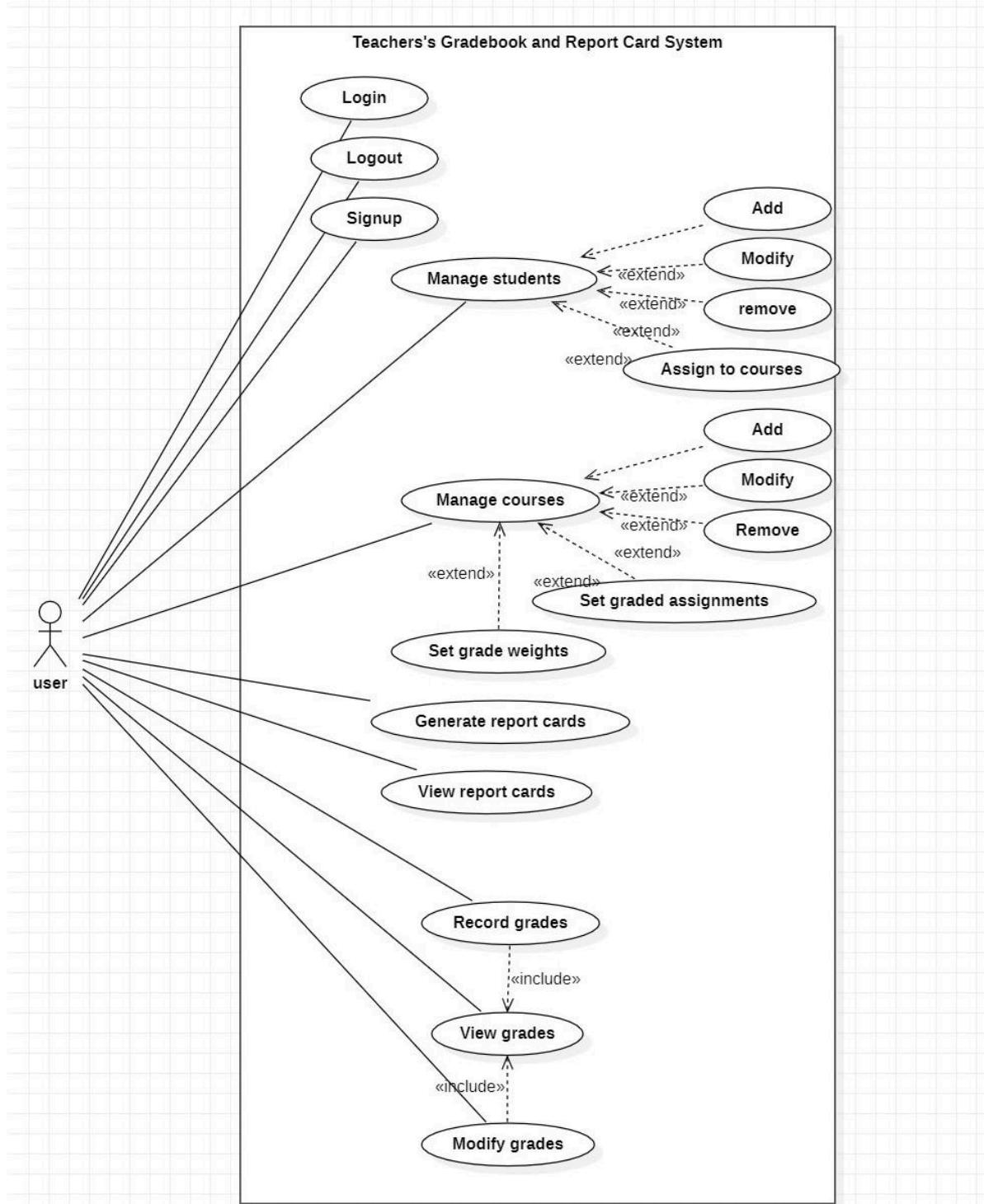


Exercise 1: Use Case Diagram - Teacher's Gradebook and Report Card System

- Veijo Kasanen
- Araz Muhammed
- Riku Kuikka
- Topi Ahola



Actors:

User

Represents teacher as a user. The teacher can use the gradebook and access the report card system (record grades, manage students, calculate grades, generate report cards etc.)

Use Cases & Actions:

Login

The teacher enters their credentials, username and password. The application verifies these credentials and grants the access to the teacher if they are correct

Logout

The teacher selects the logout option from the application. The system safely ends the current sessions and clears any active user data. In addition, the application redirects the teacher to the login screen.

Signup

The teacher creates a new account by entering the required information such as username, email and password. Once the account is created successfully, the teacher may login and access their gradebook and report card system.

Manage students

Manage students' grades and courses.

Add students

Add students into the system.

Modify students

Modify students information such as name and student ID.

Remove students

Remove a student from the system.

Assign to courses.

Assign students into courses.

Manage courses

Manage courses and their assignments

Add courses

Add courses into the system.

Modify courses

Modify course information.

Remove courses

Remove courses from the system.

Set graded assignments

The teacher can set graded assignments to courses.

Set grade weights

The teacher can set weights on the grading system.

Generate report cards

The system will generate report cards for each student, assignment, exam or project.

View report cards

The teacher can access calculated grades.

Record grades

The teacher can give a grade on assignment, exam or project.

View grades

The teacher can view each student's grades.

Modify grades

The teacher can modify each student's grades.