

## GradeBook REST API

HTTP Methods	CRUD	URI	Action	REST Service
<b>Authentication</b>				
GET	Read	/api/v1/users/check	Returns user ID, email and role if users credentials are OK	UsersFacadeREST
<b>Administrator Access Level</b>				
POST	Create	/api/v1/groups	Creates a new group	AcademicGroupFacadeREST
PUT	Update	/api/v1/groups/{group_id}	Updates group	AcademicGroupFacadeREST
DELETE	Delete	/api/v1/groups/{group_id}	Deletes group	AcademicGroupFacadeREST
GET	Read	/api/v1/groups/{group_id}	Returns a group by ID	AcademicGroupFacadeREST
GET	Read	/api/v1/groups	Returns list of all groups	AcademicGroupFacadeREST
POST	Create	/api/v1/administrators	Creates a new administrator	AdminFacadeREST
PUT	Update	/api/v1/administrators/{administrator_id}	Updates administrator	AdminFacadeREST
DELETE	Delete	/api/v1/administrators/{administrator_id}	Deletes administrator	AdminFacadeREST
GET	Read	/api/v1/administrators/{administrator_id}	Returns an administrator by ID	AdminFacadeREST
GET	Read	/api/v1/administrators	Returns list of all administrators	AdminFacadeREST
POST	Create	/api/v1/departments	Creates a new department	DepartmentFacadeREST
PUT	Update	/api/v1/departments/{department_id}	Updates department	DepartmentFacadeREST
DELETE	Delete	/api/v1/departments/{department_id}	Deletes department	DepartmentFacadeREST
GET	Read	/api/v1/departments/{department_id}	Returns a department by ID	DepartmentFacadeREST
GET	Read	/api/v1/departments	Returns list of all departments	DepartmentFacadeREST

POST	Create	/api/v1/faculties	Creates a new faculty	FacultyFacadeREST
PUT	Update	/api/v1/faculties/{faculty_id}	Updates faculty	FacultyFacadeREST
DELETE	Delete	/api/v1/faculties/{faculty_id}	Deletes faculty	FacultyFacadeREST
GET	Read	/api/v1/faculties/{faculty_id}	Returns a faculty by ID	FacultyFacadeREST
GET	Read	/api/v1/gradebooks	Returns list of all faculties	FacultyFacadeREST
POST	Create	/api/v1/gradebooks	Creates a new gradebook	GradebookFacadeREST
PUT	Update	/api/v1/gradebooks/{gradebook_id}	Updates gradebook	GradebookFacadeREST
DELETE	Delete	/api/v1/gradebooks/{gradebook_id}	Deletes gradebook	GradebookFacadeREST
GET	Read	/api/v1/gradebooks/{gradebook_id}	Returns a gradebook by ID	GradebookFacadeREST
GET	Read	/api/v1/gradebooks	Returns list of all gradebooks	GradebookFacadeREST
POST	Create	/api/v1/lecturers	Creates a new lecturer	LecturerFacadeREST
PUT	Update	/api/v1/lecturers/{lecturer_id}	Updates lecturer	LecturerFacadeREST
DELETE	Delete	/api/v1/lecturers/{lecturer_id}	Deletes lecturer	LecturerFacadeREST
GET	Read	/api/v1/lecturers/{lecturer_id}	Returns a lecturer by ID	LecturerFacadeREST
GET	Read	/api/v1/lecturers	Returns list of all lecturers	LecturerFacadeREST
POST	Create	/api/v1/semesters	Creates a new semester	SemesterFacadeREST
PUT	Update	/api/v1/semesters/{semester_id}	Updates semester	SemesterFacadeREST
DELETE	Delete	/api/v1/semesters/{semester_id}	Deletes semester	SemesterFacadeREST
GET	Read	/api/v1/semesters/{semester_id}	Returns a semester by ID	SemesterFacadeREST
GET	Read	/api/v1 semesters	Returns list of all semesters	SemesterFacadeREST
POST	Create	/api/v1/students	Creates a new student	StudentFacadeREST
PUT	Update	/api/v1/students/{student_id}	Updates student	StudentFacadeREST
DELETE	Delete	/api/v1/students/{student_id}	Deletes student	StudentFacadeREST
GET	Read	/api/v1/students/{student_id}	Returns a student by ID	StudentFacadeREST

GET	Read	/api/v1/students	Returns list of all students	StudentFacadeREST
POST	Create	/api/v1/tasks	Creates a new task. Initializes student grades and attendances.	TaskFacadeREST
PUT	Update	/api/v1/tasks/{task_id}	Updates task	TaskFacadeREST
DELETE	Delete	/api/v1/tasks/{task_id}	Deletes task	TaskFacadeREST
GET	Read	/api/v1/tasks/{task_id}	Returns a task by ID	TaskFacadeREST
GET	Read	/api/v1/tasks	Returns list of all tasks	TaskFacadeREST
GET	Read	/api/v1/users	Returns list of all users	UsersFacadeREST
<b>Lecturer Access Level</b>				
GET	Read	/api/v1/gradebooks	Returns a list of groups and associated with them gradebooks, which are accessible by current user. Recognises user via @HeaderParam	GradebookFacadeREST
POST	Create	/api/v1/gradebooks	Creates a new gradebook	GradebookFacadeREST
GET	Read	/api/v1/gradebooks/{gradebook_id}	Returns gradebook details	GradebookFacadeREST
GET	Read	/api/v1/semesters	Returns list of semesters in current year and next one	SemesterFacadeREST
GET	Read	/api/v1/groups	Returns list of groups of faculty based on faculty of lecturer. Recognises lecturer via @HeaderParam	AcademicGroupFacadeREST
GET	Read	/api/v1/lecturers	Returns list of lecturer's colleagues based on their department. Recognises lecturer via @HeaderParam	LecturerFacadeREST
GET	Read	/api/v1/lecturers/{lecturer_id}	Returns a lecturer by ID	LecturerFacadeREST

GET	Read	/api/v1/groups/{academic_group_id}/semesters/{semester_id}/gradebooks/{gradebook_id}/tasks	Returns the tasks table with grades	TasksTableFacadeREST
GET	Read	/api/v1/groups/{academic_group_id}/semesters/{semester_id}/gradebooks/{gradebook_id}/attendance	Returns the attendance table	AttendanceTableFacadeREST
POST	Create	/api/v1/tasks	Adds a new tasks	TaskFacadeREST
GET	Read	/api/v1/tasks/{task_id}	Returns task details	TaskFacadeREST
PUT	Update	/api/v1/tasks/{task_id}	Updates the task	TaskFacadeREST
PUT	Update	/api/v1/students/{student_id}/tasks/{task_id}/grade	Adds/Updates grade	StudentGradeFacadeREST
PUT	Update	/api/v1/attendances/{attendance_id}	Adds/Updates attendance	StudentAttendanceFacadeREST
<b>Student Access Level</b>				
GET	Read	/api/v1/students/{student_id}	Returns a student by ID	StudentFacadeREST
GET	Read	/api/v1/groups/{academic_group_id}/semesters/{semester_id}/gradebooks/{gradebook_id}/tasks	Returns the tasks table with student's grades	TasksTableFacadeREST
GET	Read	/api/v1/groups/{academic_group_id}/semesters/{semester_id}/gradebooks/{gradebook_id}/attendance	Returns the student's attendance table	AttendanceTableFacadeREST
GET	Read	/api/v1/gradebooks	Returns a list of student's gradebooks	GradebookFacadeREST
GET	Read	/api/v1/gradebooks/{gradebook_id}	Returns gradebook details	GradebookFacadeREST
GET	Read	/api/v1/tasks/{task_id}	Returns task details	TaskFacadeREST