

## ADVANCED JAVA 1 FINAL PROJECT

The final project is a teamwork. Each team has 4-5 students. All students must be involved in programming. The maximum score is 100. The deadline is the 9<sup>th</sup> of November. You must submit zip file containing your project and txt file with url to your GitHub repository. The defense is obligatory. During defense any team member maybe asked questions related to any part of the project. The defense lasts 20-30 minutes in a group call involving all team members. Student who refused to defend gets 0.

### Task description

You need to develop a university portal for students only. The intranet requires login and give access to internal services for students and has administrator privileges. It shows, allows to add, allows to edit and allows to delete university clubs, events and news. The system shows clubs, events and news for any authorized student, but allows to add, edit and delete only for administrator of the portal, creator or moderator of the club, event or news respectively. Shows list of all students divided into groups, major and year. So that it is possible to find all students of particular group, all students and groups of particular majors, all students, groups and majors of particular year or just find a student by first name, last name or email.

The items are assessed according to quality. Example: having only one ajax or one session method decreases the item weight.

### Functional requirements (each function 10 points)

authorization (log-in, log out)	club (show, add, edit, delete)	event (show, add, edit, delete)	news (show, add, edit, delete)	find students (show all, show one, show by group, show by major, show by year)
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### Item requirements (each item 5 points)

html/css web and mobile template	ajax	jdbc	Collections (at least three different)	OOP (inheritance, polymorphism, encapsulation)
jstl	custom generics	sessions	cookies	web service

### Late submissions:

From 0 seconds to 24 hours: - 20 points

24 hours – 48 hours: - 40 points

More than 48 hours: - 60 points