

Enrollments

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INTRODUCTION

- repository:
<https://gitlab.mff.cuni.cz/machhy/nswi130-architektury-softwarovych-systemu>
- enrollments by:
 - students
 - teachers
 - administrative workers
- statistical analysis



Feature I - student enrolls

User story

- Student opens the list of courses
- Chooses the course to enroll in
- Chooses the enrollment form (time and day)
- System checks the requirements.
- System shows the result of the validation (either positive or negative)
- Student is enrolled to the course and leaves

Responsibilities

- showcase + filtering of all available subjects
- getting input from user
- validation of the conditions
- writing down the result to database
- logging the result
- present the result



Feature II - teacher enrolls students

User story

- Teacher opens the list of courses he teaches
- Chooses the course to enroll in
- Chooses the option to “add student”
- Teacher fills in the student
- System validates the conditions
- System shows the result of the validation to the teacher (either positive or negative)
- System informs the student

Responsibilities

- showcase + filtering of all available subjects based on teacher
- getting input from user
- validation of the conditions
- writing down the result to database
- logging the result
- present the result
- inform the student about the enrollment



Feature III - student drops a course

User story

- Student displays the list of enrolled courses
- Chooses the course to drop
- System validates the conditions
- System shows the result of the validation to the student (either positive or negative)

Responsibilities

- showcase + filtering of all enrolled subjects
- getting input from user
- validation of the conditions of withdrawal
- lookup of all connected enrollment forms
- writing down the result to database (including the connected enrollment forms)
- logging the result
- present the result



Feature IV - admin. worker - statistics

User story

- Worker displays all possible filters
- Chooses the filters to apply
- Chooses to display results
- Different results appear (graph, tables,...)

Responsibilities

- log historic data (not only current state)
- get input from the user (filters)
- get historical data based on the filters
- preprocess the data
- show all the results to the user



Responsibilities grouping

	Statistics	Student: Enrolling / Unenrolling		Teacher: Enrolling / Unenrolling	
Presentation	<div>showing graphs</div> <div>data filtration</div>	<div>available courses</div> <div>enrolled courses</div>	<div>filters for courses</div>	<div>list of courses</div> <div>list of students</div>	<div>filters</div>
Application / Bussiness	<div>aggregative metrics</div> <div>creaation of graphs, tables,...</div>	<div>choice of course form</div>	<div>confirmations of actions</div>	<div>confirmations of actions</div>	<div>choice of group of students</div>
		<div>mapping course forms to students</div>			<div>apply changes to all selected students</div>
Infrastructure / Persistence	<div>integration with the other parts of system</div>	<div>validation of the enrollment</div>	<div>validation of the unenrollment</div>	<div>validation of student conditions</div>	<div>validation of the teacher's rights</div>
		<div>integration with the other parts of system</div>	<div>list all subjects</div> <div>change database</div>	<div>integration with the other parts of system</div>	<div>list all subjects/dtudents</div> <div>change database</div>
		<div>email alerts</div>		<div>email alerts</div>	
		<div>persistent log</div>		<div>persistent log</div>	



C4 work division

L1 - Hynek Mach, Zuzana Černohousová

L2 - Hynek Mach, Zuzana Černohousová, Anna Kmentová

L3 - Hynek Mach, Anna Kmentová

Deployment diagram - Patrícia Sotáková

Dynamic diagram - Zuzana Černohousová

Documentation - Patrícia Sotáková, Hynek Mach

Thank you

