

Enrollments

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INTRODUCTION

- repository:
[https://gitlab.mff.cuni.cz/machhy/nswi130-architektury-softwarowych-
systemu](https://gitlab.mff.cuni.cz/machhy/nswi130-architektury-softwarowych-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

Responsibilites

- 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	showing graphs data filtration	available courses enrolled courses choice of course form mapping course forms to students	list of courses list of students confirmations of actions choice of group of students apply changes to all selected students
Application / Bussiness	aggregative metrics creation of graphs, tables,....	validation of the enrollment validation of the unenrollment	validation of student conditions validation of the teacher's rights
Infrastructure / Persistence	integration with the other parts of system	integration with the other parts of system list all subjects change database email alerts persistent log	integration with the other parts of system list all subjects/students change database email alerts persistent log



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

