11C.04.04 – Hacked Hogwarts Student List

Et billede, der indeholder bord

Automatisk genereret beskrivelse

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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

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Automatisk genereret beskrivelse

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

Et billede, der indeholder tekst, whiteboard

Automatisk genereret beskrivelse

Student object properties

Screengrab of the student object:

Et billede, der indeholder tekst

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

Couldn’t get to work:

* Search
* Bloodstatus
* Inq
* Hacking
* Themes