

# Ressu IB Locker Management System

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# Whare are the present issues?

- On the buyer ('client') side:
  - Students do not know which lockers are free
  - Might not get a locker in a favourable location
- On the seller (STUCO) side (probably):
  - Student council members need to be constantly available at the till
  - Borderline chaos ensuing in hallways
- One solution to ease this is to organize different buying days for each year group, however this creates unequal buying opportunities



# System Structure

Locker Database V2 ☆ 📁 🌐

File Edit View Insert Format Data Tools Extensions Help

100% \$ % .0 .00 123 Default...

A1 | Locker Number

	A	B	C	D	E
1	Locker Number	Name	Group	Paid?	
2	401	FREE	FREE	NA	
3	402	FREE	FREE	NA	
4	403	FREE	FREE	NA	
5	404	FREE	FREE	NA	
6	405	FREE	FREE	NA	
7	406	FREE	FREE	NA	
8	407	FREE	FREE	NA	
9	408	FREE	FREE	NA	
10	409	FREE	FREE	NA	
11	410	FREE	FREE	NA	
12	411	FREE	FREE	NA	
13	412	FREE	FREE	NA	
14	413	FREE	FREE	NA	
15	414	FREE	FREE	NA	
16	415	FREE	FREE	NA	
17	416	FREE	FREE	NA	

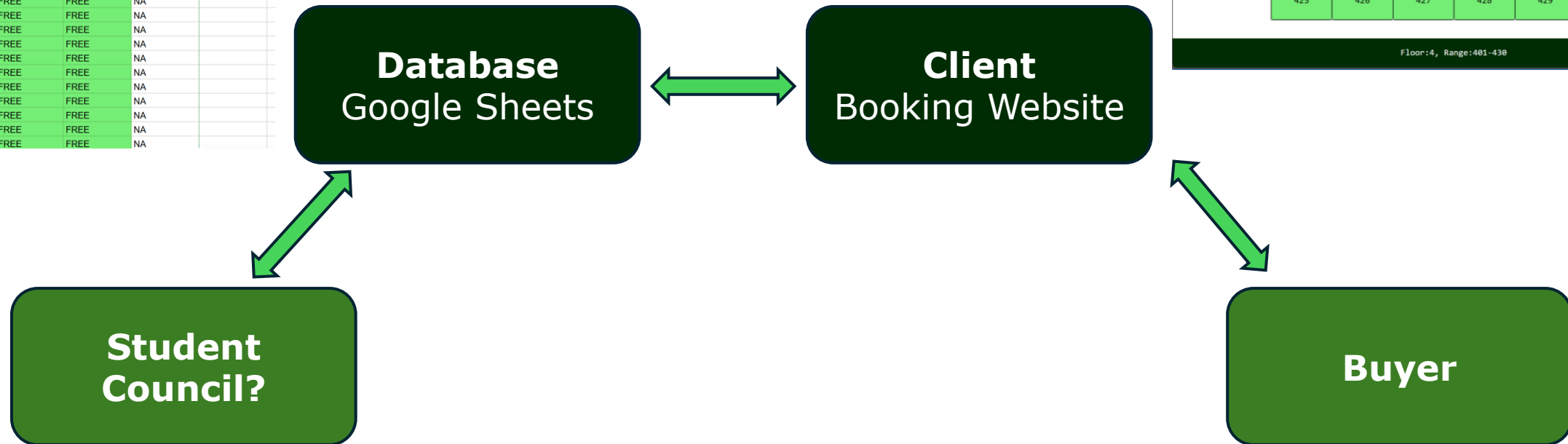
School logo?

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401	402	403	404	405	406
407	408	409	410	411	412
413	414	415	416	417	418
419	420	421	422	423	424
425	426	427	428	429	430

Floor: 4, Range: 401-430



# Client-side Demo



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## [Tentative]



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**Grid**

Book locker number:

Your name:

Your group:

[Any other required data]

Your email ID [optional but recommended, not stored], to receive your booking details:

By clicking SUBMIT you agree to pay X € to the Student Council according to [the Payment Instructions linked here](#) within X days, otherwise this booking will be cancelled.

SUBMIT

# **Ressu IB Locker Management System**

## **[Tentative] Payment Instructions**



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Please mention your locker number and name in the payment!

### **Pay by Mobile Pay**

QR Code here

### **Pay by Bank Transfer**

Bank ID here

# Database-side Demo



# What should this be adopted?

- Buyers can immediately see which lockers are free and book accordingly
- Buyers can check this at their leisure
- Student council members can verify payments without time pressure
- No need to crowd hallways during designated locker selling hours
- First come first served system





# What issues are observed here?

- **Hackability** – one can book multiple lockers.
  - Solution: Perhaps the database could be monitored for such activity



# How is the Coding Club involved?

- Tech support throughout the process
- Additional features can still be added over the summer, depending on complexity
- Could work together to prepare guides on how to use this site, to make this transition easier



# Any Questions?

