



iKnow *Core Module and Functionalities*

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Presentation contents

- Document content
 - Goals
 - Existing systems
 - Users
 - Overview of functionalities
 - User interface
 - Diagrams
 - Data model

Goals

- Manage large number of student details
- University data and management
- Conform to changing legal requirements
- Various user accounts
- **Students and staff to take proactive role**
- Updated and available data
- Create statistical reports

Existing systems

- UKIM
- UKLO
- FON
- EURM
- SEEU
- UGD

CMF Document contents (1)

- CORE MODULE AND FUNCTIONALITIES
 - (SCH) Module for study programs and schedules
 - (SAM) Student activities module
 - (ADM) Module for the administration
 - (ACR) Module for administration of academic results
- REFERENCED DOCUMENTS
- GENERAL OVERVIEW

CMF Document contents (2)

- Reporting
- Users
- Functionalities
- Non functional requirements
- UML diagrams
 - Use case diagrams
 - Activity diagrams
 - Sequence diagrams

CMF Document contents (3)

- USER INTERFACE
- DATA MODEL
- MASTER DATA
- BUSINESS RULES

Users

- User groups
- Large number of users
- Different access rights
- Roles
 - Predefined
 - Online configuration of access rights

Functionalities (1)

- Administration of students data
- Administration of the student semesters
- Administration of students courses
- Administration of student exam applications
- Administration of student's exams

Functionalities (2)

- Administration of diploma thesis
- Administration of exam terms
- Administration of semesters
- Administration of quotas and tuition prices
- Administration of courses in programs
- Administration of courses
- Administration of programs

Functionalities (3)

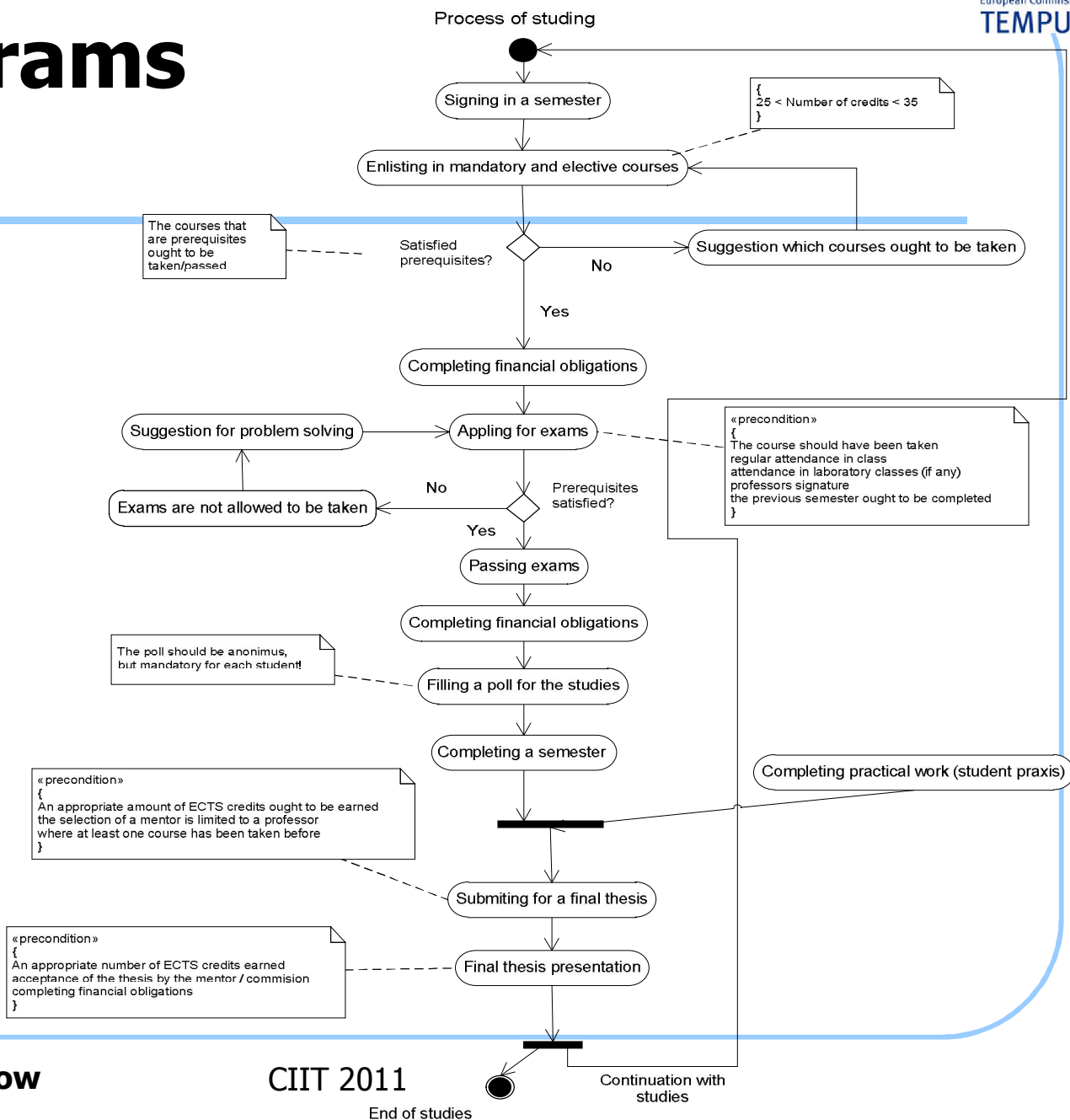
- Administration of program revisions
- Administration of members of the faculty
- Administration of student mobility
- Administration of Master thesis
- Issuing documents
- Issuing news and announcements
- Administration of financial services

Functionalities (4)

- Administration of lookup data
- Administration of class schedule
- Administration of faculties
- Administration of student sign outs
- Retrieval of enrolment data
- Administration of seminar thesis

UML diagrams

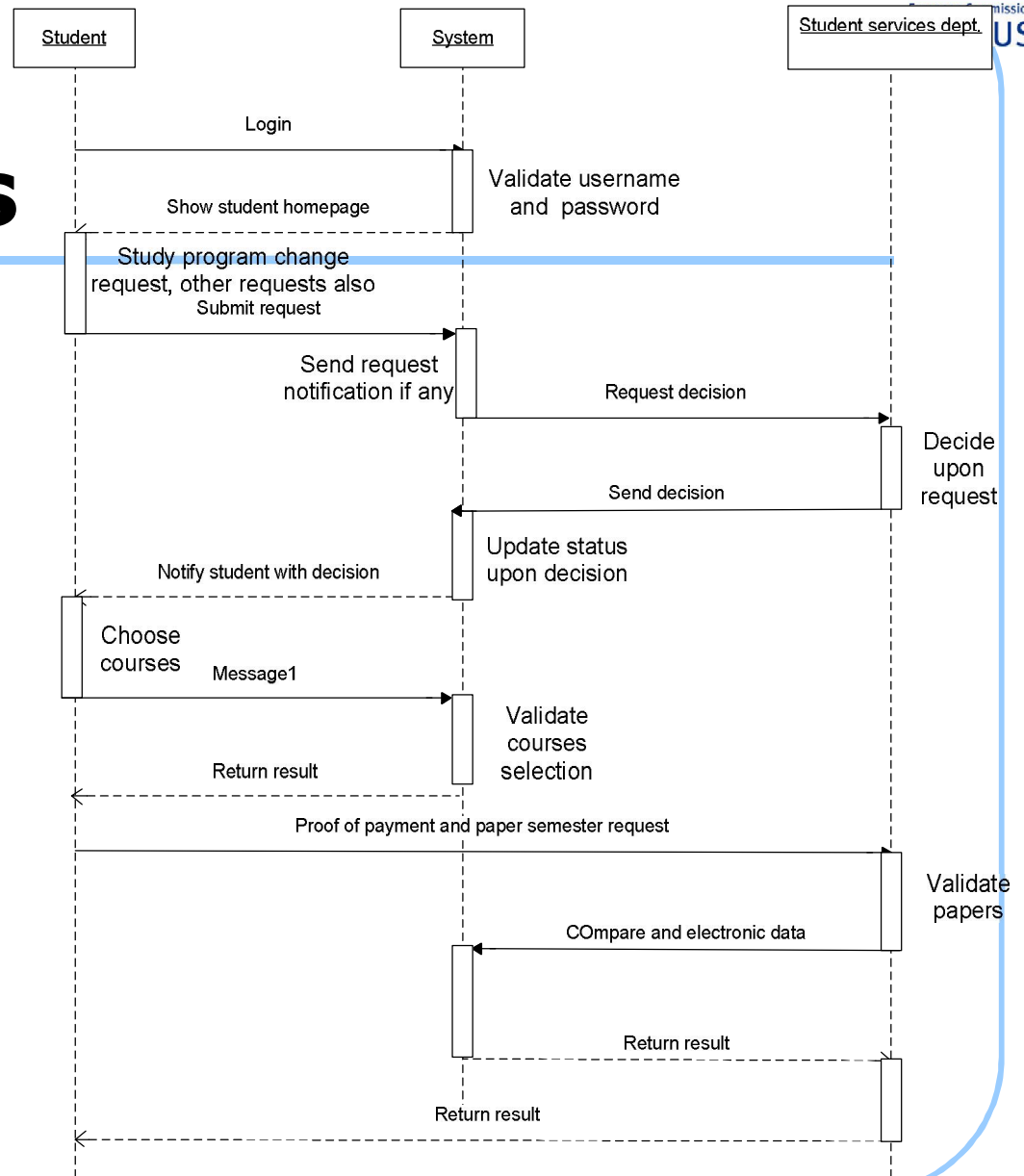
● Activity





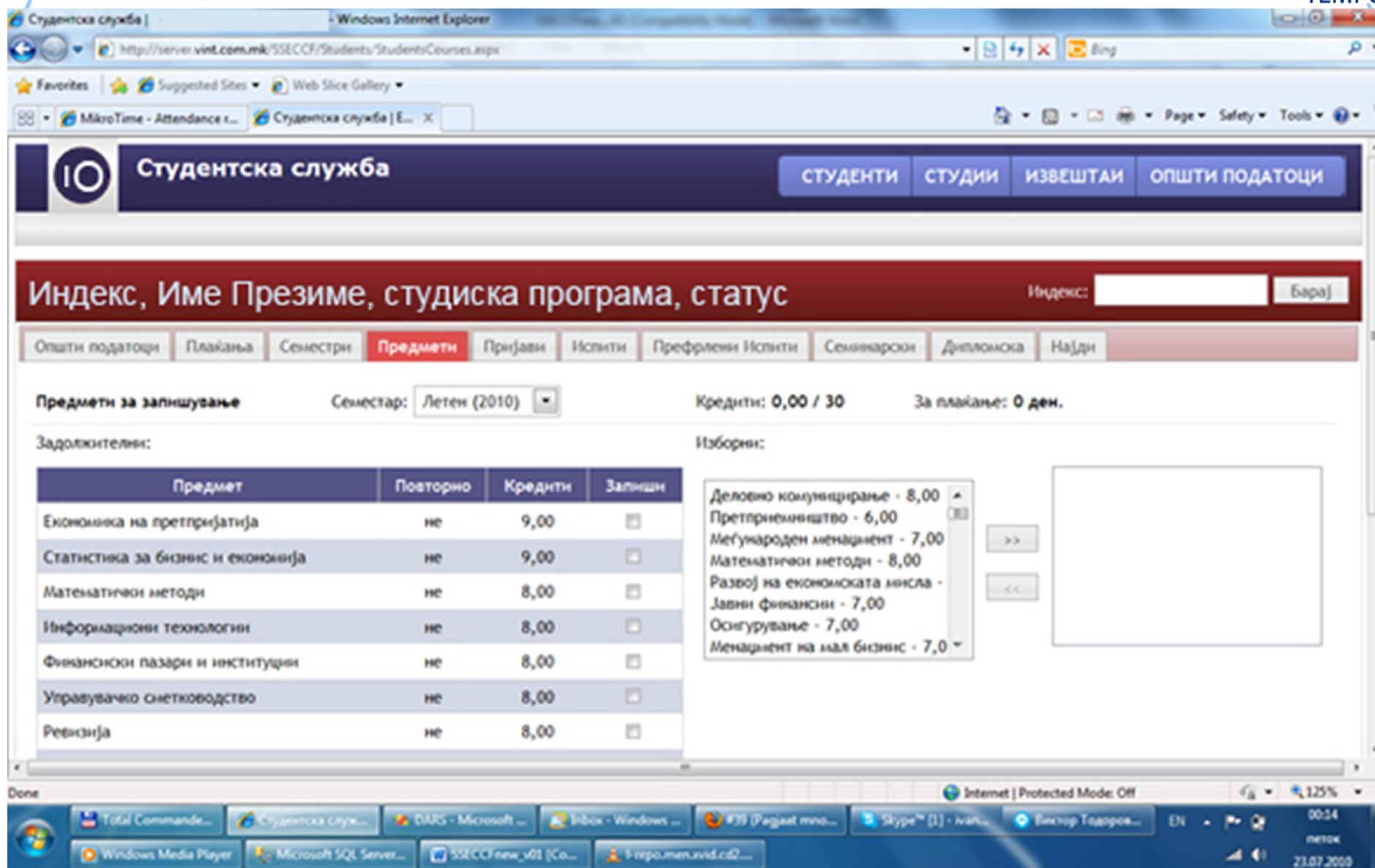
UML diagrams

- Sequence



User interface

- User friendly
- Optimized for fast work
- Optimized for clarity and intuitiveness
- Context dependent help
- AJAX



Студентска служба | Windows Internet Explorer
 http://server.vint.com.mk/SSECCF/Students/StudentsCourses.aspx

Студентска служба

СТУДЕНТИ | СТУДИИ | ИЗВЕШТАИ | ОПШТИ ПОДАТОЦИ

Индекс, Име Презиме, студиска програма, статус

Индекс: Барај

Општи податоци | Плаќања | Семестри | Предметн | Пријави | Испити | Префрлени Испити | Семинарски | Дипломака | Најди

Предметн за запишување Семестар: Летен (2010) Кредити: 0,00 / 30 За плаќање: 0 ден.

Задолжителни:

Предмет	Повторно	Кредити	Запиши
Економика на претпријатија	не	9,00	<input type="checkbox"/>
Статистика за бизнис и економија	не	9,00	<input type="checkbox"/>
Математички методи	не	8,00	<input type="checkbox"/>
Информациони технологии	не	8,00	<input type="checkbox"/>
Финансиски пазари и институции	не	8,00	<input type="checkbox"/>
Управувачко сметководство	не	8,00	<input type="checkbox"/>
Ревизија	не	8,00	<input type="checkbox"/>

Изборни:

- Деловно комуницирање - 8,00
- Претприемништво - 6,00
- Меѓународен менаџмент - 7,00
- Математички методи - 8,00
- Развој на економската мисла - 7,00
- Јавни финансии - 7,00
- Осигурување - 7,00
- Менаџмент на мал бизнис - 7,0

Data model

- Description of data to be stored
- Functionalities
- Constraints
- Business rules and access rights
- Relations

Data model example: Courses

Functionality

- List**: Provide a list of all courses that the students can take.
- Search** for courses according to names, study program, cycle, semester, credits, etc.
- Maintain** the list of courses.
- Auditing**: All changes to courses are logged.

Fields

Courses			
Field	Description	Type	Possible Values
Name	Name of the course	Selection, Single	Stored list in the database
Study Program	The study programs that the course is applicable to	Selection, Multiple	Stored list in the database
Mandatory	Is the course mandatory or optional in each study program that the course is listed	List	True/false
Semester	The semester that the course is taught in each of the study programs where it is listed	List	Numbers
Semesters	The number of semesters the course is taught	Number	
Credits	Number of ECTS credits	Number	
Faculty	The faculty that the course is associated to	Text / ID	Stored in the database
Study cycle	In which study cycle the course is taught	Selection, Single	1, 2, 3
Lessons	Weekly number of classes	Text	

Business rules and access rights

- Administrators, student services clerks (for their faculty only) can read and change all data.
- The system should allow definition of equivalence (compatibility for recognition) of courses from previous programs of study subjects with the current study programs.
- In the system, multiple teachers can teach one course
- In the system, one course belongs to one or more study programs.

Discussion
