

Innovation and Knowledge Management towards eStudent Information System - iKnow

University "Sts. Cyril & Methodius" Fac. of Information Sciences and Computer Engineering



Server infrastructure and security

- The first server is used as SQL server with Microsoft SQL Server installed
- The second is used as an application server. The system is upgraded by installing 4 virtual Windows servers using VMware.
 Both servers have an intel xeon e5630 2.56 GHz cpu and 16GB of RAM, 1 TB storage.
- A digital certificate was installed to encrypt all the communication

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Benefits from the MVP pattern

- Software bugs were relatively low in number.
- The bugs were rather easy to correct.
- Increased productivity due to code reuse.
- The project development speed increased
- Easily integrating different interfaces.
- One of the drawbacks of using the MVP is the added complexity.

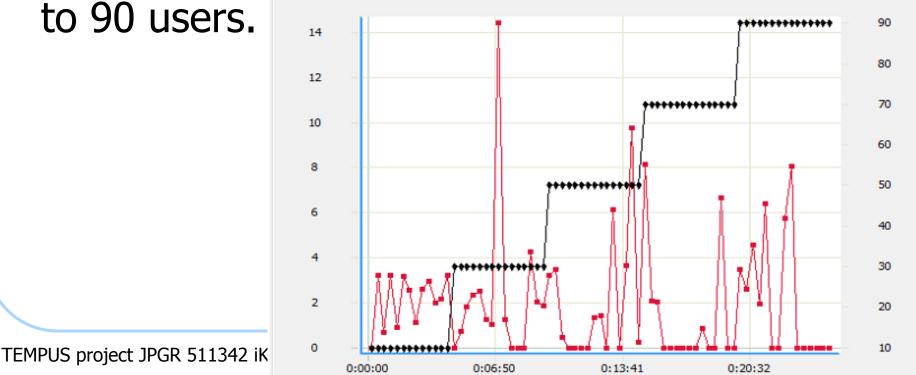
Another drawback of the pattern is the longer

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Performance tests

 Tool capable of simulating multiple users (WAPT 7.1 http://www.softlogica.com/). The test lasted for 25 minutes, starting from 10 up





Usage statistics

- 691 students enrolled in September 2011
- 6086 students enrolled in September 2012 (9159 applied)
- 5516 courses migrated in the system.
- 19387 exam applications made by students
- 49299 exam grades were migrated / entered
 9220 semester enrolments were migrated 43713 course enrolments were migrated



За плаќање: 6150.00 | Платено: 6150.00

• Велинов Горан

• Михова Марија

Чорбев Иван

Арменски Гоци

Изберете

fin113001/2011 Александар Алексовски Редовен|Студии за примена на е-технологии ЕКТС 12,00 просек(7,50)

• Статус: валиден •

Предмет

1 🗙 Архитектура и организација на

2 🗙 Бизнис и менаџмент системи

4 🗙 Напреден развој на софтвер

Компјутерски компоненети (2 сем, 6,00 кр.) Бази на податоци (4 сем, 6.00 кр.)

Оперативни системи (4 сем, 6,00 кр. Деповна пракса (8 сем, 600.00 кр.)

Дипломска работа (8 сем, 800,00 кр

3 X Дискретна математика 2

5 Х Веб дизаін

Курсеви

Плаќања на сем

Кредити: 30.00 / 33

Група 4

Изберете

Група 4

Група 4

Група 4

Стату

>>

6,00 Зад

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6.00 3an

6.00 Зад

6.00 M36.

User interface

- Agile development :
 - changing requirements
 - user satisfaction.
- Users demanded features:
 - grouping of functionalities on fewer forms

Известувања
 Планер
 Студенти
 Преглед
 Нов студент

Пријави

Оценки(Индекс

Распределба

• Студии

Распореди

Оценки (Импорт

Оценки(Пријавени

Летен (2011/ 2012

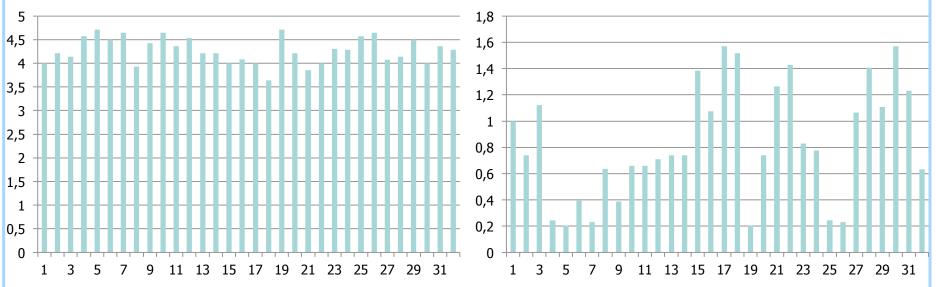
Запишани предмети

- Screen size and resolution (conflicting)
- Simplicity and impossible to make an error
- Automation of processes

	ЛЕКСАНДАР АЛЕКСОВСКИ Редовен(Студии за примена на е-технологии ЕКТС 12,00 просек(7,50)										
	эместри	и Предмети Пријави	Испити	Курсеви Дипломска	Плаќања на семестри	Трансакции	Емаг	_	T		
	Избер	Изберете семестар 💽 Студии за примена на е-технк 💌 Државна Квота-Редовен (20 💌 @Редовен Документи Забелеш							Код 8101	Предмет Вовед во Интернет	Потпис Добива
Посерено селисотар								2	1100	Концепти за развој на софтвер	Не добива
								3	1101	Основи на софтверско инженерство	Добива
TEMPUS project JPGR 511342 iK	#	Семестар	Насока	Квота	Забелешка	Студ.Ком.	Сум	4	1102	Дискретна математика 1	Добива
	(1)	🖍 🗙 🛛 Летен(2011/2012)	NET(2011)	Државна Квота- Редовен(2010)			6.150	5	1103	Професионални вештини	Добива
	2 /	🖍 🗙 🗵 Зимски(2011/2012))NET(2011)	Државна Квота- Редовен(2010)			6.150,0	6.1	50,00) Ред. 💙 🛛 50,00	6.04.2012



User interface evaluation



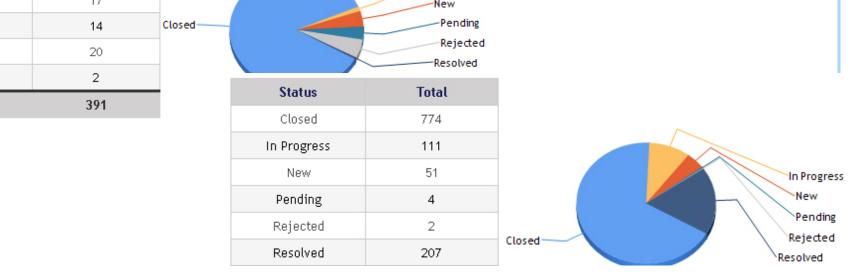
- Average grades given by the users (15 responded) in the questionnaire,
- b) b) Variance of average grades given by the users in the questionnaire

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Evaluation of the software European Commissior TEMPUS implementation Status Total Closed 333 In Progress 5 In Progress 17 New. New Pending Pending 14 Closed Rejected Rejected

Resolved

TOTAL

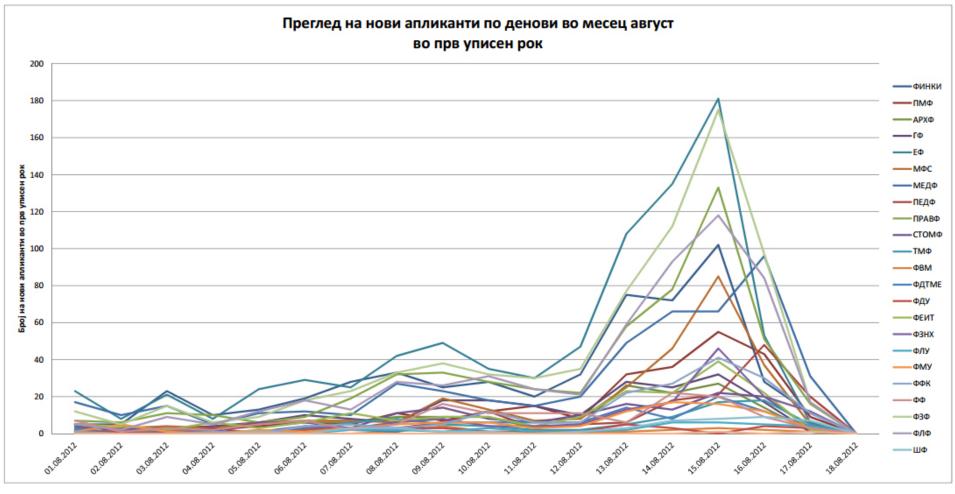






9

Overview of new enrollments applicants per day in August

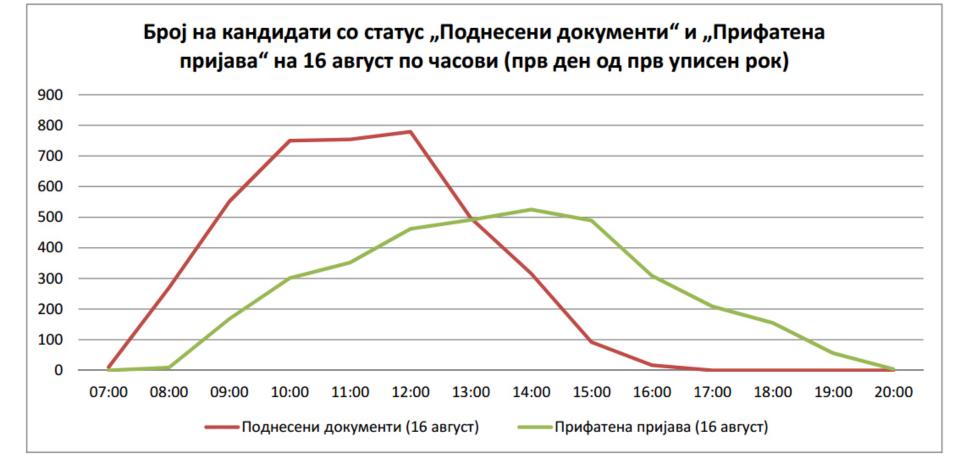


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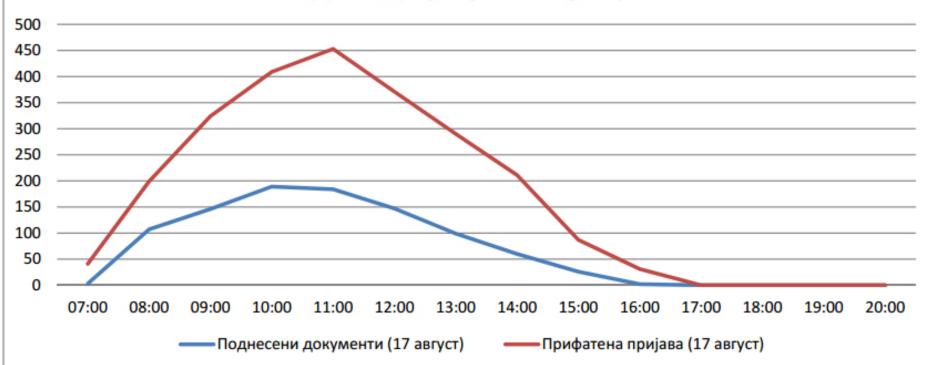
"Deposited documents" and "Accepted applications" status changes during August 16th





"Deposited documents" and "Accepted applications" status changes during August 16th

Број на кандидати со статус "Поднесени документи" и "Прифатена пријава" на 17 август по часови (прв ден од прв уписен рок)





Questionnaire(1)— answers 1,2,3,4,5

• Accessibility

- How do you judge the information about the launch and the training you received?
- How do you access the process of registration?
- Does your browser display all information correctly?
- Is site load time appropriate to content and response?

Layout

- Text-to-background contrast
- Is the font size and style easy to read?
- Does the site have a consistent look and feel?
- If you have a disability regarding your eyesight: Is the content readable?
- Is the label location and format consistent?

Navigation

- Are the major parts/menus of the site directly accessible from the main page
- Are the navigation labels clear and descriptive?
- Is the workflow navigation consistent and easy to identify?
- Is the respective location within the process (site) transparent?
- Is the site search easy to access?
- Is the exit point clear on each page?
- Does it require minimal steps in sequential menu selection

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Questionnaire(2) – answers 1,2,3,4,5

Exception and status handling

- Are the messages regarding status clear and descriptive?
- Are the messages regarding exceptions/errors clear and descriptive?
- Position of messages on screen is good

• User guidelines and online help

- Is the site designed to require minimal help and instructions?
- Is the help and instruction information easily accessible?
- Is there an easy channel available to communicate with an administrator?

• LEARNING

- Easy to learn to operate the system
- Easy to explore new features by trial and error
- Easy to remember names and use of commands

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Questionnaire(3) – answers 1,2,3,4,5

- Quality and structure of information
- Content and Efficiency (refers to all information i.e. field explanations, order of fields)
 - Is the content understandable?
 - Is the content well structured and correlates to your requirements?
 - How do you evaluate the support of the system?
 - Do you observe an increase in efficiency?
 - Does the system provide a sufficient number and quality of reports?
 - It is easy to use.
 - What is your overall evaluation of the system?
 - Do you have any further comments?



The customization is ongoing

• Yet more user requests

- Two-semester courses
- Changes in the enrollment procedures
- Reporting
- Live and changing system