

1st Theme project:

11C.04.04_HACKEDHOGWARTSSTUDENTLIST



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And in a collaboration with Siff Leva Jensen

http://sarajohanne.dk/kea/3.semester/1st_theme/11C.04.04_HackedHogwartsStudentList/index.html

https://sara345a.github.io/11C.04.04_HackedHogwartsStudentList/

https://github.com/sara345a/11C.04.04_HackedHogwartsStudentList.git

3rd semester, feb. 2021

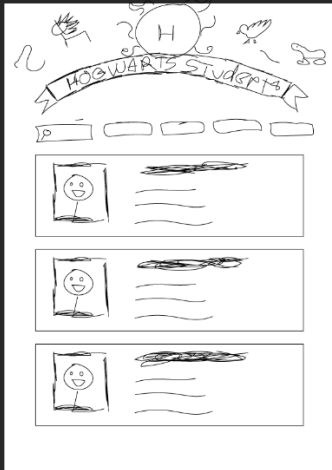
Frontend elective

Indholdsfortegnelse

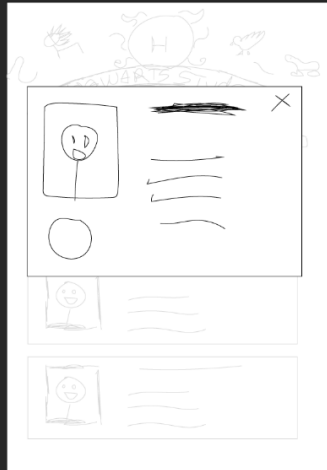
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Wireframe for the visual design - include all the dialog-boxes and modals!

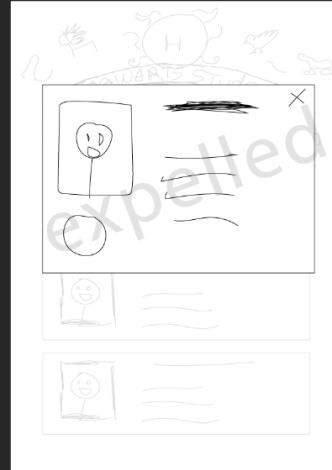
1st iteration



Frontpage – grid view

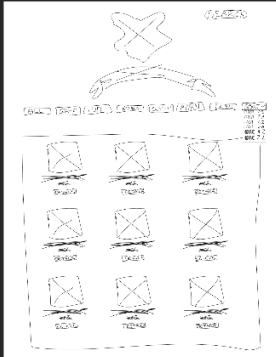


Popup view

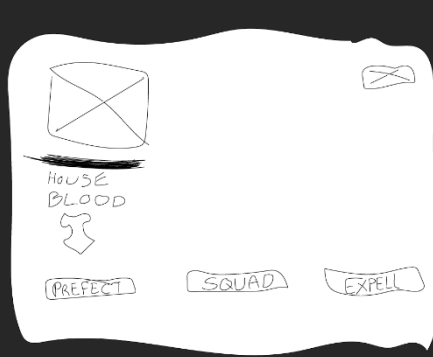


Popup view – student expelled

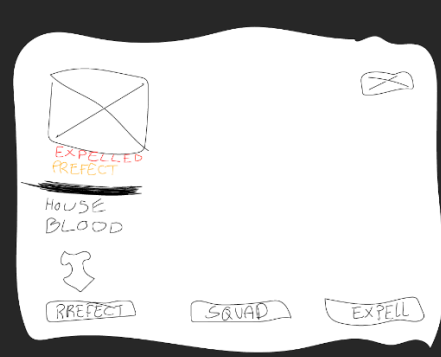
2nd iteration



Frontpage – grid view



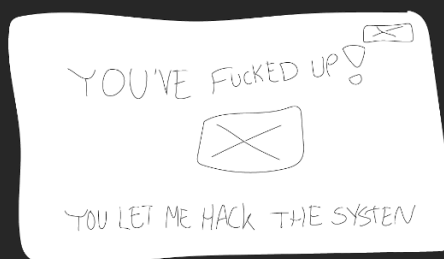
Popup view



Popup view – expelled / prefect



Dialog: Only two prefect



Dialog: You've been hacked

An overview of the various components of the application

- Fetch JSON data
- Clean JSON data
- Display studentlist
- Filter students
- Sort students
- Search for students
- See student details (pop up)
- Make student prefect
- Make student part of IQ squad
- Expell student
- Hack the system

A list of features / user stories (e.g.: sort by first name, last name, etc.)

Features

- Split and capitalize information from JSON-data.
- Get photos from the image-folder.
- Filter by...
 - All.
 - House.
 - Gender.
- Sort by...
 - House A-Z.
 - House Z-A.
 - First name A-Z.
 - First name Z-A.
 - Last name A-Z.
 - Last name Z-A
- Filter by... (separate lists)
 - Attending students.
 - Expelled students.
- Search the student list.
- Display list-view (student list).
- Remove expelled students to the expelled-student list.
- Expel a student.
- Make a student (if from Slytherin and pureblooded) a member of the Inquisitorial Squad.
- Make a student a prefect (only two from each house – of each gender).
- Display pop-up/modal of each student with house-theme.
- “hackTheSystem”-function
 - Insert myself as a student, who can’t be expelled.
 - Mess with the blood status (Muggleborn/halfbloods become purebloods – Purebloods become muggleborn/halfbloods)

- Adding a student to the Inquisitorial Squad is only temporary (user will be notified

Userstory

- I want to be able to filter the list of students to find a specific student.
- I want to be able to add and remove people from The Inquisitorial Squad.
- I want to be able to sort the list of students to get a better overview.
- I want to be able to search in the student list to quickly find a specific student(s).
- I want to be able to make a student prefect.
- I want to be able to expel a student.
- I want to be able to “hackTheSystem” to mess with everything.

A list of Student-object properties, e.g. firstName, lastName, imageName

```
let studentTemplate = {
  firstName: "-not set yet-",
  lastName: "-not set yet-",
  middleName: "-not set yet-",
  nickName: "-not set yet-",
  photo: "-not set yet-",
  house: "-not set yet-",
  bloodStatus: "",
  expelled: false,
  prefect: false,
  squad: false,
};
```

A can/can't list of each component or activity

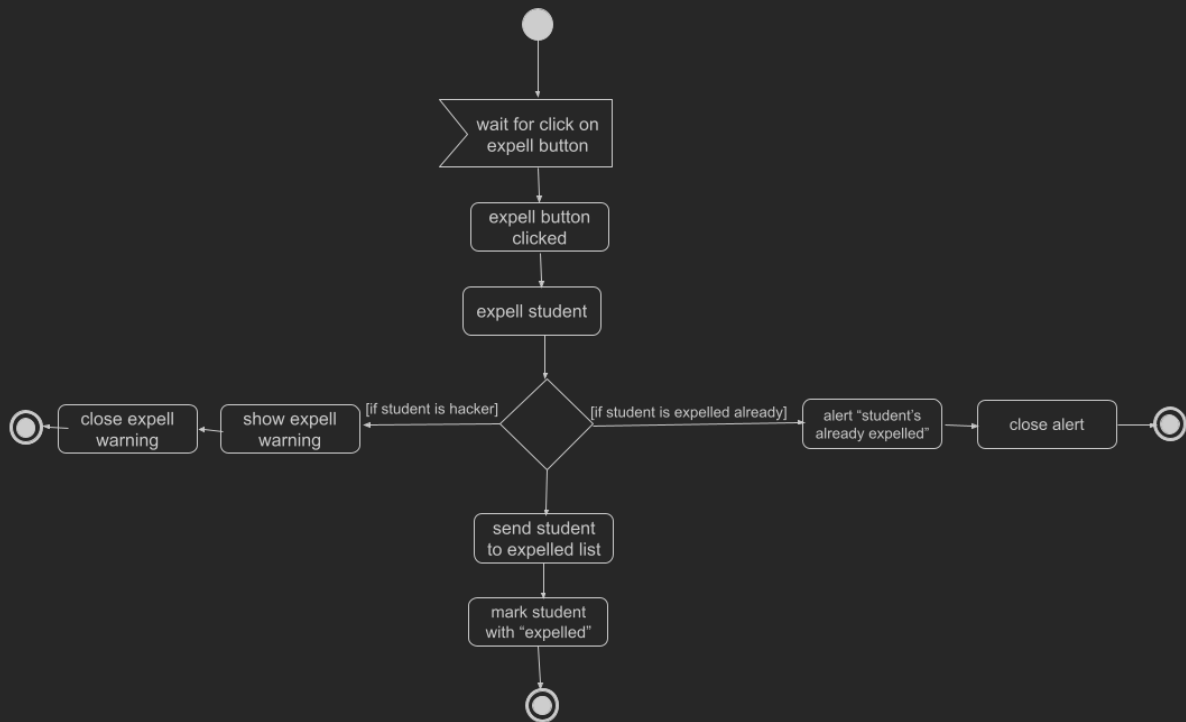
“can” → green

“can’t” → red

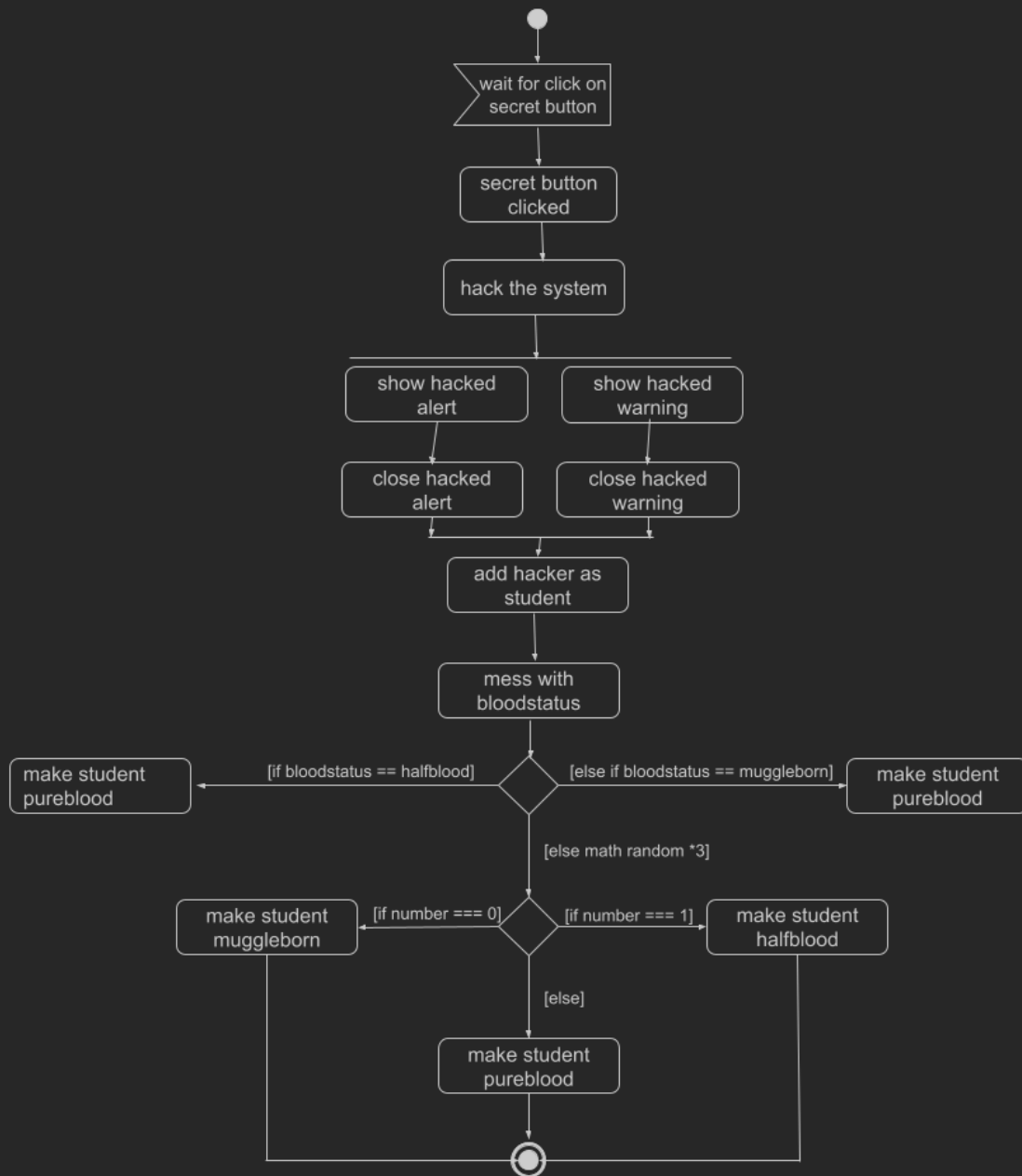
Fetch JSON-data
Split into first-, middle- and last name
Capitalize names
Get photos from file
Display students (list-view)
Sort list of students
Filter list of students (ex. gender, house, etc.)
Search in list of students
Interface must show number of students (attending, expelled, displayed and of each house)
Pop-up theme according to house
Pop-up contains student details (full name and photo)
Fetch blood status
Display blood status on student pop-up
Expel a student, and move this student to “expel-list”
Display expel-list
Make two students from each house of each gender prefects
Make/remove student a member of the Inquisitorial Squad (if he/she is from Slytherin and pureblooded)
hackTheSystem called from console (or with a secret button) →
<ul style="list-style-type: none">• I will be displayed in the student list and can’t be expelled
<ul style="list-style-type: none">• Purebloods become muggleborns or halfblood, while muggleborns and halfbloods becomes pure
<ul style="list-style-type: none">• Adding students to the Inquisitorial Squad is only temporary, the students is removed and notifies the user about this

Pseudocode or activity diagrams for algorithms:

Expelling



hackTheSystem and bloodstatus



Complete activity diagram for all the functions, which parameters they receive, and values they return

http://saraiohane.dk/kea/3.semester/1st_theme/whole_diagram.pdf

