# 11C.04.04 – Hacked Hogwarts Student List



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Link to final solution:

http://huesaab.dk/kea/3.sem/01/hacked_hogwarts/index.html

Link to github repository:

https://github.com/kath423a/hacked_hogwarts

# Wireframes

## Hogwarts Student List

Category: **All**
Students displayed: **35**
Students not-expelled: **27**
Students expelled: **8**

Gryffindor · Hufflepuff · Ravenclaw · Slytherin
All students · Expelled · Non-expelled · Search…

| Harry | James | Potter | Boy | Gryffindor | Details |
|---|---|---|---|---|---|

### Student details modal

Firstname:
Middlename:
Lastname:
Nickname:
Blood status:
Student status:     Make Prefect     Expel Student
House:

### Warning! (one prefect)

Warning!

You can only have one prefect of each house.
Do you want to remove the other?

Remove

### Warning! (two prefects)

Warning!

There can not be anymore than two prefects.
Do you wish to remove one of the existing prefects?

Remove     Remove

# List of features

- (list) Show list of students
- (popup/modal) Click one student in the list to see details
- (filter) Filtering the list
  → By house (Gryffindor, Hufflepuff, Ravenclaw, Slytherin)
- (expelling) Expel students and add to new list
- (sorting) Sorting the list
  → By firstname, lastname, gender, house (a-z)

- (total count) Show number of students in each house and total students and expelled
- (hacking) Hacked Hogwarts
- (prefects) Student can be made/toggled as prefects
  → Only two pr. House and preferably a boy and girl
- (search) Search for students in the list
- (ing squad) Inquisitional squad
- (blood-status) Find the blood-status of each student

## User stories
- As an administrator I want to expel students, so I can manage students who misbehave
- As a developer I want to mix the blood-status, so I can mess with the purist administrators
- As an administrator I want to see who is prefect, so I can get a list of just the prefects
- As an administrator I want to be able to find students, so I don't have to look through the entire list
- As an admin I want to be able to sort students by first or lastname, so I can find a student easily

## A can/can't list
- (list) - ✓
- (popup/modal) - ✓
- (filter) - (list) - ✓
- (sort) -(list) - ✓
- (expelling) - ~,
- (prefects) - ~
- (search) - ÷
- blood-status) - ÷
- (inq squad) - ÷
- (hacking) - ÷
- (total count) - ~
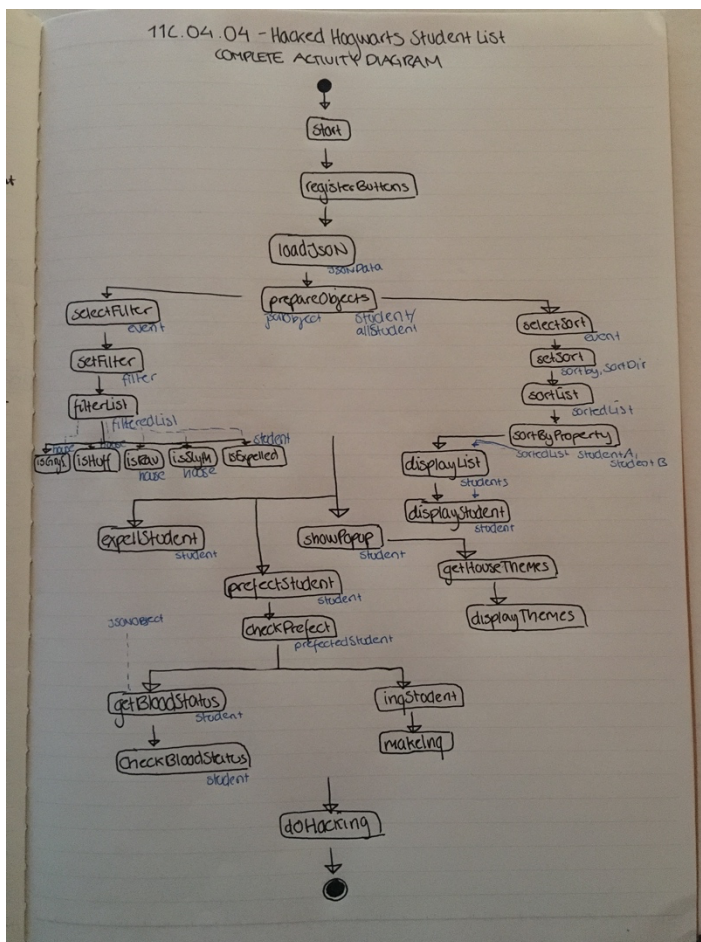
## Pseudocode
Expelling:
- //click on button "expel student" – addEventListener
- //expel the student by making new const and equal that to allStudents.indexOf(student)
- //create expelledStudent and splice allStudents
- //expelledList with unshift
- //call and add to the buildList()

Prefects:
- //make student prefect with if/else, true/false
- //create prefectedStudent = allStudents.filter

- //add length
- //check if there is another from same house with if/else
- //ask to remove or ignore
- //if ignore - do nothing
- //if remove other
- //ask the user to remove A or B student
- //show names on the buttons
- //if ignore – do nothing
- //if remove A
- //else if remove B
- //remove prefect
- //make student prefect with true

## Activity Diagram



## Student object properties
Screengrab of the student object:

```
const Student = {
  firstname: "",
  lastname: "",
  gender: "",
  house: "",
  middlename: "null",
  nickname: "null",
  bloodStatus: "null",
  image: "",
  expelled: false,
  prefect: false,
};
```

missing: blood-status: false, inq: false, ;


## Couldn't get to work:

- Search
- Bloodstatus
- Inq
- Hacking
- Themes