

11C.04.04 Hacked Hogwarts Student List

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GITHUB: <https://github.com/lass4171/hogwarts> | [rdlq.git](https://github.com/lass4171/rdlq.git)

WEB: https://lasse-godtkjaer.dk/kea/3_sem/hogwarts_hacked/




HOGWARTS ADMIN STUDENTS LIST

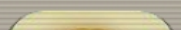
Status of Students			Members in each House			
Total Num. of Students:	Expelled Students:	Displayed Students:	Gryffindor:	Hufflepuff:	Ravenclaw:	Slytherin:
34	0	34	8	9	8	9

Filter by:

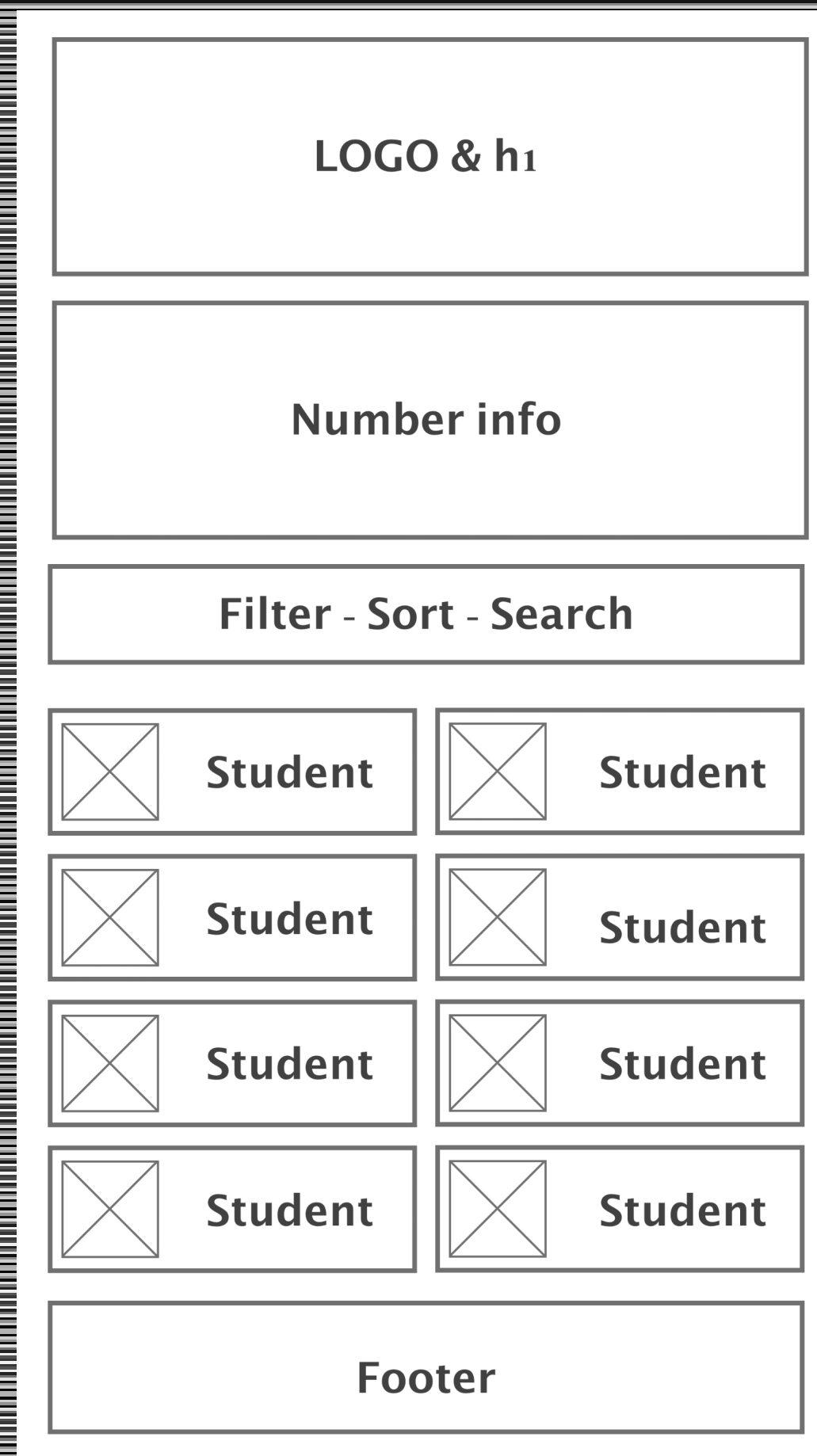
Sort by:

Search:

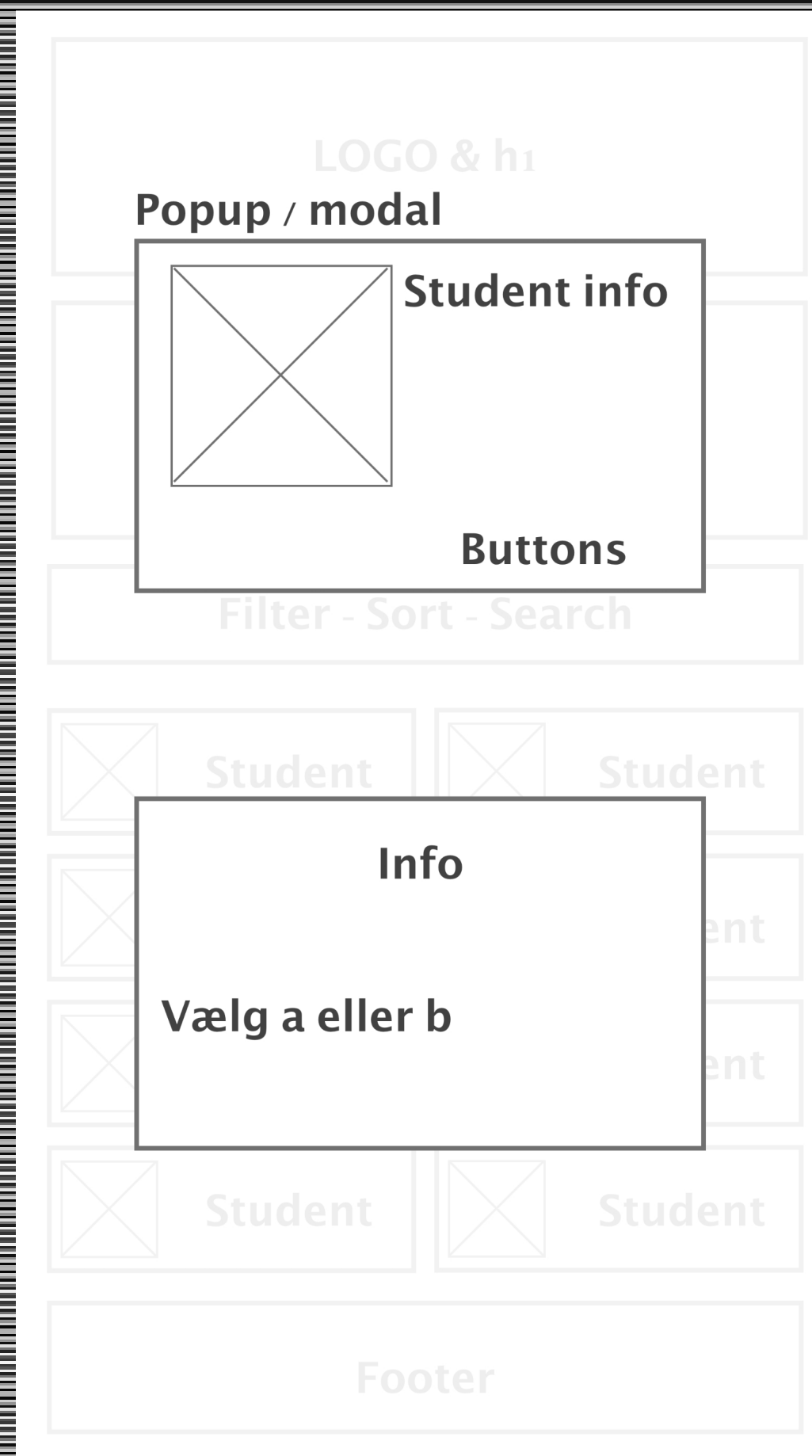
 **Fullname:** Pansy Parkinson

 **Fullname:** Hannah Abbott

Wireframe for liste



Wireframe for modals



Before I started to code the website, I made basic wireframe, it's made in Adobe XD, and only to get overview of the whole design.

I choose to design it as a old computer monitor.

User stories

Sorting As the administrator, I can sort students alphabetically, by first and last name, so that I have a more structured overview of the student list.

Search bar As the administrator, I would like to have a search bar on the page, so that I do not have to browse the entire list to find who I am looking for.

Filtering As the administrator, I would like to filter students by their respective house through global selectors, as well as by who is expelled or not, so that I can more easily find students with certain characteristics.

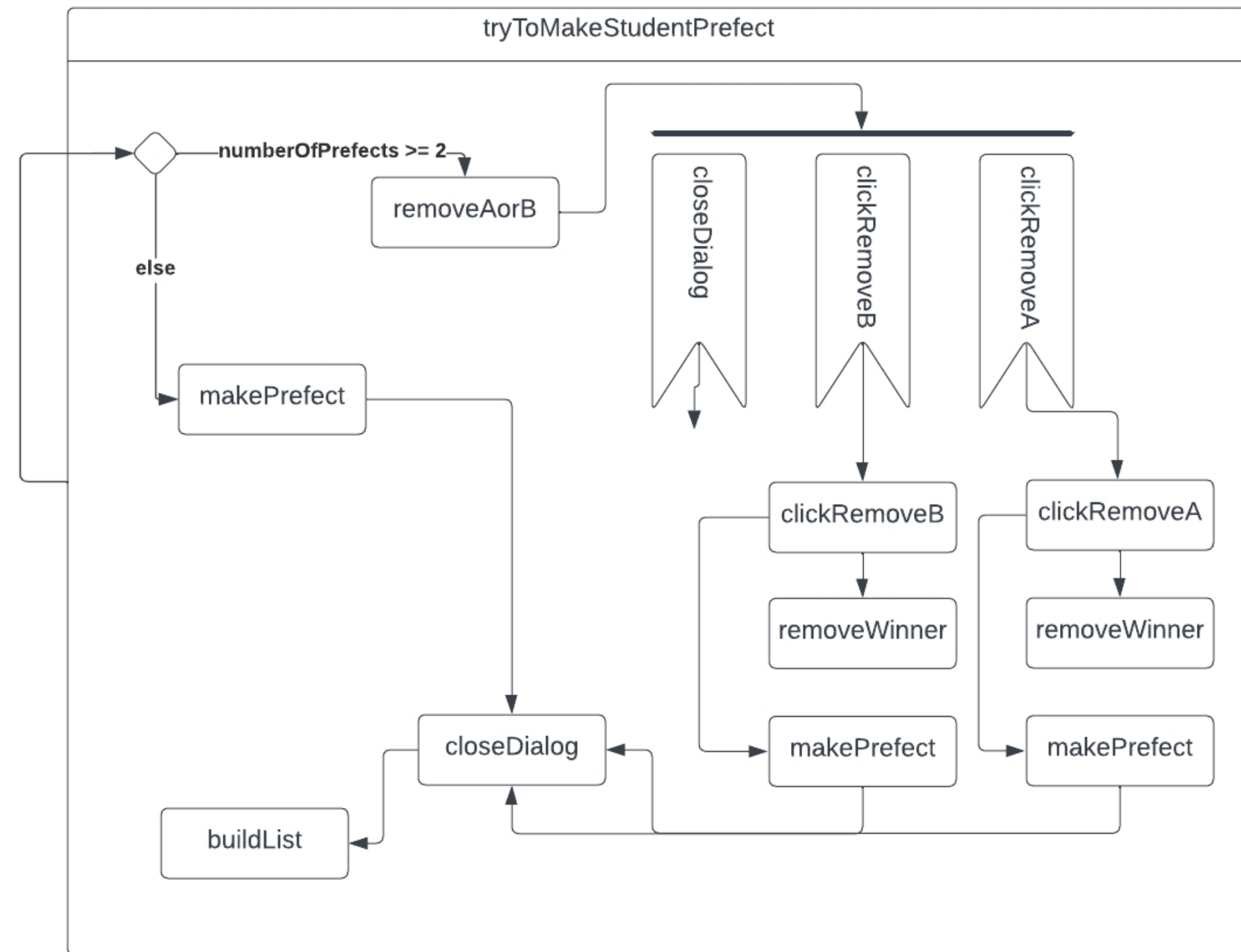
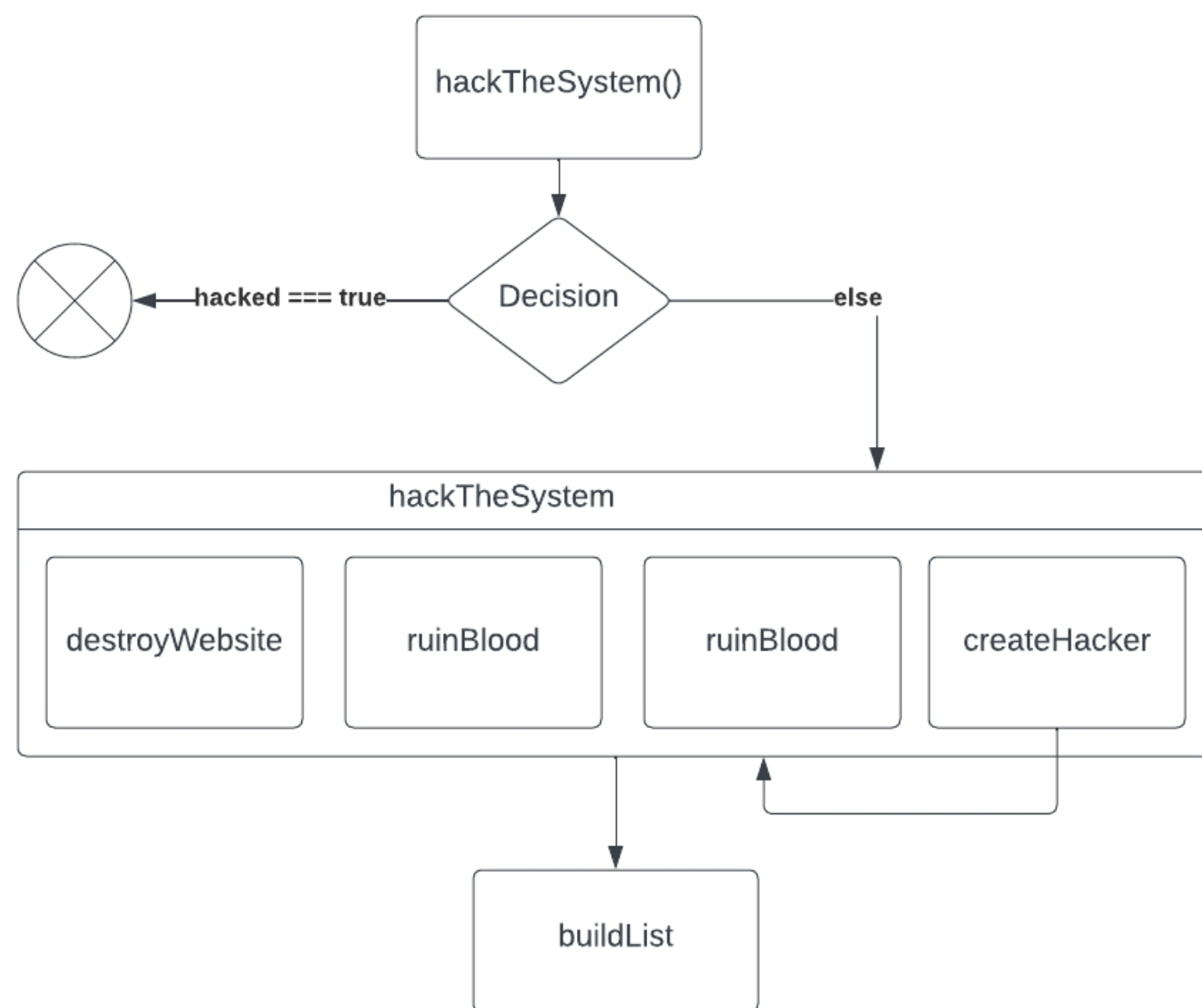
Prefects As the user, I would like to have a button next to each student, so that I can select max. 2 per house as prefects, with the opportunity of revoking my choice.

Expelling As the user, I would like to have a button next to each student name, so that I can expel any of them at any given point in time.

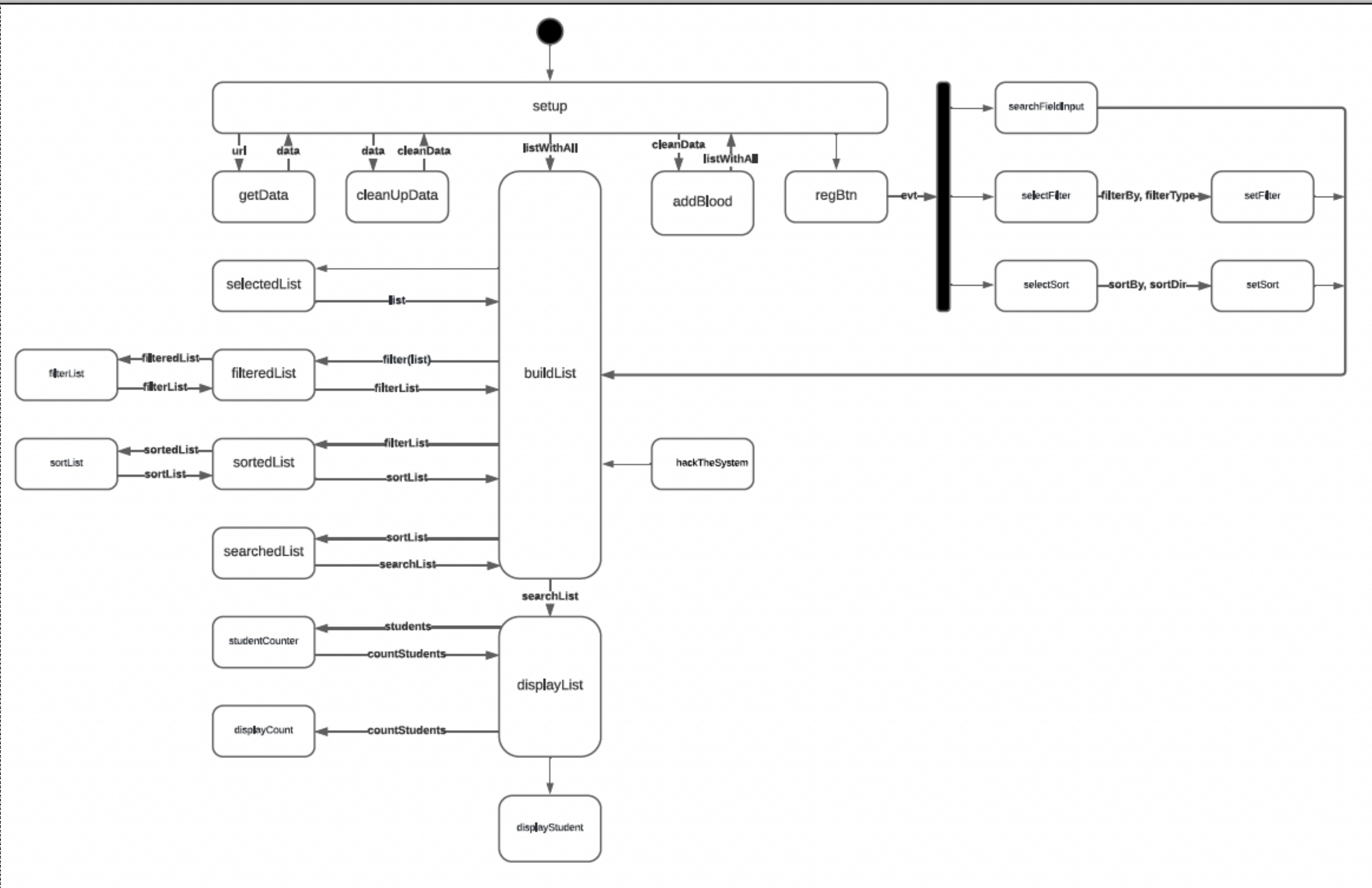
Hacking As the creator of the site, I would like to hack the system through a hidden button, so I can inject myself into the student list without the user being able to expel me.

Can/can't do list	
Sort	
Sort by firstname and lastname	✓
Sort by house	✓
Sort by prefects and inq. Squad	✓
Filter	
Filter by house	✓
Show all	✓
Only inq. Squad, expelled and prefects	+
Only non-expelled	✓
Always display	
Total number og students (not expelled)	~
Total number og students (expelled)	~
Number of currently displayed	+
Number of students in each house	+
Toggle	
Make prefect, max 2 students per house	~
Undo prefect	✓
Make a student inq. Squad member	~
Non-reversible actions	
Expel a student	÷?
Hack the system	~
Active the hack with a keystroke	+
Active the hack form console	✓
Simple list display	
Display firstname, lastname, middlename.	✓
Display house	✓
Display prefect and inq. Squad or not	~
Details display	
Firstname, lastname, middlename, nickname, image and house	✓
Prefect or not	~
Inq. squad or not	~
Blood	+
Hacker-modus	
Type hackTheSystem to hack	✓
Add yourself to the list	~
Show you can't be expelled, if tried	?
Pure blood will be random	~
Half and muggle will be pure blood	~
If inq. Squad is true, then remove after some time	~

Activity diagrams for algorithms:



Final activity diagram



Student object

Example with hacker info

```
hacker.firstName = "Lasse";
hacker.lastName = "Andersen";
hacker.middleName = "Godtkjær";
hacker.nickName = `Hacker`;
hacker.gender = "boy";
hacker.imgSrc = "assets/images/st
hacker.house = "Owner of Hogwarts
hacker.blood = "Pure";
hacker.hacker = true;
hacker.studentId = "69";
```

```
return hacker;
```

```
// Student object
```

```
Student = {
  studentId: null,
  firstName: "",
  lastName: "",
  middleName: "",
  nickName: "",
  gender: "",
  imgSrc: "",
  house: "",
  blood: "",
  prefect: false,
  expelled: false,
  inqSquad: false,
  hacker: null,
};
```