checkbox"/>	OS547	Dragana	Bobičić		16-04-2008 11:54:09	user
<input type="checkbox"/>	OS606	Ivan	Bodiš		16-04-2008 09:39:51	user
<input type="checkbox"/>	OS546	Diana	Bošnjak		13-04-2008 19:18:23	user
<input type="checkbox"/>	OS579	Brankica	Bošnjak		16-04-2008 11:53:43	user
<input type="checkbox"/>	OS326	Berislav	Brajković		15-04-2008 11:09:07	user
<input type="checkbox"/>	OS485	Jasmina	Brkić		14-04-2008 17:28:29	user
<input type="checkbox"/>	OS680	Marija	Brnatović		18-03-2008 12:06:17	user
<input type="checkbox"/>	OS539	Ivana	Bubić		16-04-2008 11:02:22	user
<input type="checkbox"/>	OS489	Sanja	Đelatović		14-04-2008 11:49:41	user
<input type="checkbox"/>	OS425	Danijel	Drmić		16-04-2008 04:16:24	user

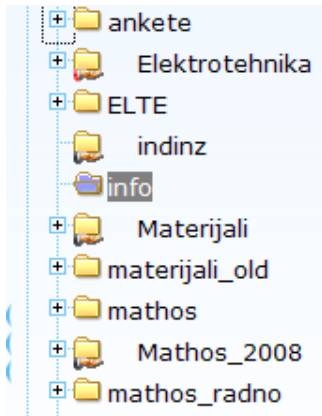
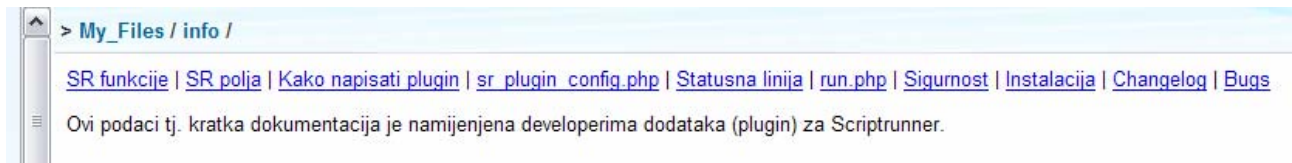
Add new users from csv file

Generate random passwords for new users
 Generate usernames for new users
 Send login data to each new user by E-mail
 All new users are userlevel 'user' (3)
 Show report

File format:
 Username,Password,First name,Last name,E-mail,Mobile phone,JMBAG,JMBG,Comment,User type
 (User type: 5=admin, 4=group_admin, 3=user)

- XCL/CSV unos i obradba većih skupina korisnika

5. Modularna nadogradnja jezgre (plug-ins)



- Modul **info** – kako načiniti vlastiti plugin (u PHPu), uskoro i u Pythonu
- Plug-ins se umeću 'u radu' – nema potrebe za gašenjem stroja
- Jednostavno dodavanje novog plug-ina bilo kojem korisniku
- Više od 15000 linija kôda

- 100-tinjak glavih funkcija

[SR funkcije](#) | [SR polja](#) | [Kako napisati plugin](#) | [sr_plugin_config.php](#) | [Statusna linija](#) | [run.php](#) | [Sigurnost](#) | [Instalacija](#) | [Changelog](#) | [Bugs](#)

Ovo je popis funkcija iz functions.php. Bojom su označene one koje su važnije za pisanje plugina. Ispod imena f

sr_set_status_line(\$text,\$is_OK)

```
$sr_GLOBAL_status_line_text_arr = array();
$sr_GLOBAL_status_line_text_isok_arr = array();

// funkcija koja puni globalne variable pomocu kojih se ispisuje text u stat
// ukoliko se želi nešto ispisati u statusnoj liniji iz koda koji se include
// potrebno je samo pozvati:
// sr_set_status_line($text,'ok') ili
// sr_set_status_line($text,'nook'),
// a ukoliko se želi ispisati poruka bez da se statusna linija refresh-a, ur
// ispisuje poruka i poziva ova funkcija obično na kraju bi trebalo include-
// napr: include ($sr_config["sr_base_dir"]."/status_line_message.php");
```

sr_create_folder(\$parent_id,\$new_folder_name,\$new_folder_type)

```
// kreira folder
// vraca:
// 0 - greska, user nema dozvolu za kreiranje ili mozda folder s tim imenom
// id kreiranog foldera - ok, folder napravljen

// OVO JE SAMO ZA OTVARANJE NOVIH USERA:
// ukoliko postoji globalna varijabla $sr_FOLDER_OWNER vlasnik foldera ce biti
// tada treba biti postavljeno i $sr_FOLDER_OWNER_USERNAME
```

sr_create_folder_database(\$new_folder_name,\$parent_id,\$owner,\$new_folder_type,\$resources_folder)

```
// ovo je funkcija (pomoćna) koja kreira folder samo u bazi
```

sr_rename_folder(\$folder_id,\$folder_new_name)

```
// preimenuje folder
```

sr_delete_folder_database(\$folder_id,\$include_curent_folder,\$arr_ids_not_delete)

```
// briše rekurzivno foldere u bazi (pomoćna funkcija za sr_delete_folder())
```

- Pokretanje programa na daljinu:

[SR funkcije](#) | [SR polja](#) | [Kako napisati plugin](#) | [sr_plugin_config.php](#) | [Statusna linija](#) | [run.php](#) | [Sigurnost](#) | [Instalacija](#) | [Changelog](#) | [Bugs](#)

Ovo je objašnjenje kako Scriptrunner pokreće programe.

Skripta koja pokreće sve programe koje napišu korisnici (osim php skripti koje pokreće web server kao cgi pod udom korisnika) je run.php i nalazi se u scriptrunner/run folderu.

Podaci za izvršavanje programskog koda run.php može dobiti na više načina:

1. postom vrijednosti iz html forme
2. getom preko url-a napr. `http://server_name/scriptrunner3/run/run.php?sr_run_file_id=627`
3. iz baze tj. dostupni su svi podaci pohranjeni s fileovoma u sr-u napr. sadržaj, komandna linija i sl.
4. kombinacijom prva tri načina

Podaci o fileu koji se izvršava tj. imena varijabli koje run.php uzima getom ili postom su:

- **sr_run_file_id** - id filea koji
- **sr_run_contents** - sadržaj filea
- **sr_run_commline** - komandna linija
- **sr_run_as** - izvrši kao' tj. id plugina s kojim se izvršava
- **sr_run_folder_id** - folder u kojemu se izvršava ako je moguće s obzirom na permisije korisnika koji pokreće file
- **sr_run_exe** - jeli exe file tj. već kompajlirani binary
- **sr_run_save_exe** - dali da snimi exe file tj. rezultat kompajliranja (mora biti podržano u pluginu s kojim se izvršava)
- **sr_run_content_type** - vrijednost 'content type' html headera prilikom ispisa rezultata izvršavanja. Napr 'text/html' (mora biti podržano u pluginu s kojim se izvršava)

Post ima prednost nad getom. Napr ako se kroz submit html forme skripti `run.php?sr_run_file_id=f` pošalje isto neka vrijednost `sr_run_file_id` (napr. `<input name="sr_run_file_id" type="hidden" id="sr_run_file_id" value="2" / >`) uzeti će se ta vrijednost iz forme, a ne iz url-a (2 u ovom slučaju).

- **Sigurnost sustava** – najteža i najbolja stvar

Sr_wrap program se nalazi u defaultnom cgi-bin (Debian: /)

- pokretanje php-a kao CGI (pod uid-om 7000 + sr_us
- pokretanje naredbi i programa kroz shell (pod uid-or
- postavljanje vlasništva (`www-data:7000 + sr_user_ic`
- postavljanje vlasništva (`www-data:7000 + sr_user_ic`
- otvaranje nove grupe procesa
- čišćenje i postavljanje environment vrijednosti
- provjera korisnika koji pokreće program (mora biti u
- logiranje pgid-a procesa koje pokreće, Scriptrunner
- logiranje grešaka u syslog
- mijenjanje prioriteta procesa (default nice = 15)
- postavljanje umask na 0006

6. Vremenska aktivacija

- Modul (plug-ins) ili neki njegov dio, može se aktivirati po želji i biti aktivan unutar nekog vremenskog perioda
- Tipičan primjer: aktivacija ispita/zadaće

Exam name: **Racnet_ispit-280607**
Choose a task...

Show exam
Edit exam data
Exam activation
Show exam statistics
Report!

Exam name: **RacNet_1ispit**

New examining session

Session date: 5.7.2008
Required format: DD.MM.YYYY

Start time: 9:00
Required format: HH:MM

End time: 10:00
Required format: HH:MM

Add session

Session date:

New examining session

Session date: 9.7.2008
Required format: DD.MM.YYYY

Start time: 13:00
Required format: HH:MM

End time: 15:00
Required format: HH:MM

Add session

- Može se zadati više sekcija, pa će modul biti aktivan u njima

	Session date:	Start time:	End time:
x	2008-07-09	13:00:00	15:00:00

- aktivacija pojedinačnih vizualnih objekata od 0.25 sek naviše

Postavke eksperimenta

eksperiment:

ekspozicija:

pošalji

0.25 s
0.40 s
0.50 s
0.75 s
1 s

Redosljed učenja:

- [A] trokutasta glagoljica
učenje: 0% [start]
naučenost: 0% (0/0)
- [B] okrugla glagoljica
učenje: 0%
naučenost: 0% (0/0)
- [C] uglata glagoljica
učenje: 0%
naučenost: 0% (0/0)
- [D] knjiška kurzivna glagoljica
učenje: 0%
naučenost: 0% (0/0)
- [E] kancelarijska kurzivna glagoljica
učenje: 0%
naučenost: 0% (0/0)

Ispitivanje brzine učenja



Statistika

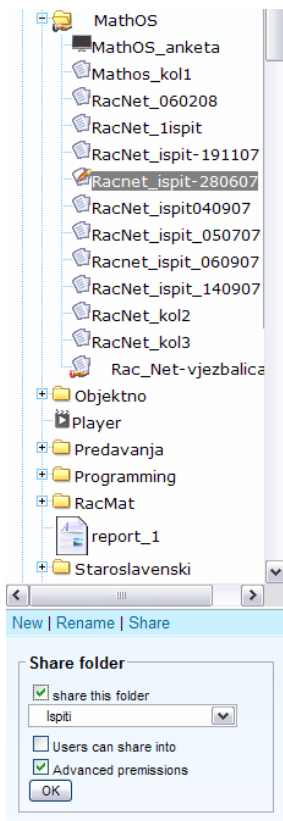
eksperiment: 1
ekspozicija: 1.00s
statistika: A:csv; B:csv; C:csv; D:csv; E:csv;

Ispitanici

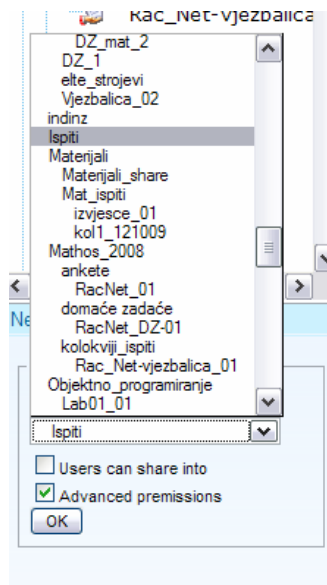
Mario Essert [mario]
A: 0/0; B: 0/0; C: 0/0; D: 0/0; E: 0/0

Antonio Magdić [amagdic]
A: 0/1; [csv] B: 0/0; C: 0/0; D: 0/0; E: 0/0

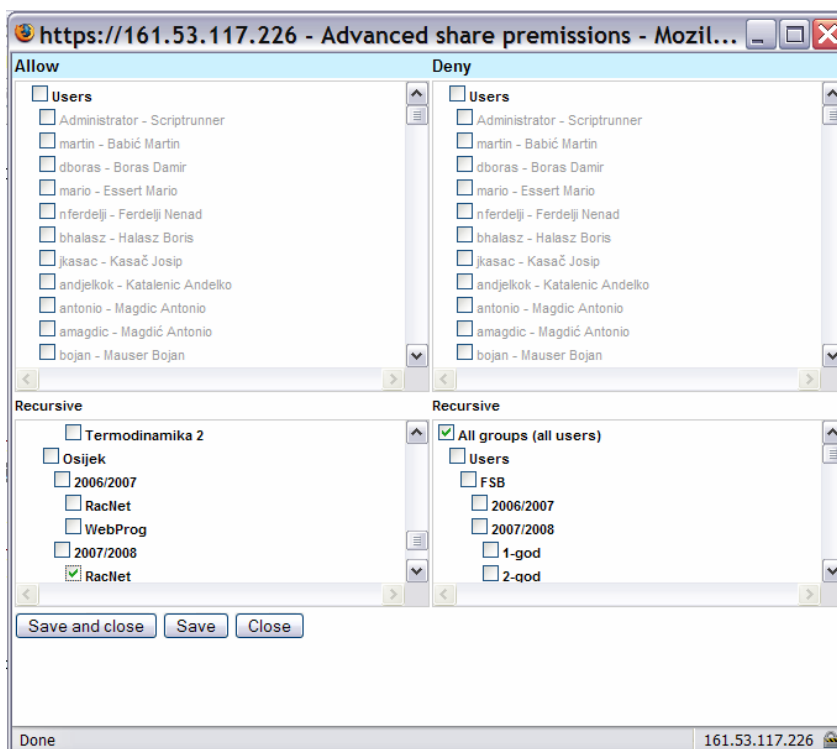
7. Selektivno objavljivanje (*share grupa-e i/ili korisnika*)



- izbor javnog foldera u kojem se objavljuje (share)



- izbor grupe(a) ili pojedinačnih korisnika koji 'vide' plugin (npr. ispit, domaću zadaću)



- nakon izbora i 'Save and close' ili 'Save' ne zaboraviti 'OK' na 'Share folder'.

8. Dokumenti s interaktivnim formama

- Radio button, checkbox, push button, input text, text area, ...

XHTML

```

File Edit View Run Go
Document: C:\msdcs\Public\...
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1"
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>Primeri pozivaju scriptrunner programe iz HTML dokumenta</title>
6 <script type="text/javascript">
7
8 </script>
9
10 <body <
11 <div style="font-family: Arial, Helvetica, sans-serif;
12 <div style="font-size: 1.2em;
13 <div style="font-weight: bold;
14 </div>
15 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
16 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
17 </div>
18 </div>
19 <div class="script">Primeri HTML dokumenta iz kojeg se pozivaju scriptrunner programi </div>
20 </div>
21 </script>
22 </script>
23
24 <form action="http://scriptrunner.fhb.hr/scriptrunner/run/run.php" method="post">
25 <input type="text" value="programski kod" />
26 <input type="text" value="komandna linija" />
27 <input type="submit" value="izvrši" />
28 </form>
29
30 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
31 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
32 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
33 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
34 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
35 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
36 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
37 </div>
38 </div>
39 </div>
40
41 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
42 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
43 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
44 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
45 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
46 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;
47 </div>
48 </div>
49
50 </html>

```

Primjer html dokumenta iz kojeg se pozivaju scriptrunner programi

Primjer 1:

```

c programski kod:
#include <stdio.h>

int main(int argc, char *argv[])
{
    int rez;
    printf("prvi broj je: %s\n", argv[1]);
    printf("drugi broj je: %s\n\n", argv[2]);

    rez = strtoul(argv[1], NULL, 10) +
    strtoul(argv[2], NULL, 10);
    printf("zbroj je: %d", rez);
}

komandna linija:
10 20

[izvrši]

```

Primjer 2:

[Pokreni pokreni c program koji ispisuje prim brojeve do 100](#)

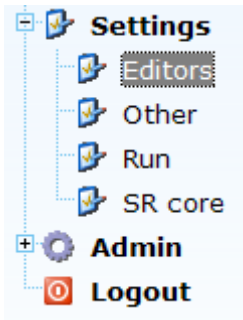
PDF

- Generiranje iz LaTeX -> PDF

The screenshot shows the ScriptRunner application interface. On the left is a file explorer showing a folder structure with files like 'ankete', 'CromC', 'Mirna', 'Elektrotehnika', 'ELTE', and 'info'. The main window displays a document titled 'STUDENT'S MANUAL ON NUMERICAL INTEGRATION'. The document contains mathematical text and several interactive form fields. One field is for 'input data' with values: $\alpha = 15$ (angular amplitude in degrees), $l = 0.3$ (length of pendulum in meters), and $\epsilon = 0.00005$ (precision). Below the form fields, the text reads 'Romberg integration starts with the computation of $R_{1,1} = I_1$ (one panel)'. The bottom status bar shows '7 of 11' pages.

By Simpson's rule integral is $K = 2.49202906042$
 The period of a simple pendulum is: 1.74316789031

9. SR, LaTeX i FCK (Word like) editori



Change password
 Old:
 New:
 New again:

Default file editor

User data
 First name: Mario
 Last name: Essert
 E-mail: mario.essert@fsb.hr
 Mobile phone: 091 5741337
 JMBAG:
 JMBG:

SR Run Editor

source
 Height: 40
 Width: 60
 Font size: medium

description
 Height: 10
 Use WYSIWYG HTML editor

Script Editor

 Display Line Numbers

- SR editor – najjednostavniji

- Scripteditor – s menu-ima

File name: **nlk1.py** Last saved at: 24-10-2008 10:23:09

Show file description

File description
 Ovo je primjer otvaranja doteteke u SR editoru

File content

```
import nltk
nltk.stem.porter.demo ()
nltk.stem.lancaster.demo ()
nltk.probability.demo ()
nltk.chunk.regexp.demo ()
nltk.parse.chart.demo ()
nltk.sem.evaluate.demo ()
nltk.sem.logic.demo ()
```

Run as: Python

Show more options

More options
 Command line arguments (if any):
 Save executable as (if created): (existing file will be replaced)

My Files /

File Edit View Run As

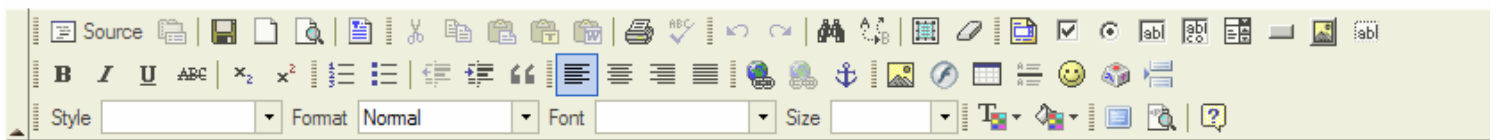
Document Math Symbols References Sectioning Environment Font Styles Spacing Forms

1 \documentclass{beamer}
 2 \usepackage{pdfTeX,navibar}{web}
 3 \usepackage{opt250}{inputenc}
 4 \usepackage{color}
 5 \usepackage{forms}
 6 \usepackage{txfonts}
 7 \usepackage{Frankfurt}
 8 \usecolortheme{seahorse}
 9 \usecolortheme{rose}
 10 \renewcommand{\baselinestretch}{1.5}
 11
 12
 13 \begin{document}
 14
 15 \begin{frame}
 16 \frametitle{Primjer interaktivnog Matlaba}
 17 Upoznajmo živi PDF dokument na \href{http://scriptrunner.fsb.hr/scriptrunner3}{\colorbox{blue
 18
 19 \begin{Form}
 20 Izračunajmo hidromehanički problem iz dokumenta \textbf{#Hidromehanika_16} za koji vrijedi:\\
 21 \$r_h u = \inputTextfield{rou}{4}{0} (između 20 i 2000) \\
 22 \$r_h u = \inputTextfield{rou}{4}{0} (između 20 i 1000) \\
 23 \$H = \inputTextfield{H}{4}{0} (između 10 i 50) \\
 24 \inputTextHidden{sr_run_commline}{}
 25 \inputSubmitJavaScript{Izvrsi}
 26 \var SubmitField = new Array("rou", "H"); /* polja koja se šalju SR-u */
 27 SubmitField[SubmitField, "http://scriptrunner.fsb.hr/scriptrunner3/run/run.php?sr_run_file_id=
 28 }
 29 \end{Form}
 30
 31 \end{frame}
 32
 33 \end{document}

primjer_octave.tex

Settings saved. (12:14:45)

- FCK (Word like) editor – u nastavnim plug-inovima



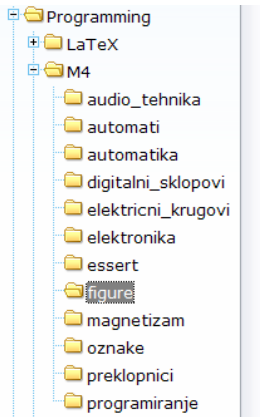
- Proširenja editorskih mogućnosti: ## za ulazne, \$\$ za izlazne višestruke podatke
- Nevidljiva polja (u exercises): `<?input> ... </?input>`, `<?text> ... </?text>`

points: 4

```
\documentclass[a4paper,10pt]{article}

\begin{document}
\begin{equation}
\int_0^{\infty} t^x e^{-t} dt = (1/x) \prod_{k=1}^{\infty} dt
```

10. Grafički i multimedijски alati

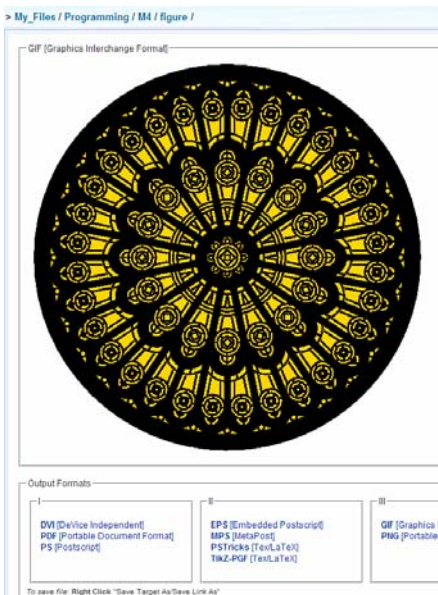


File name	Size	type	Uate
yinyang.m4	0.3 KB	.m4	05-12-2007 12:48:58
arco.m4	0.25 KB	.m4	11-06-2007 18:45:52
csc.m4	2.25 KB	.m4	05-12-2007 12:48:58
diamond.m4	0.58 KB	.m4	05-12-2007 12:48:58
Escher.m4	2.61 KB	.m4	
ex10.m4	0.42 KB	.m4	
graysurf.m4	0.91 KB	.m4	
incleps.m4	0.73 KB	.m4	
recycle.m4	1.68 KB	.m4	
rose.m4	4.76 KB	.m4	
Sierpinski.m4	0.59 KB	.m4	
snake.m4	0.37 KB	.m4	
worm.m4	1.34 KB	.m4	
a.m4	0.02 KB	.m4	

- PIC/M4, TikZ/PGF
- Izlazi u svim grafičkim formatima

```

> My_Files / Programming / M4 / figure /
File Edit View Run As
Picture Locations Orientation Objects Size Style Decorations Positions Functions Program
1 & rose.m4
2 divert(-1)
3
4 define('rose', 'point_{'s2'}): CC: (vec_{'s1'
5 move to CC
6 tmp = rrad-stripwid
7 (circle shaded "gold" rad rrad-sthick at
8 (circle shaded "gold" rad tmp-sthick at C
9 (line to rvec_{'rrad,0} chop tmp chop 0 )
10 (line to rvec_{'-rrad,0} chop tmp chop 0 )
11 (line to rvec_{'0,rrad} chop tmp chop 0 )
12 (line to rvec_{'0,-rrad} chop tmp chop 0 )
13 (line from rvec_{'-tmp/sqrt(2),-tmp/sqrt(2)
14 (line from rvec_{'tmp/sqrt(2),tmp/sqrt(2)
15 (circle shaded "gold" rad tmp-stripwid-st
16 tmp = lest circle.rad/sqrt(2)
17 rgbfill(gold,line thick stripwhick from
18 then to rvec_{'tmp,0} then to rvec_{'0,tmp
19 ')
20
21 define('spt_', '/72.27')
22 define('gold_', '1,0.84,0')
23
24 divert(0)dn1
25 ifelse(ifpstricks(T)''ifpost(T)''ifpostscr
26 'This diagram must be produced as PSTricks,
27 '.PS
28 scale = 1.2
29 scale (mm)
30 { lsk = 1.2
31 sector = 360*ator_16
    
```



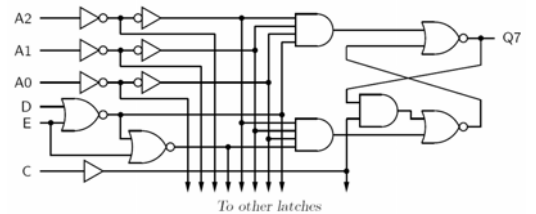
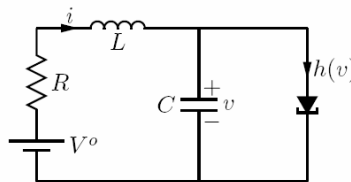
Output Formats

DVI [DeVice Independent]
PDF [Portable Document Format]
PS [Postscript]

EPS [Embedded Postscript]
MPS [MetaPost]
PSTricks [Tex/LaTeX]
TIKZ-PGF [Tex/LaTeX]

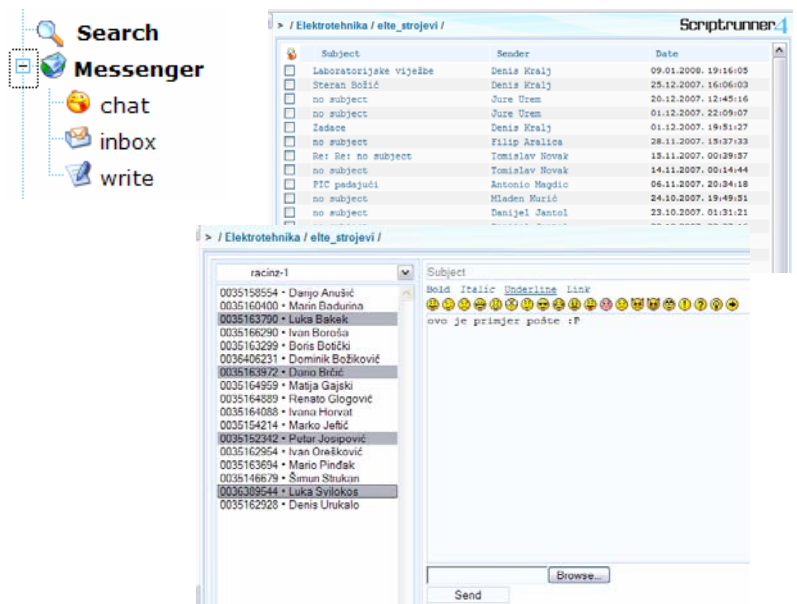
GIF [Graphics Interchange Format]
PNG [Portable Network Graphics]

To save file: Right Click "Save Target As/Save Link As"



- FLV, MP3 on-line player

- Messenger



11. Studentski karton

- domaće zadaće
- vježbalice
- kolokviji/ispiti
- lab. vježbe
- ankete
- izvješća
- pristup svakom studentskom uzorku

http://scriptrunner.fsb.hr - New Page 1 - Mozilla Firefox

Student: Tomislav Baček

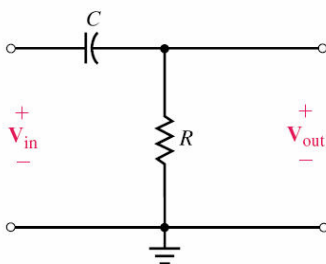
Kolegij	Ime zadatka	Naslov	Broj pokušaja	% riješio	Last attempt	
Elektrotehnika	5. domaća zadaća	Načelo rada električnih strojeva	1	100	05.02.2008. 10:19:22	See
Elektrotehnika	5. domaća zadaća	Digitalni sklopovi	1	100	19.01.2008. 22:29:42	See
Elektrotehnika	5. domaća zadaća	Operacijsko pojačalo	4	100	23.01.2008. 17:20:48	See
Elektrotehnika	4. domaća zadaća	BJT	15	100	08.01.2008. 20:02:42	See
Elektrotehnika	4. domaća zadaća	FET	3	100	03.01.2008. 19:47:25	See
Elektrotehnika	4. domaća zadaća	Dioda	18	100	30.12.2007. 23:51:57	See
Elektrotehnika	3. domaća zadaća	FILTRI	3	100	20.11.2007. 20:25:12	See
Elektrotehnika	3. domaća zadaća	Laplace-ova transformacija	4	100	21.11.2007. 15:36:48	See
Elektrotehnika	3. domaća zadaća	Prijelazne pojave	14	100	22.11.2007. 10:51:39	See
	Mješoviti izmjenični				12.11.2007	

http://scriptrunner.fsb.hr - New Page 1 - Mozilla Firefox

Kolegij: **Elektrotehnika**
 Ime zadatka: **3. domaća zadaća**
 Naslov: **FILTRI**
 Pokušaj 3 od maksimalno 20
 Zadatak je dostupan do uključivo: 02.12.2007.

3.3. Projektirajte visokopropusni CR filter zadan slikom, kojemu će granična frekvencija biti

$f_c = 45 \text{ kHz}$, uz $C = 4 \text{ nF}$.



Odredite otpor $R = 0.88 \text{ k}\Omega$

U slučaju tako projektiranog filtra:

a) Za $\omega = 0.40 \omega_c$ odredite naponsko pojačanje $A_v = -8.63 \text{ dB}$ i fazni pomak $\theta = 67.31^\circ$

b) Za frekvencije $\omega \gg \omega_c$ (tj. frekvencije puno veće od granične) naponsko pojačanje bit će jednako 0 dB , a fazni pomak bit će jednak 0° .

Close

71	Tomislav Šestanec	No complete	0035165134	mechob-1	1,64	13	20.11.2007. 18:02:42	See
72	Herivoje Žarko	No complete	0035165176	induz-2	1,46	2	20.11.2007. 22:02:51	See
73	Duško Žarković	No complete	0035159749	induz-2	1,82	6	06.11.2007. 05:00:44	See
74	Željko Žanaboski	No complete	0035157770	induz-2	1,107	6	20.11.2007. 09:32:19	See

Neriješeno

Redni broj	Ime studenta	Complaint	JMBAG	Grupa	Tip	Broj pokušaja	% riješio	Last attempt	
1	a.a	See complaint		test	1,1	1	0	20.11.2007. 20:05:20	See
2	Filip Aralica	No complete	0035161936	brod	1,92	8	0	20.11.2007. 16:22:16	See
3	Igor Avrović	No complete	0035159002	proizv-2	1,23	5	60	20.11.2007. 01:40:03	See
4	Bleska Aljoša	No complete	0035155344	brod	1,90	-	-	21.11.2007. 20:22:43	See

ili zadatak s netočnim odgovorima:

Odredite otpor $R = 2.27 \text{ k}\Omega$

U slučaju tako projektiranog filtra:

a) Za $\omega = 0.40 \omega_c$ odredite naponsko pojačanje $A_v = 0.371 \text{ dB}$ i fazni pomak $\theta = 13^\circ$
 Correct answer: -8.60

b) Za frekvencije $\omega \gg \omega_c$ (tj. frekvencije puno veće od granične) naponsko pojačanje bit će jednako 0 dB , a fazni pomak bit će jednak 0° .

Close

- trenutačni rezultati kolokvija/ispita

My_Files / MathOS / RacNet-2008_kolokvij1 /

Exam name: **RacNet-2008_kolokvij1**
 Choose a task...

Show exam
 Edit exam data
 Exam activation
 Show exam statistics
 Report!

Web exams ver. 1.2 (August 2007.)

Exam name: RacNet-2008_kolokvij1 Sort by: no. of points

Max. attainable points: 113

Student	No. of points	Grade
<input type="checkbox"/> Pein Boris	97	5
<input type="checkbox"/> Stubičar Ana	92	4
<input type="checkbox"/> Lulić Emina	89	4
<input type="checkbox"/> Drmić Danijel	81	3
<input type="checkbox"/> Džanak Davor	81	3
<input type="checkbox"/> Dukić Dunja	81	3
<input type="checkbox"/> Galamboš Ivan	81	3
<input type="checkbox"/> Ivanković Iva	81	3
<input type="checkbox"/> Rohtek Martina	81	3

12. ... a sve ostalo će vam se nadodati

- *Scriptrunner* nije open-source, makar je iz njega nastao
- *Scriptrunner* je otvorena ponuda za dobru suradnju
- Razvija se u grupi J&C već 7 godina
- S člancima na konferencijama proveli divne dane u Luganu, Barceloni, 2 x Beču, Budimpešti, a sad se nadamo i Pragu :)

Sto se tice popularizacije *Scriptrunner*-a, imam dobre kontakte tu u nekoliko sveucilista (Oxford, Southampton, Birmingham, ...) pa kad vec budete spremni s nekim materijalom koji se moze poslati, svakako cu Vas povezati s tim kolegama.

- Osim u nastavi, *Scriptrunner* se širi na industrijsko (Strategic research group Rolls – Royce u London/Derby) i humanističko područje (Staroslavenski institut, Psihologija FFZG, Nac. baština Zadar i sl.)



Lijevo:

- *Anđelko Katalenić, student (FER)*
- *Bojan Mauser, dipl. inž. strojarstva (CARNet)*
- *Antonio Magdić, dipl. inž. strojarstva (Staroslavenski institut)*

Desno:

- *Teodor Tomić, student (FSB)*
- *Doc.dr.sc. Ivica Nakić (PMF)*
- *Tihomir Žilić (FSB)*

