PropTech
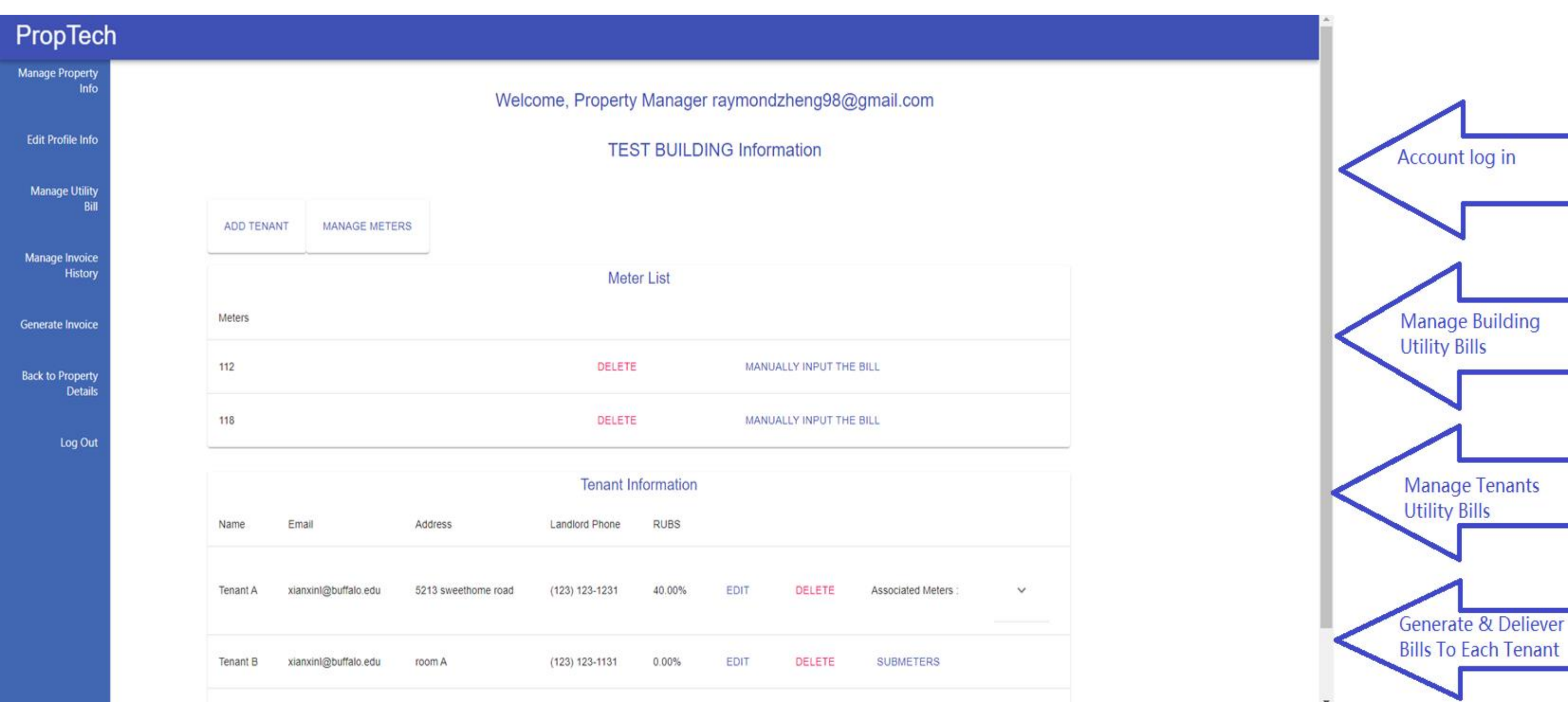
University at Buffalo
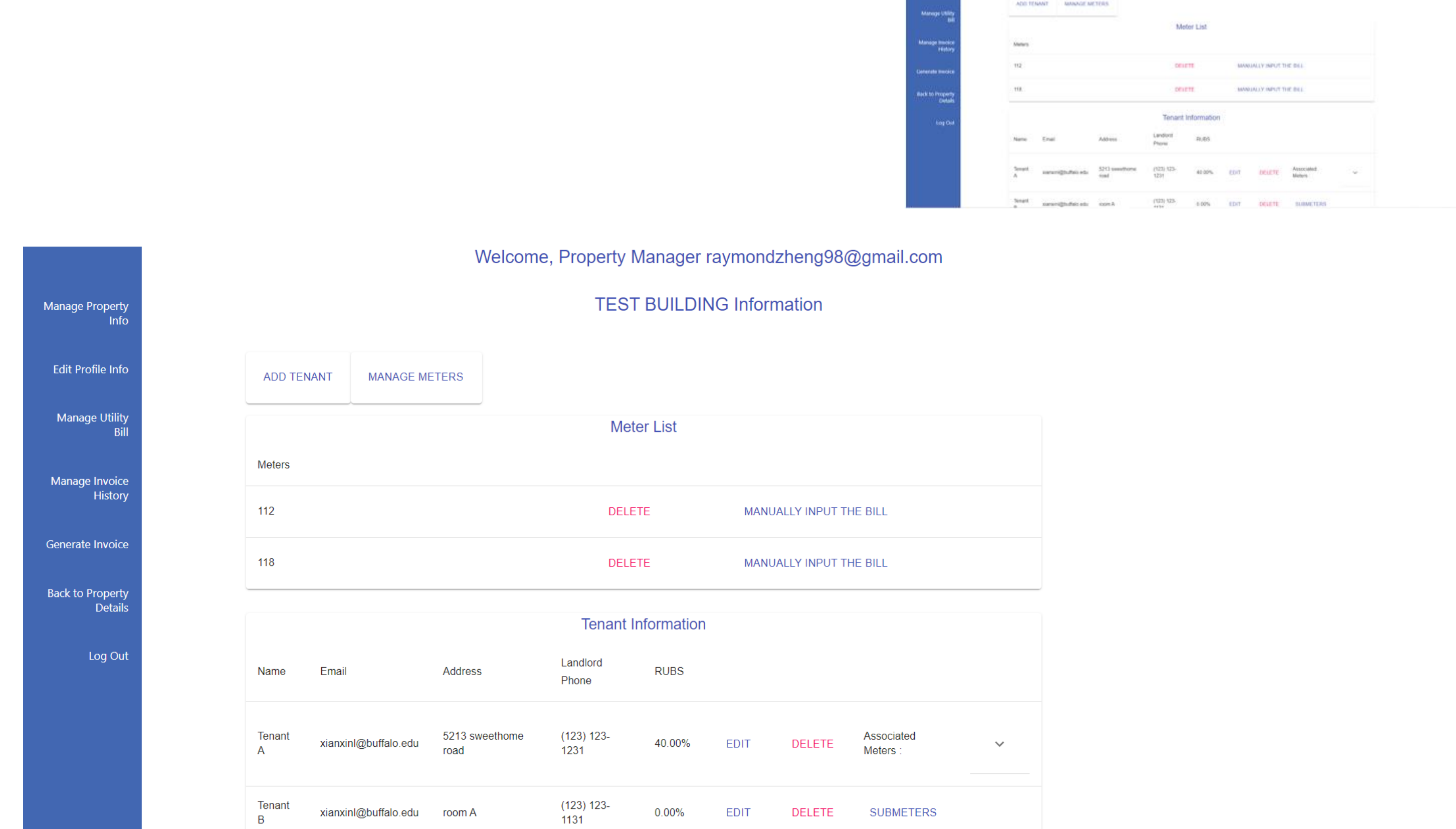The State University of New York

Problem:

Managing utility bills is annoying process. At the end of each month, building managers receive the utility bills. They have to split bills for each tenant based on their meters by calculating manually, and then manually send out these bills with email or mails.

Account log in

Manage Building Utility Bills

Manage Tenants Utility Bills

Generate & Deliever Bills To Each Tenant
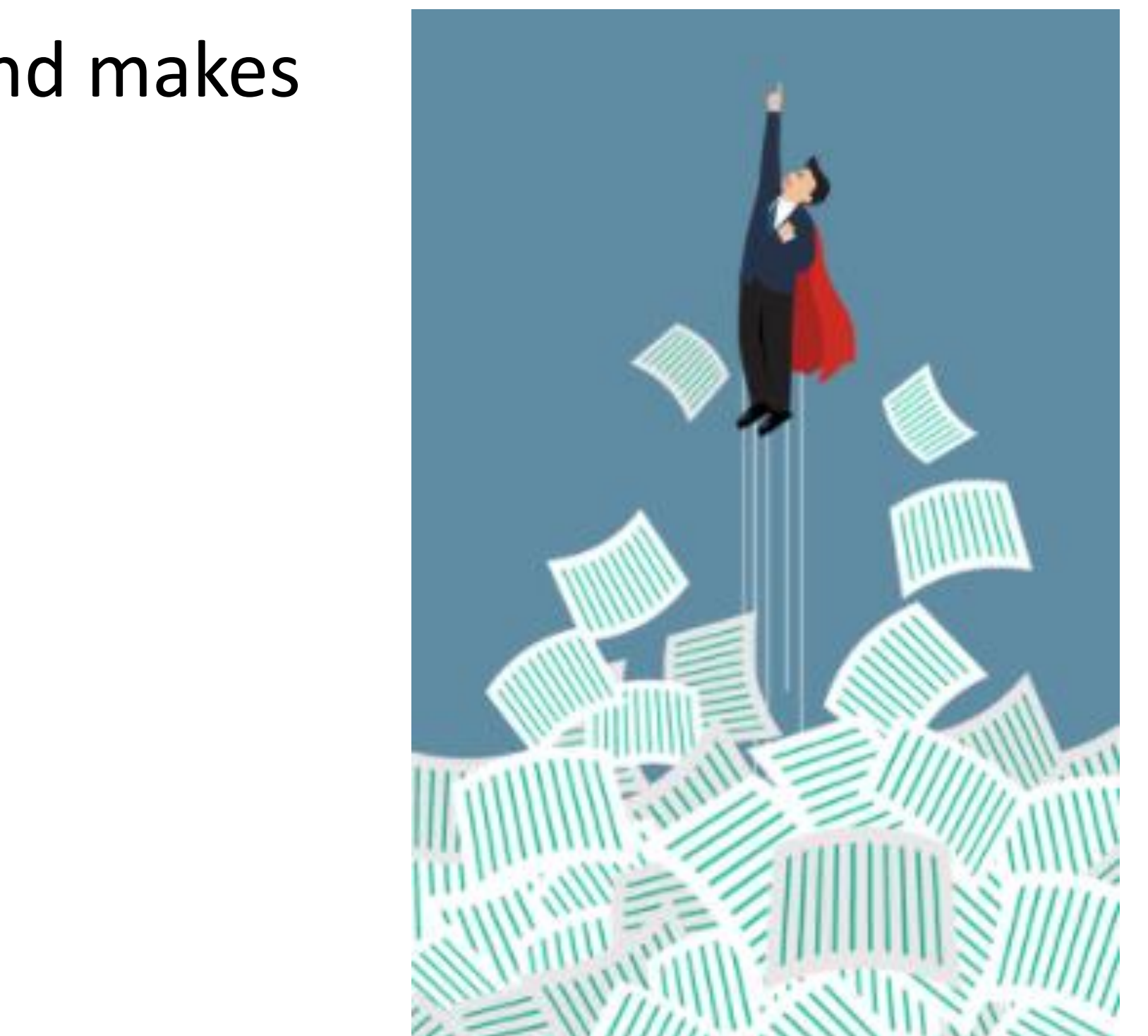
Solution:

- PropTech is the platform that allows building managers to manager these tedious utility bills smartly!
- It uses the hierarchy management system and makes managing buildings and tenants efficiently!
- Calculating the bill amount instantly by using input meter and submeter information!
- Generate and send out invoice to each tenant by **ONE CLICK**!
- History of the invoices are stored and can be reviewed anytime!

Frontend — React JS

Backend — node JS

Database — MySQL

Server — Amazon EC2

- It uses the hierarchy management system and makes managing buildings and tenants efficiently!

- The manager only needs to input the basic information about tenants and meters, and then the backend will perform calculations and generate bill amounts instantly.

- The after invoices are generated, it can be viewed in the history anytime. And it can be generated into the PDFs.

Period Start: 2021-04-01 Period End: 2021-04-02

Sub-Unit	Prior Amount (KwH)	Current Amount(KwH)	Current Usage(KwH)	Unit Charge	Amount
WJYE 5	20246	21792	1546	0.086276	$2134.12
WYRK5	22417	24192	1775	0.086276	$2450.24

Total Amount: $ 4584.36
Enclosed

Tenant C

room c

Electrical Charges as Metered
Period Start: 2021-04-01
Period End: 2021-04-02

Sub-Unit	Prior Amount (KwH)	Current Amount(KwH)	Current Usage(KwH)	Unit Charge	Amount
WYRK SB	174615	177626	3011	0.102727	$309.311
WBLK 5	29887	31617	1730	0.086276	$2388.12

Total Amount: $ 2697.43
Enclosed

Send PDFs to each tenant
Download all invoices

- The displayed invoices can be split into individual invoices for every tenant, and they can be downloaded or sent to its tenant.

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