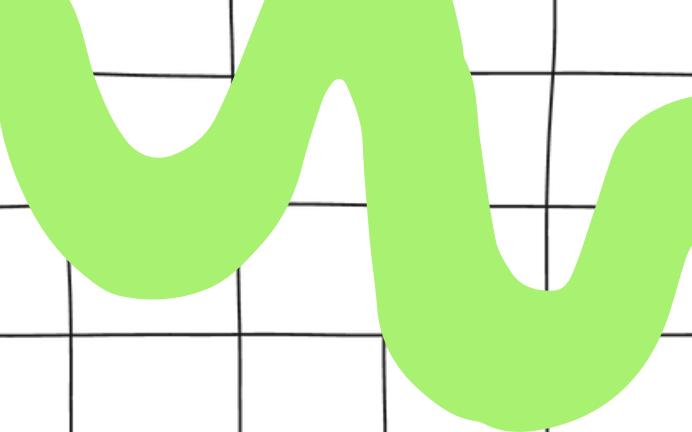
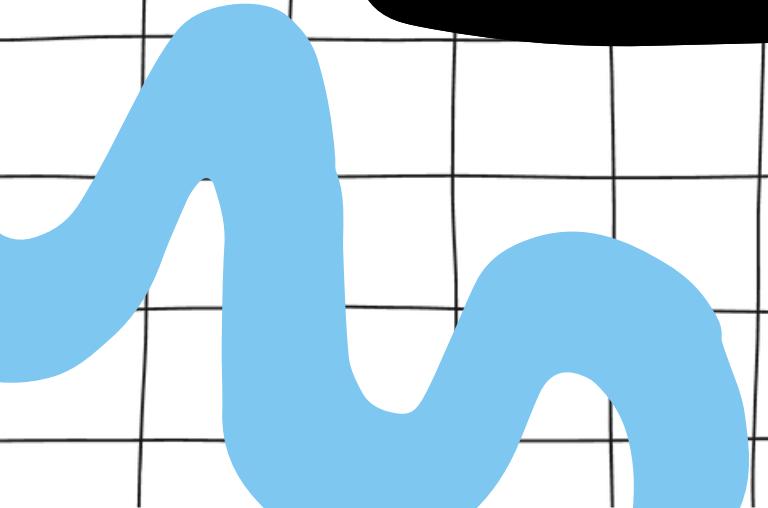
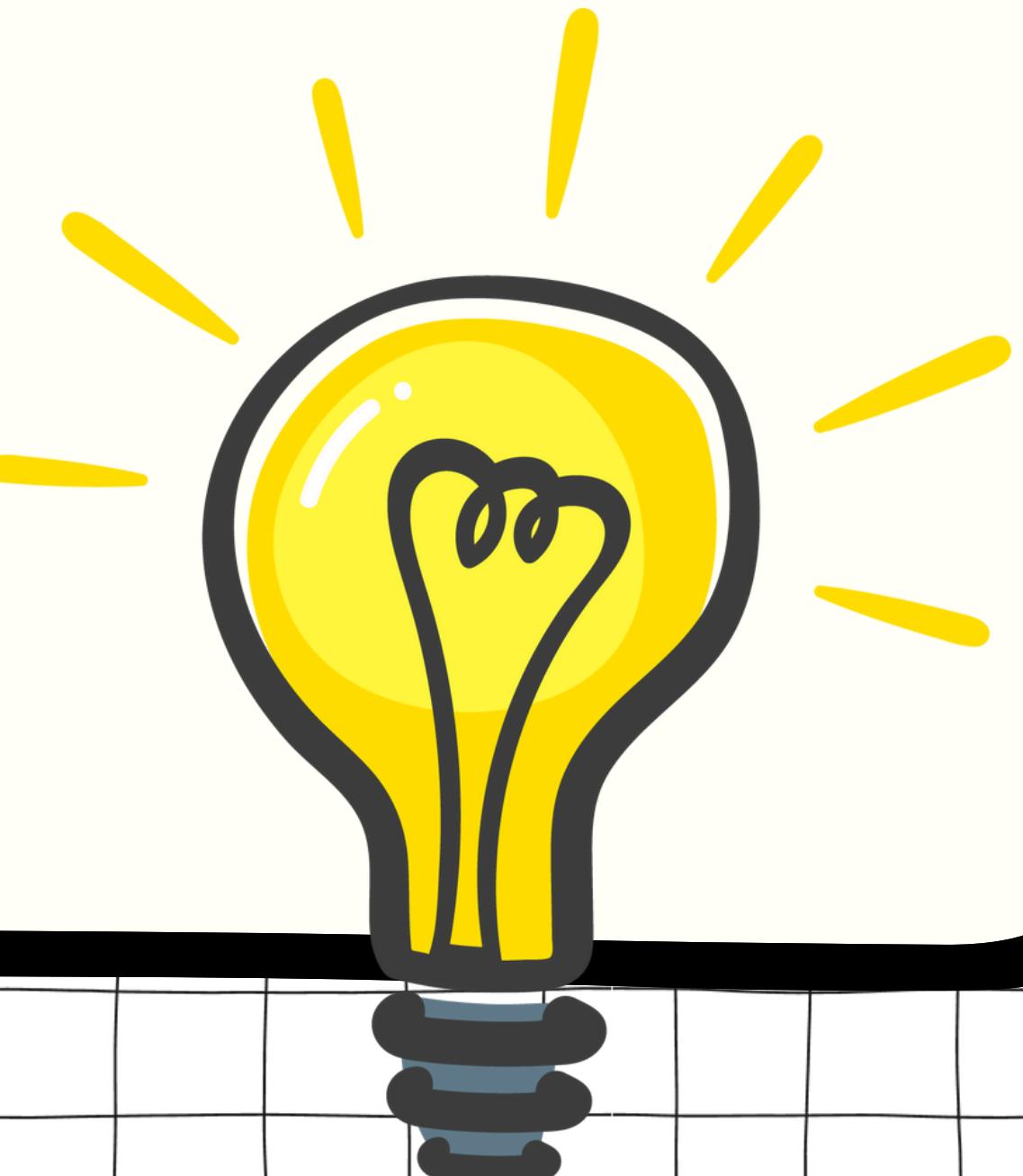




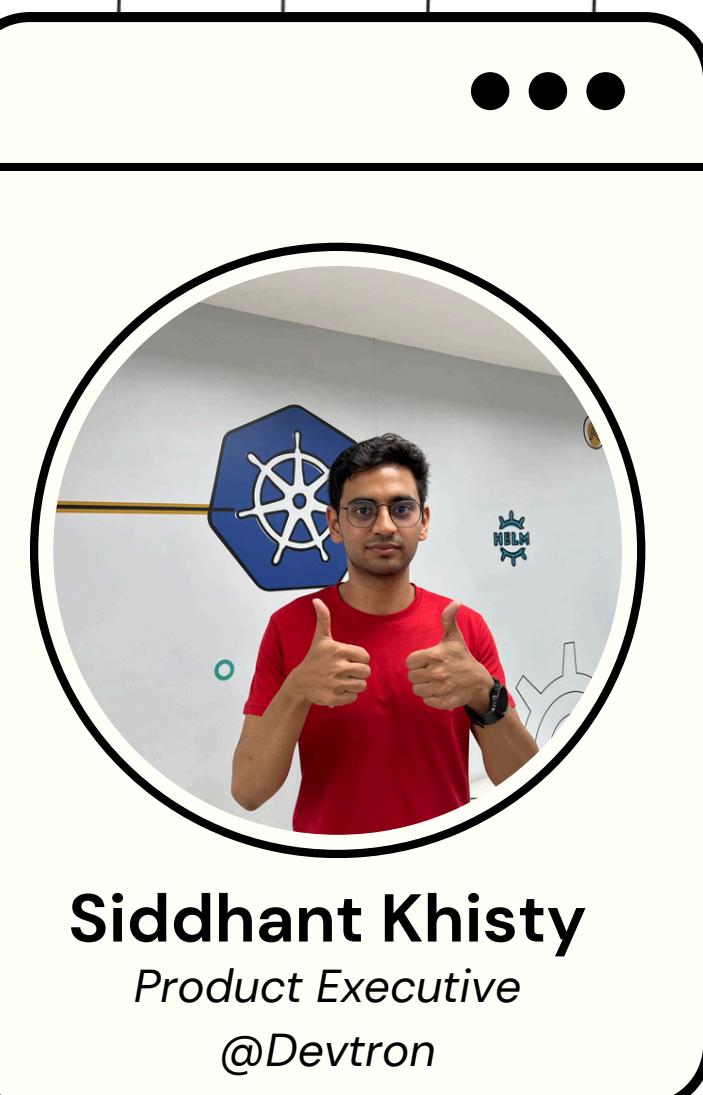
Kube-Nation

**Exploring the Land of
Kubernetes**

Learn Kubernetes by building a nation



About us



Three dots



Siddhant Khisty
Product Executive
@Devtron



Three dots



Aakansha Priya
Developer Relations
@EmpathyOps

Kubernetes

- DeFacto Container Orchestrator
- Widely used in the industry
- Amazing distributed system
- Complicated
- Very easy to get wrong





What we need



01

Land

02

Authority

03

People

04

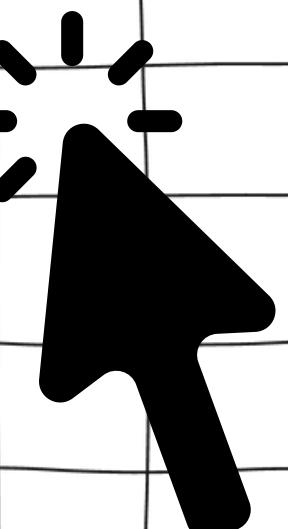
Homes

05

Communication

06

Builders



Land





Buy



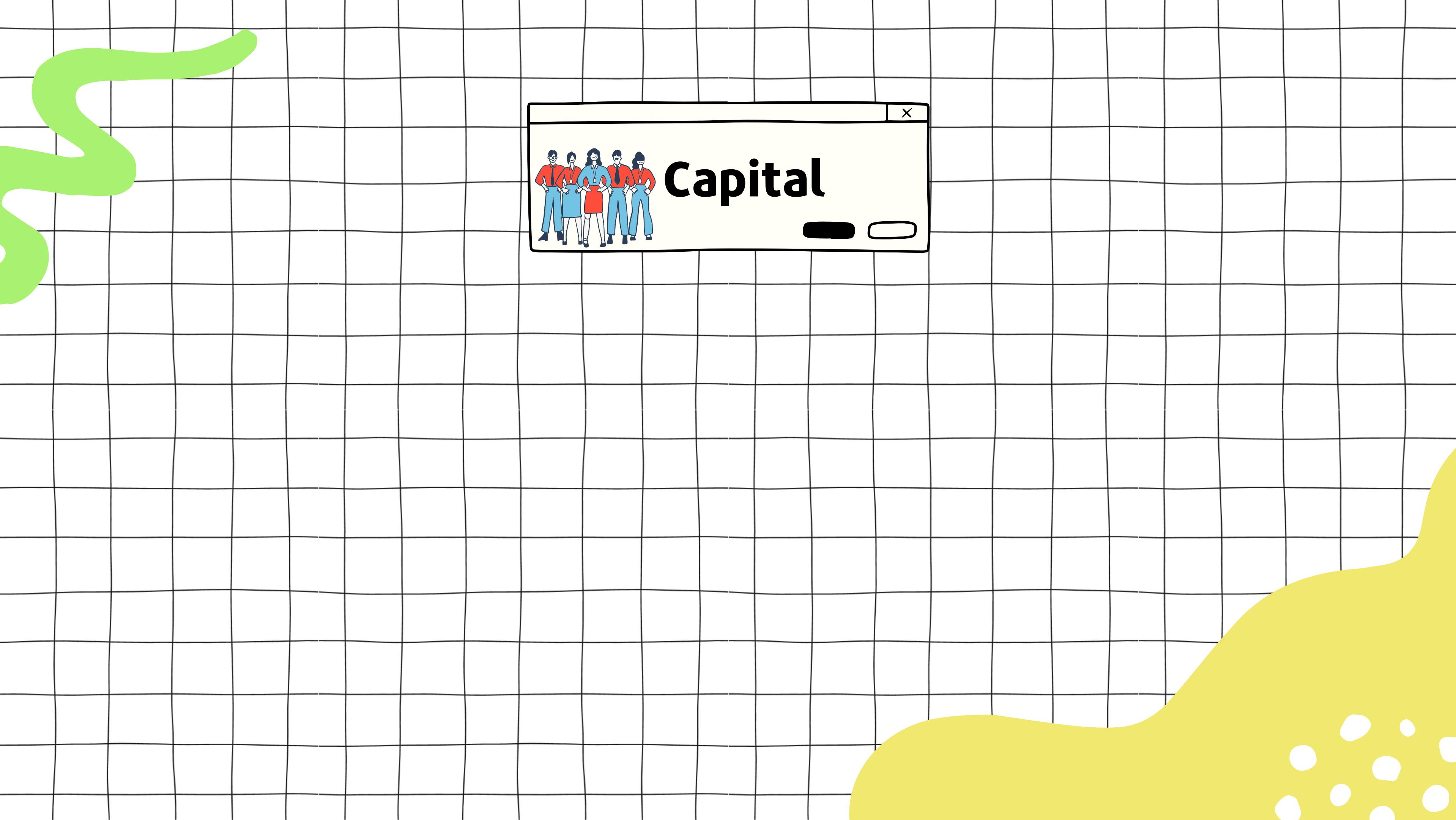
Rent



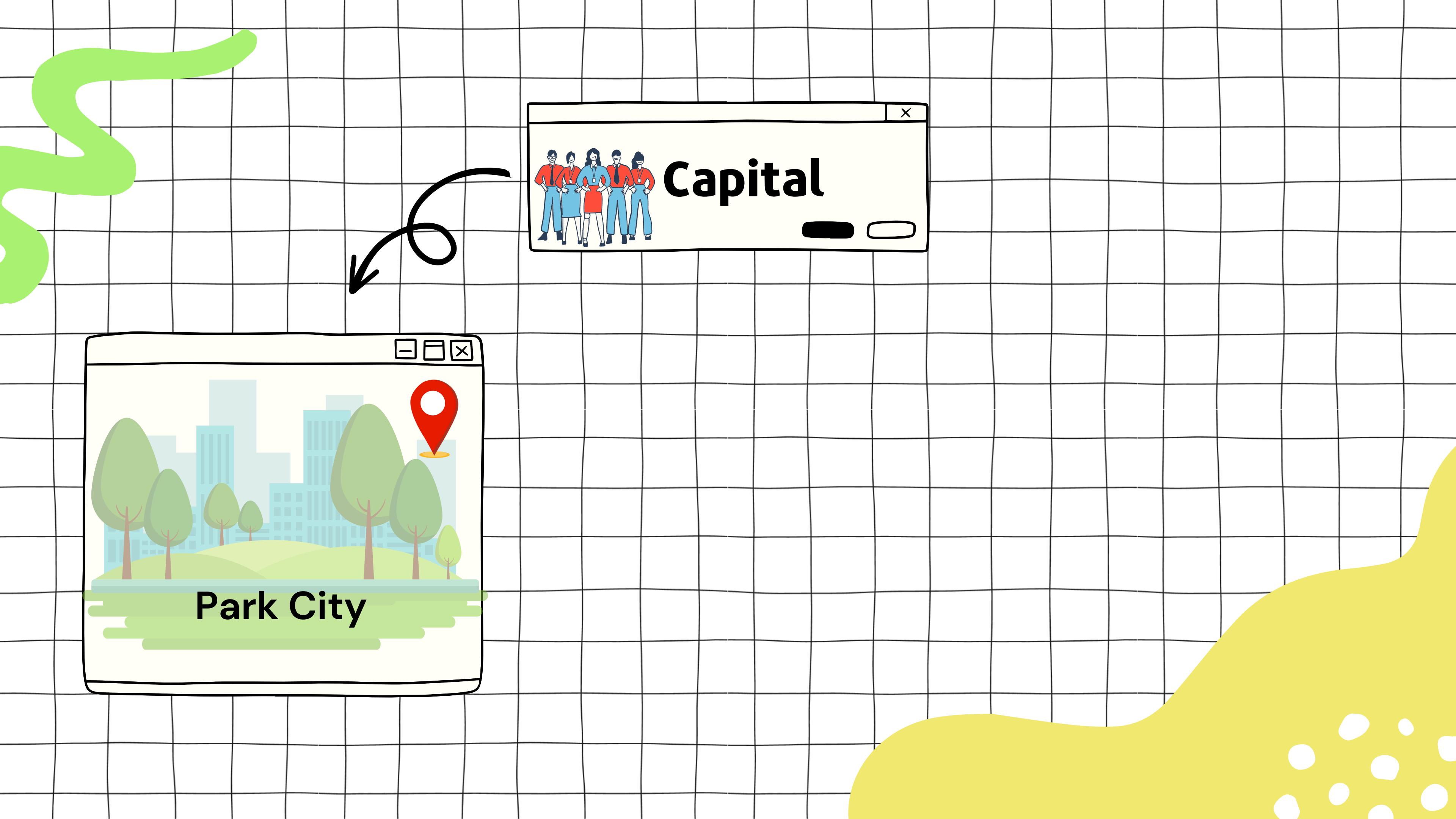
Conquer



Steal

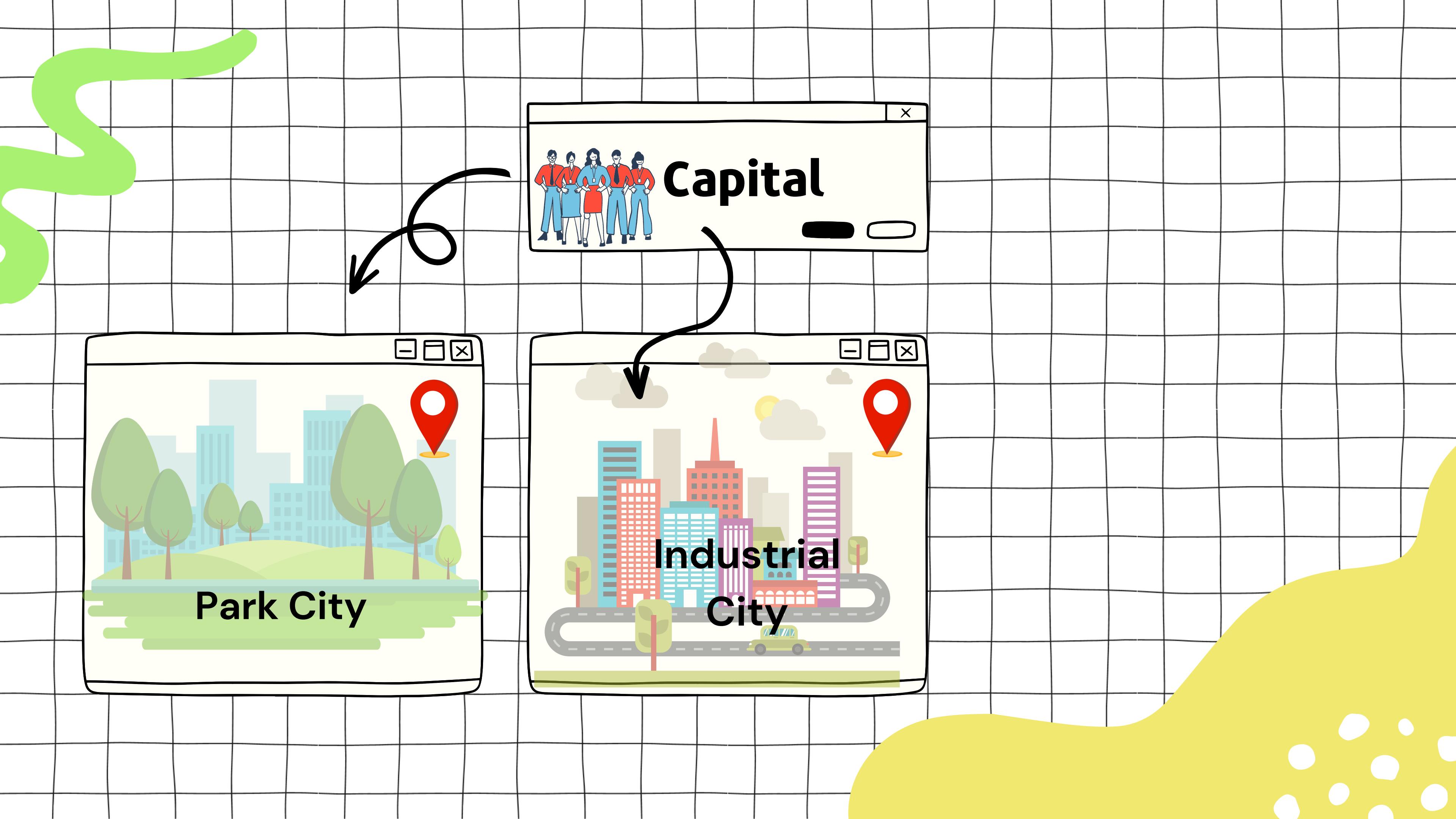


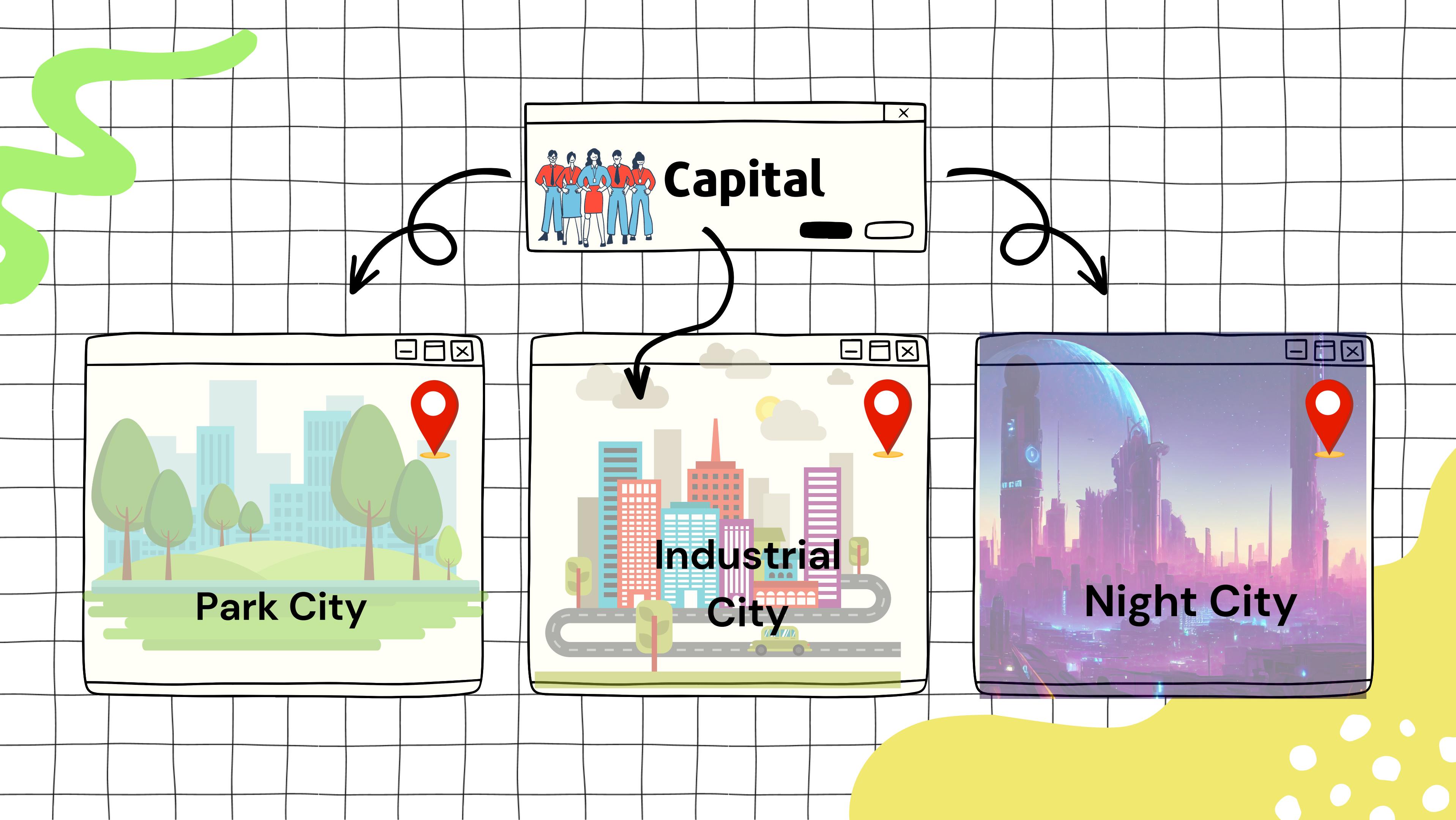
Capital



Park City

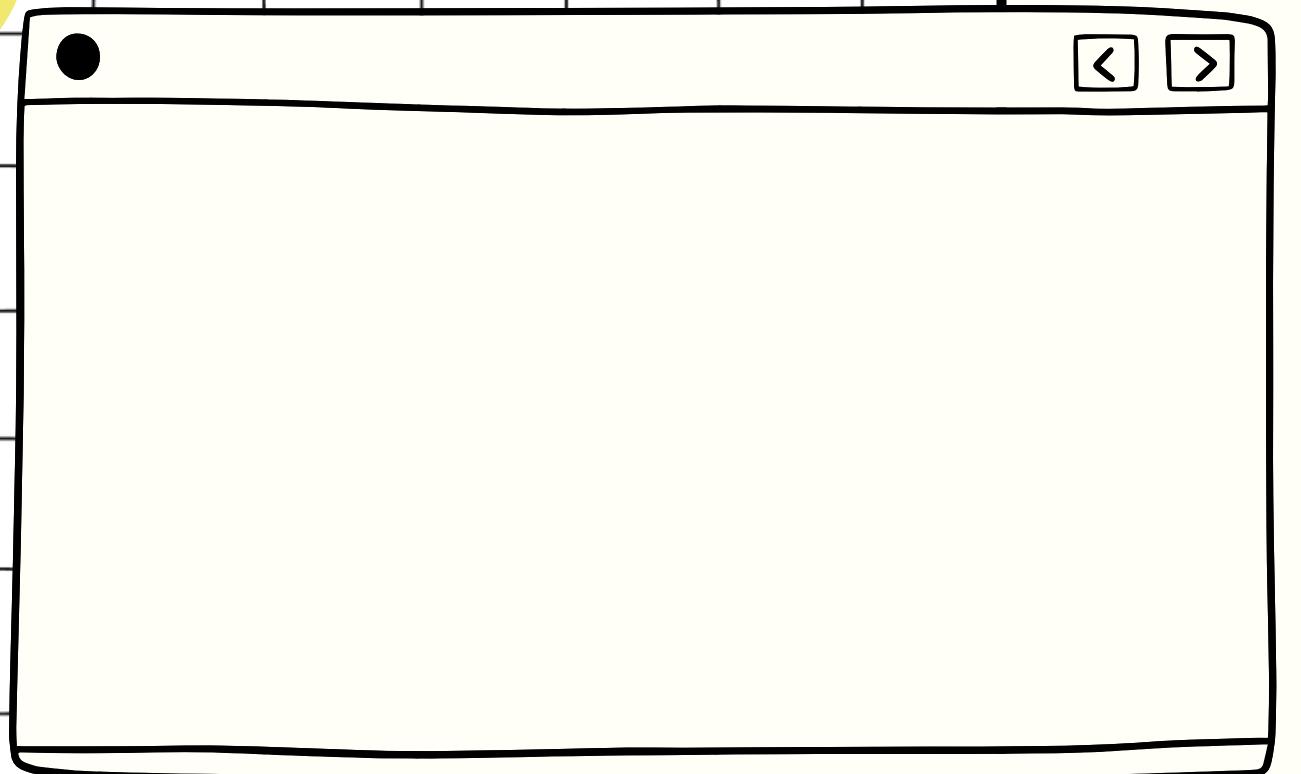
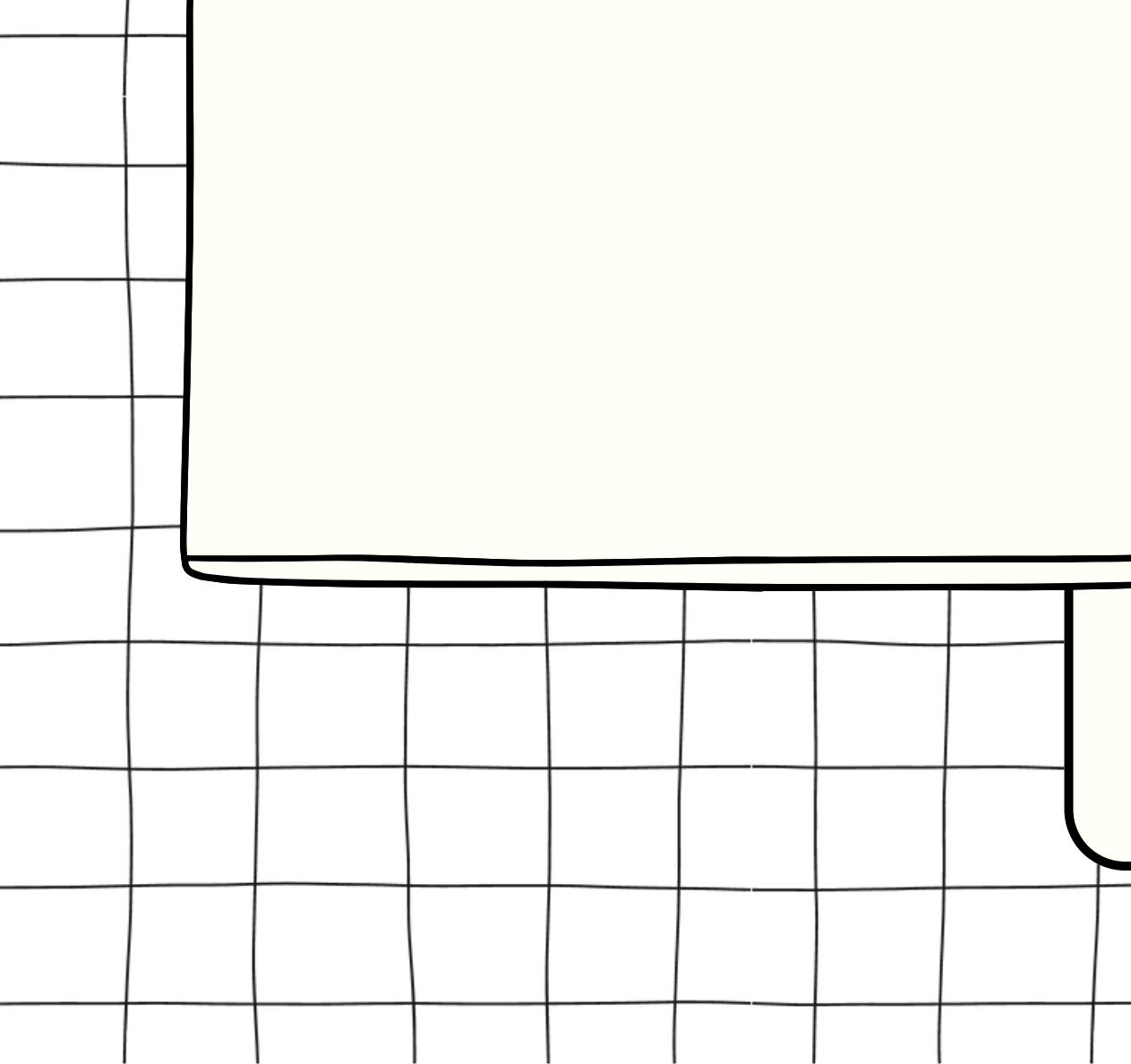
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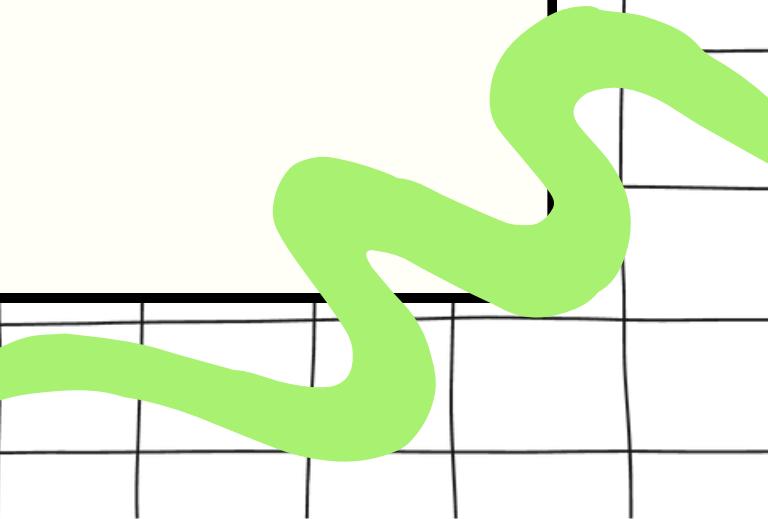




**Important
stakeholders**



...



Important stakeholders

- Who makes the decisions?

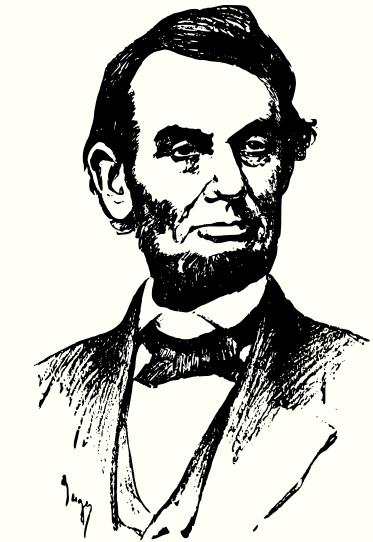


President

- Governs the Nation
- Makes important decisions
- Decide who should know
- Face of the Nation

Important stakeholders

- Who makes the decisions?
- Who makes sure everything is done?



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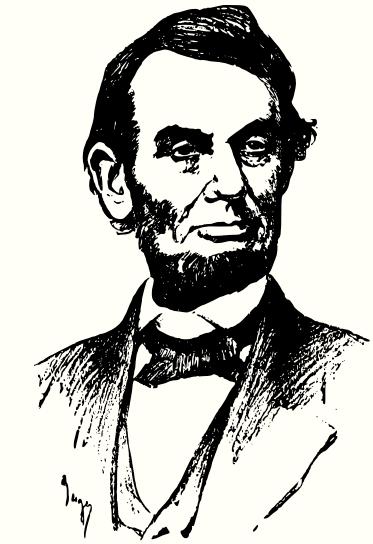


Manager

- Makes sure everyone works
- Check if cities are working
- Do people have phones?
- Is the Nation healthy?

Important stakeholders

- Who makes the decisions?
- Who makes sure everything is done?
- Who carries out orders?



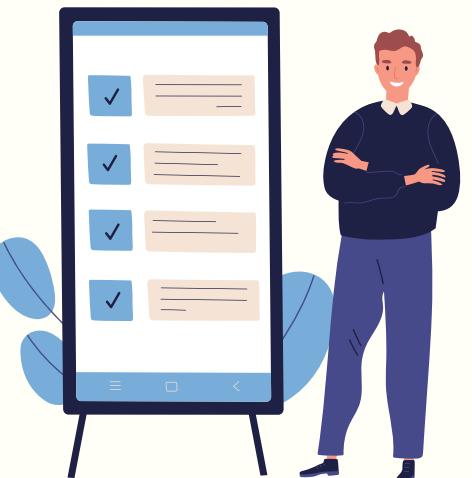
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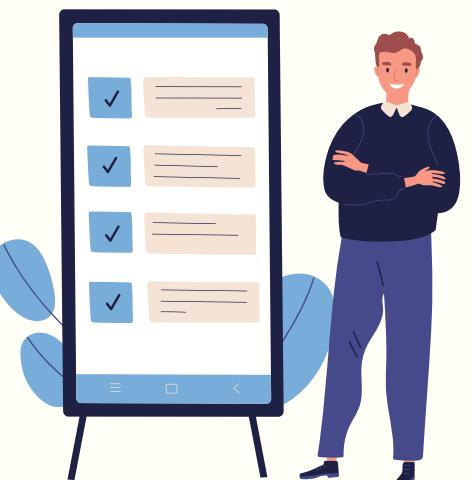
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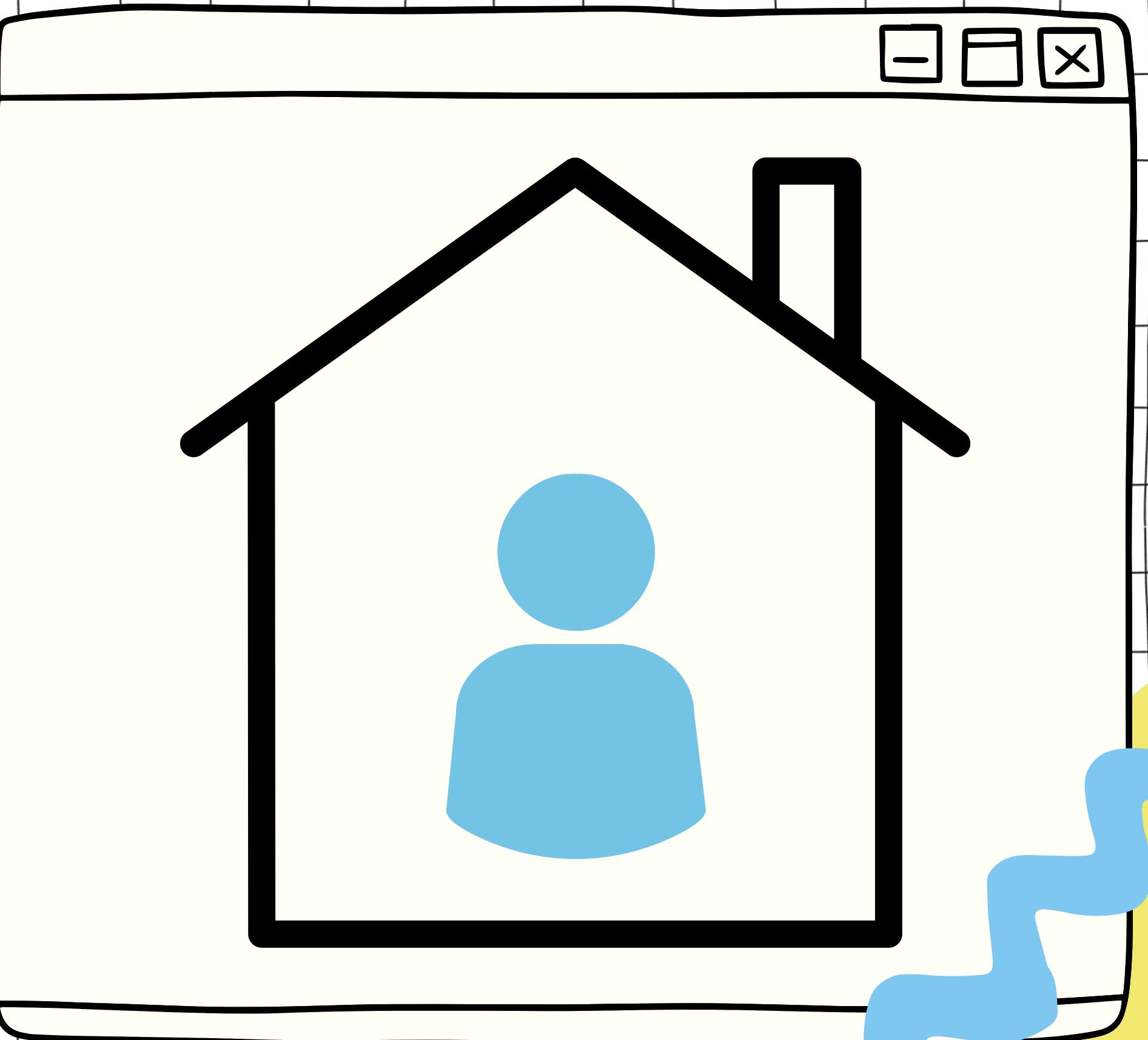
Task Manager

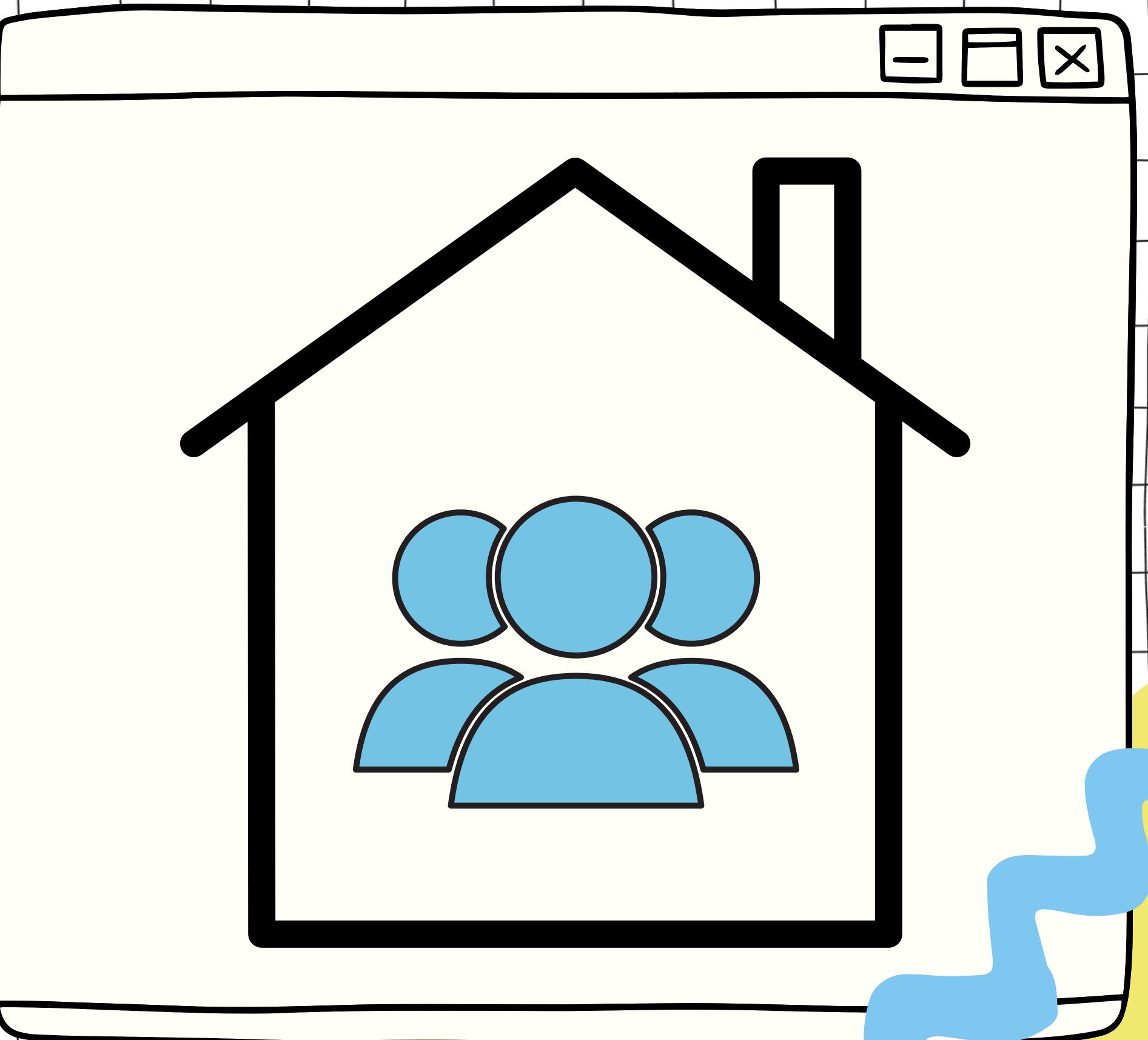
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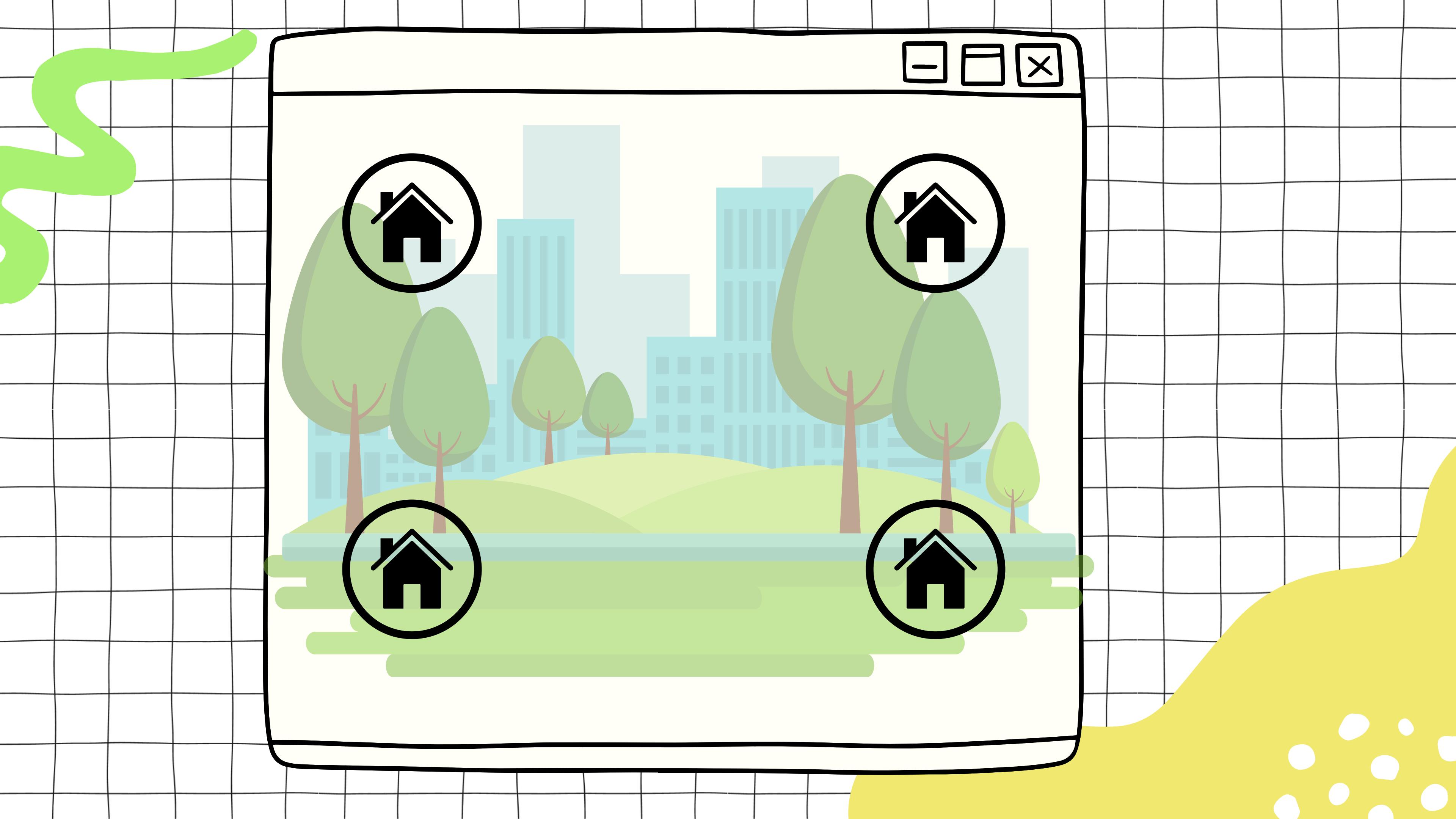
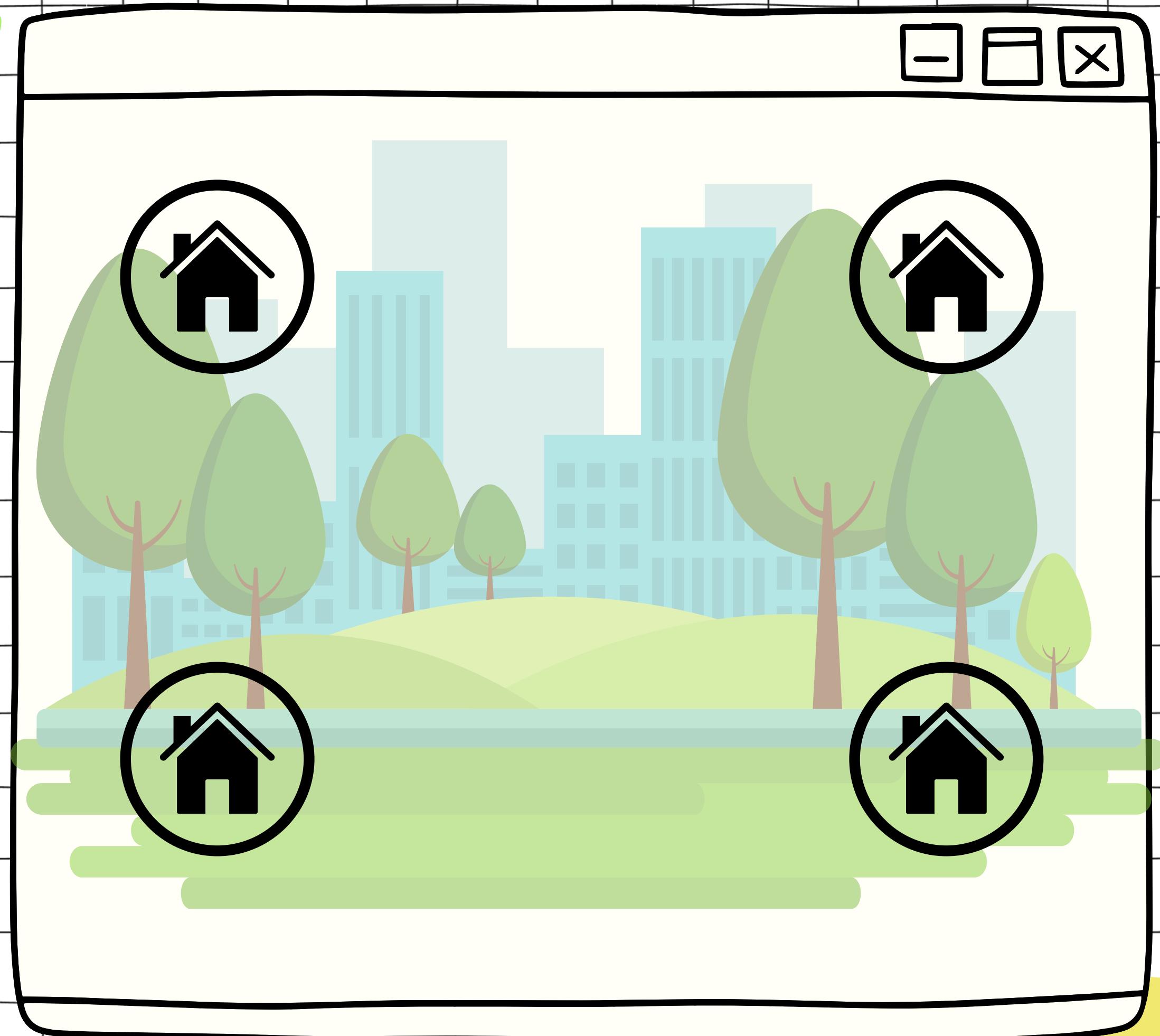


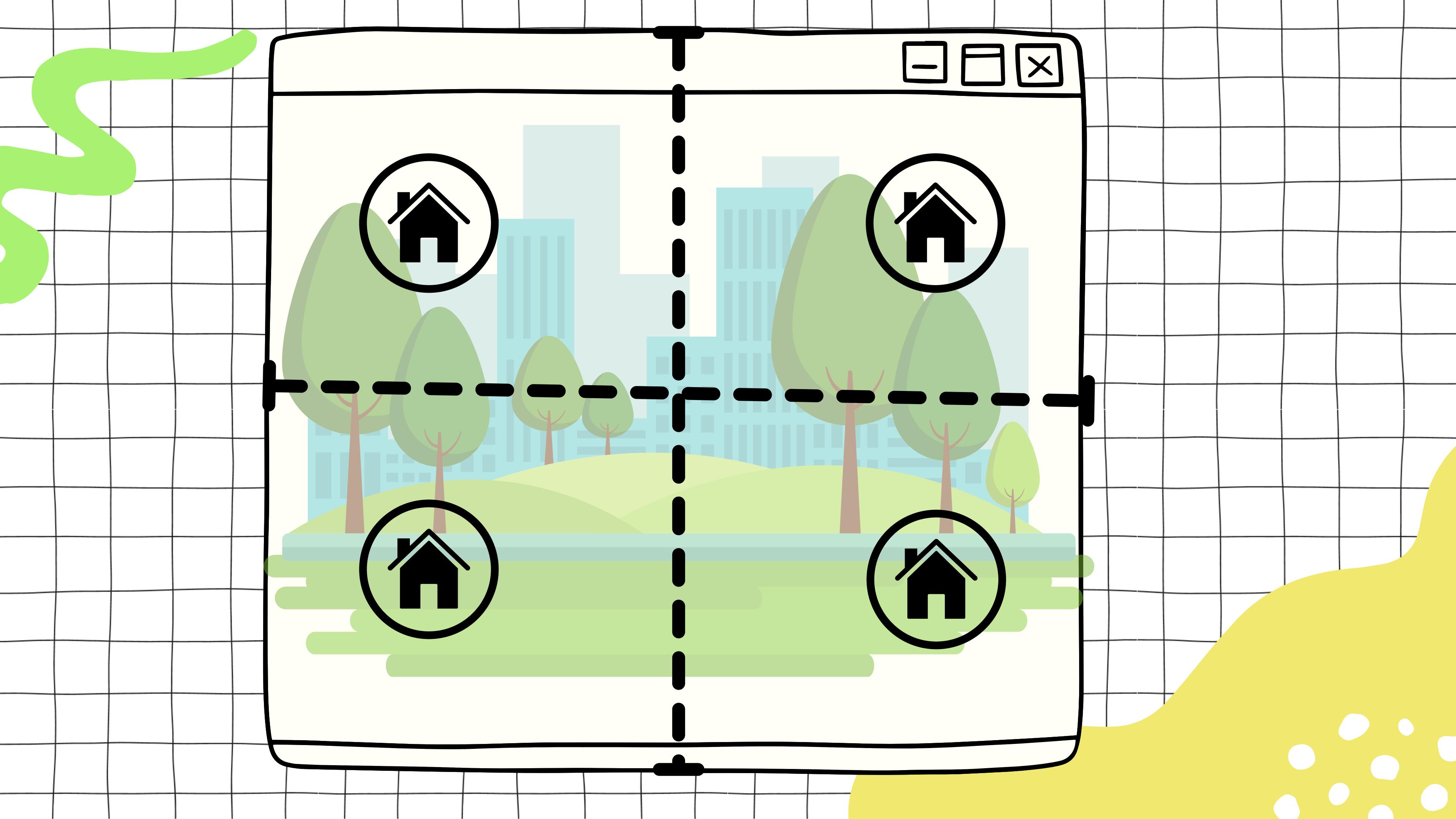
Central Reserve

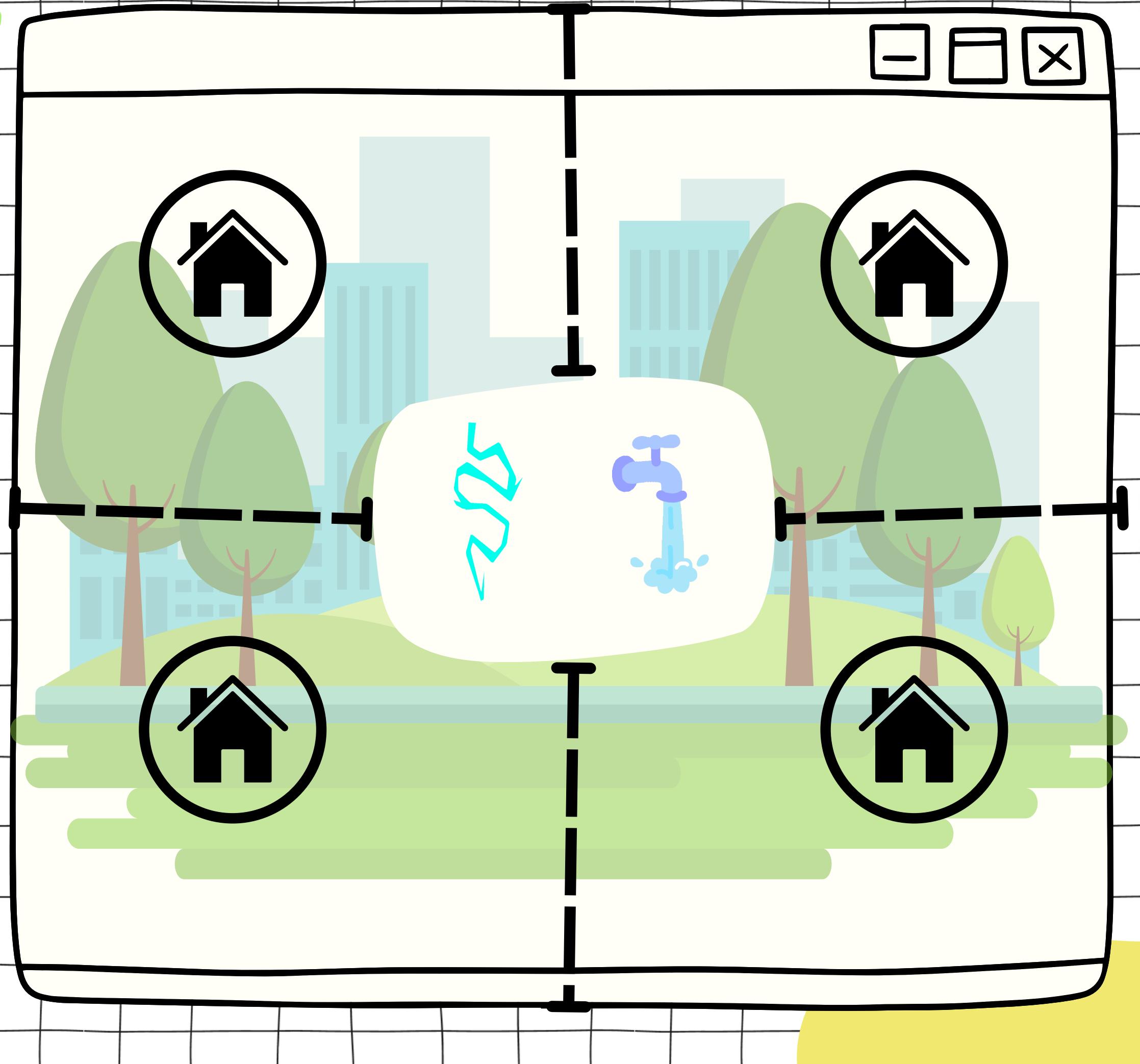
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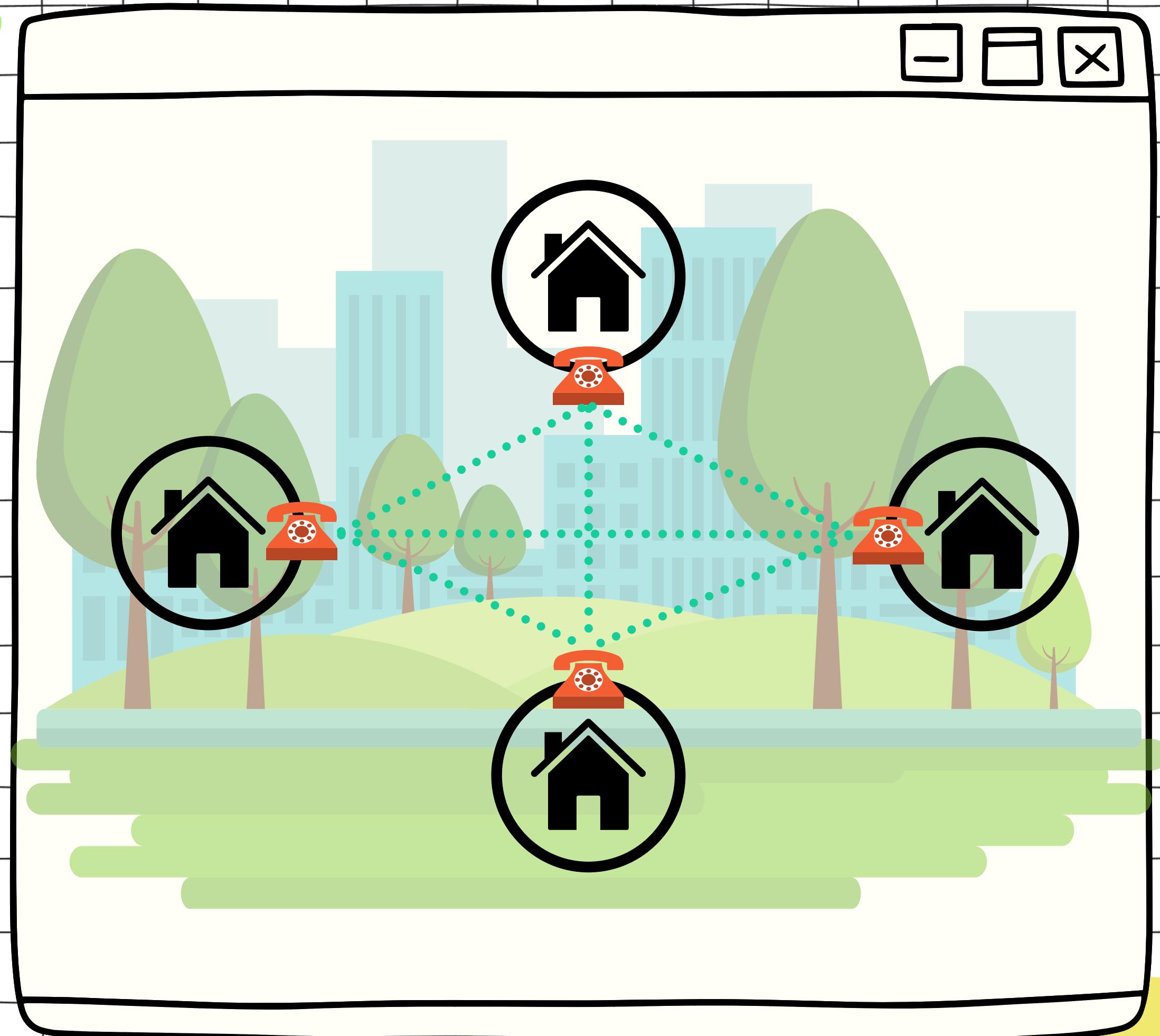








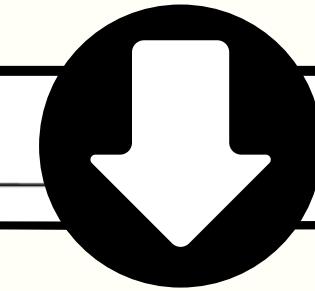
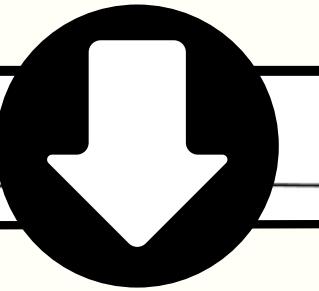




The hard workers

The ones who do the dirty work to build and maintain the Nation

...



Builder

- Builds houses
- Rebuilds destroyed houses based on a contract
- Make sure people stay in houses
- Exist in every city



Communications

- Make sure everyone can talk
- Delivers messages to people
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Who's protecting the country?

Security is important Jackie!!!

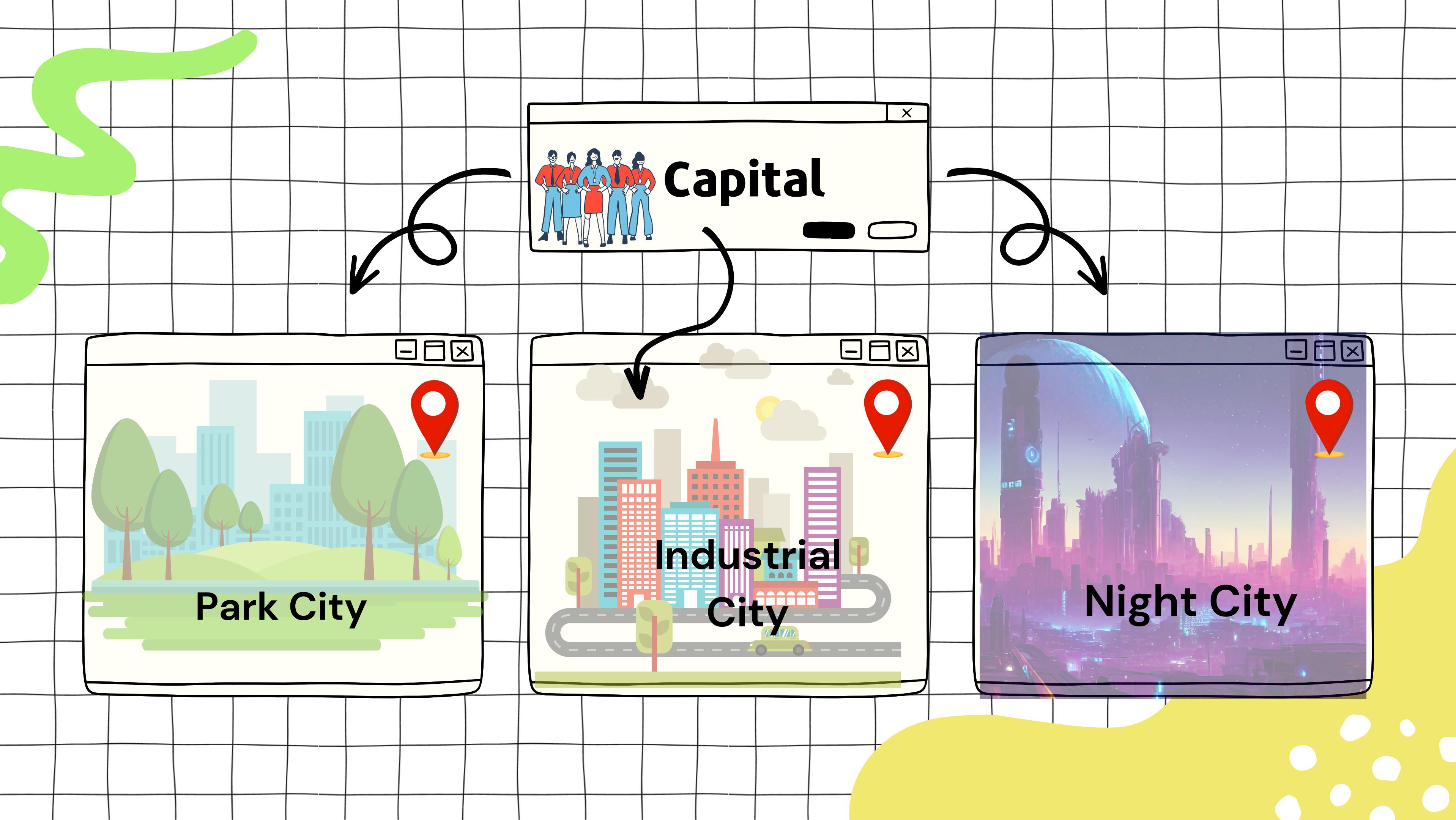
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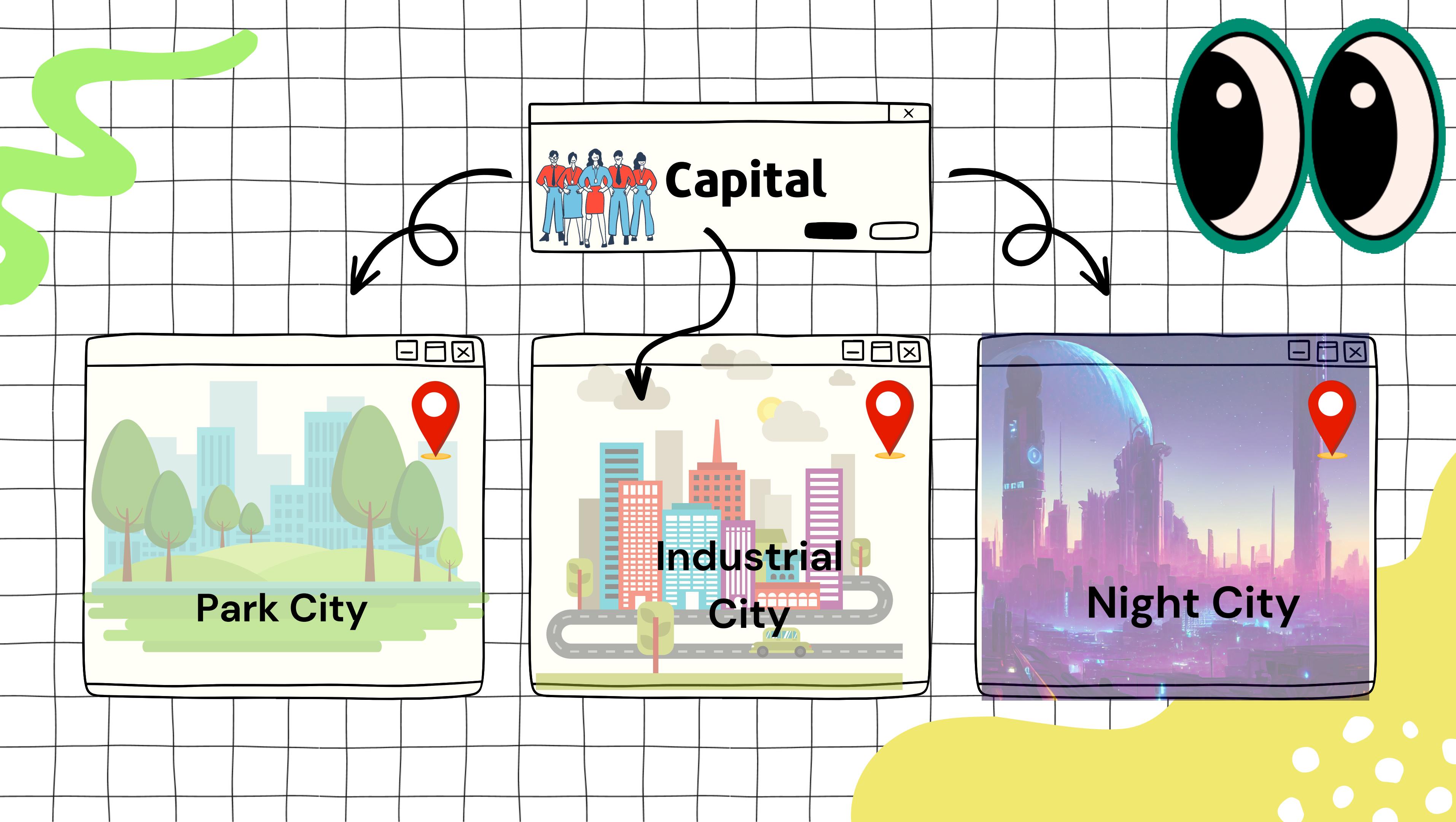
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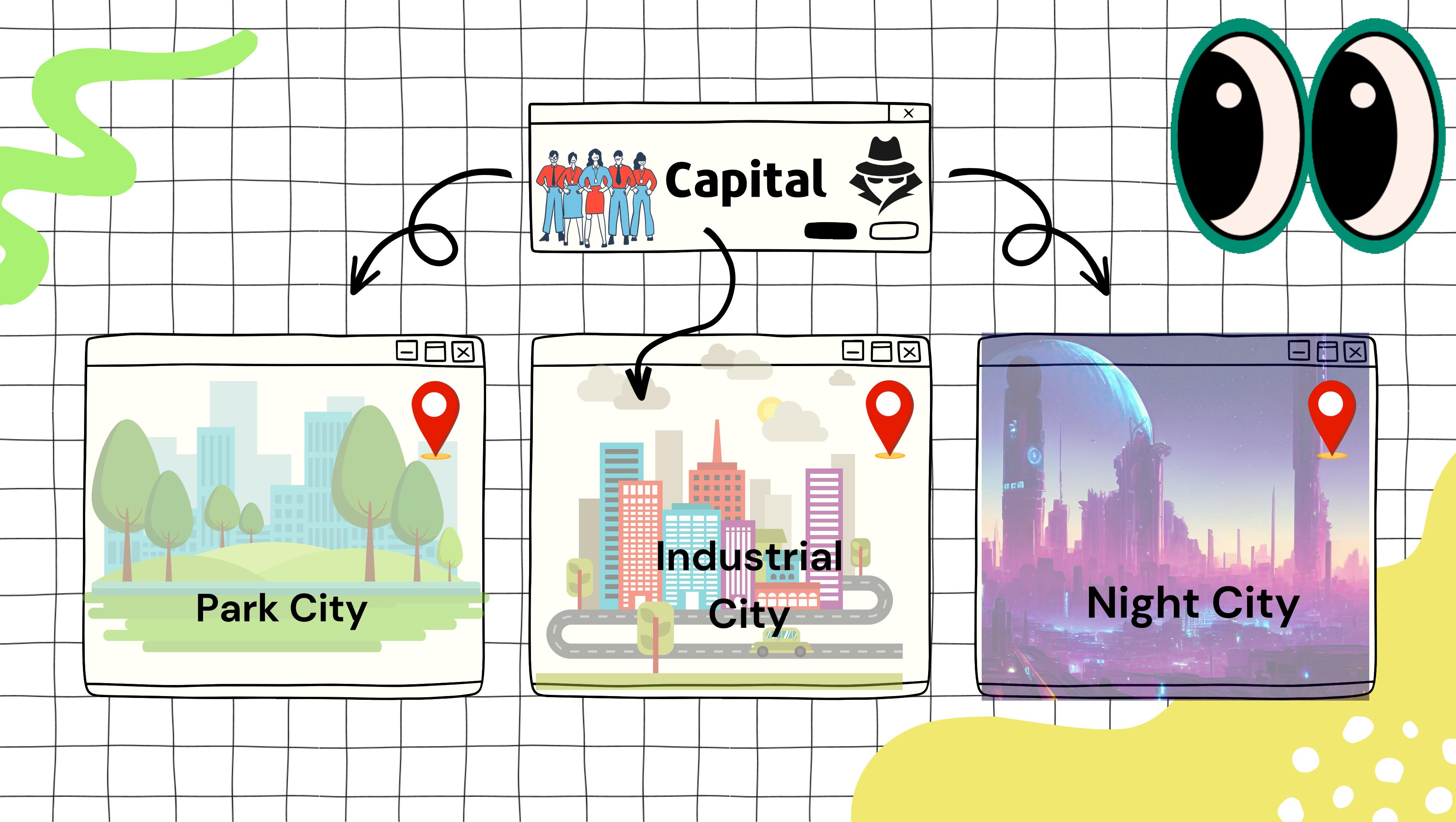
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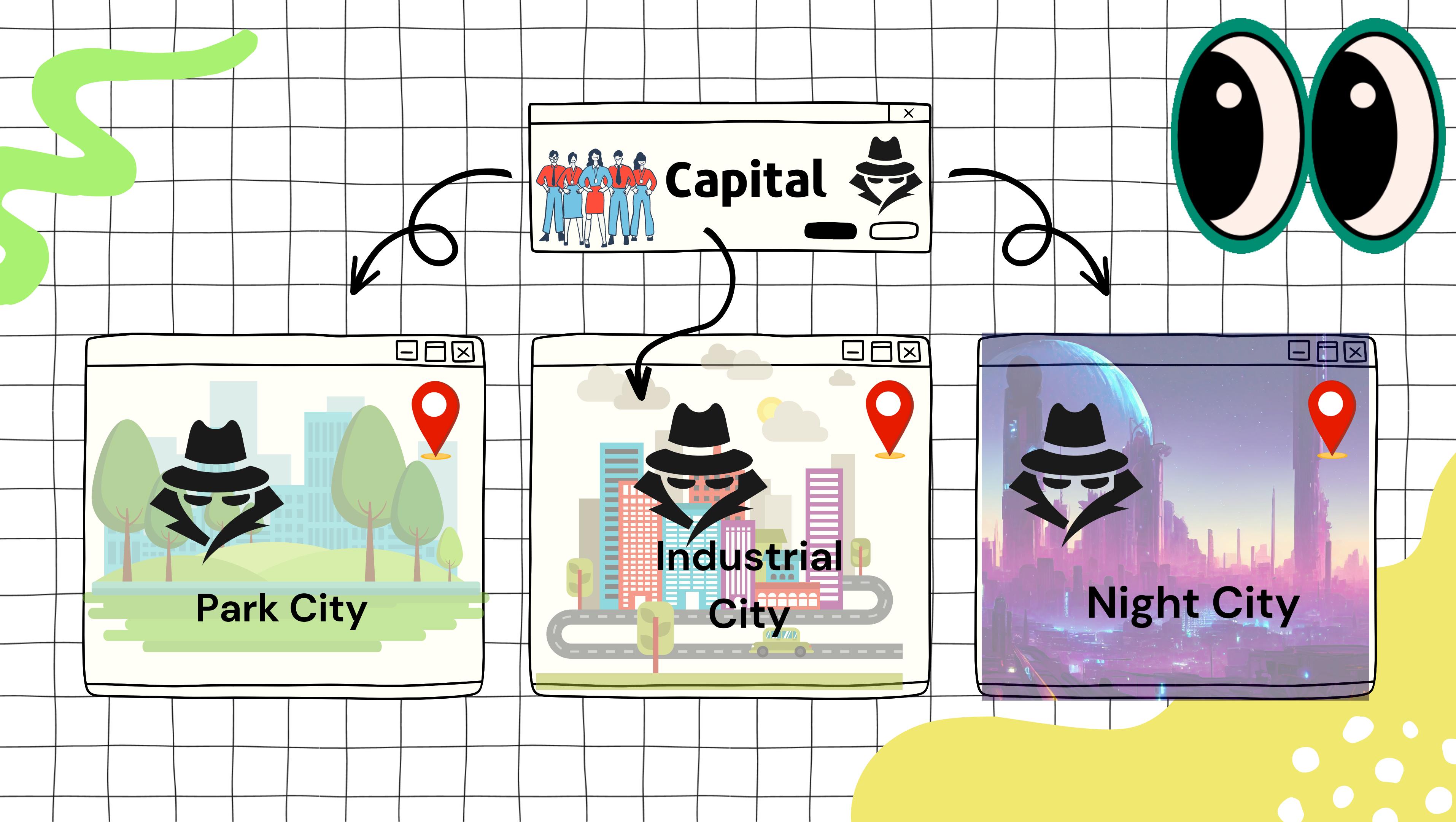
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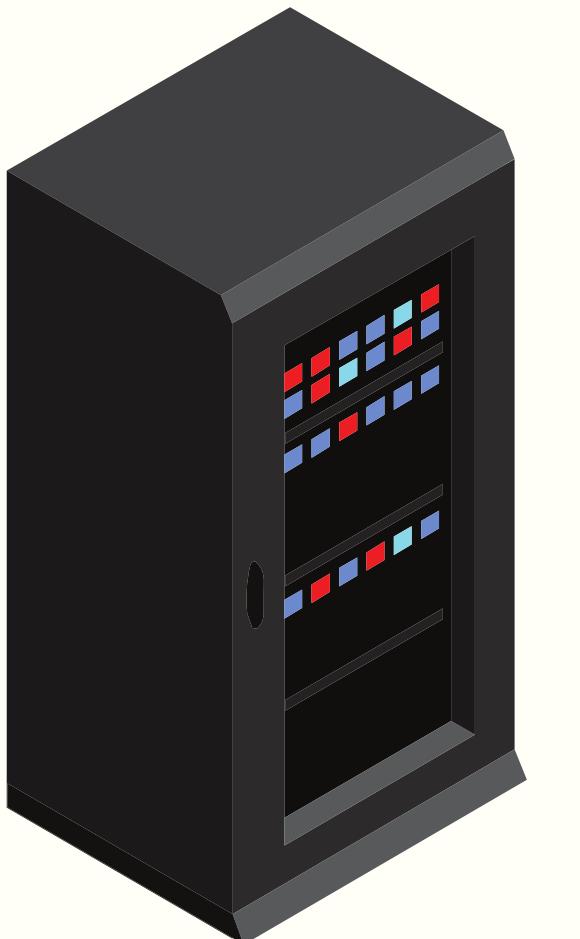


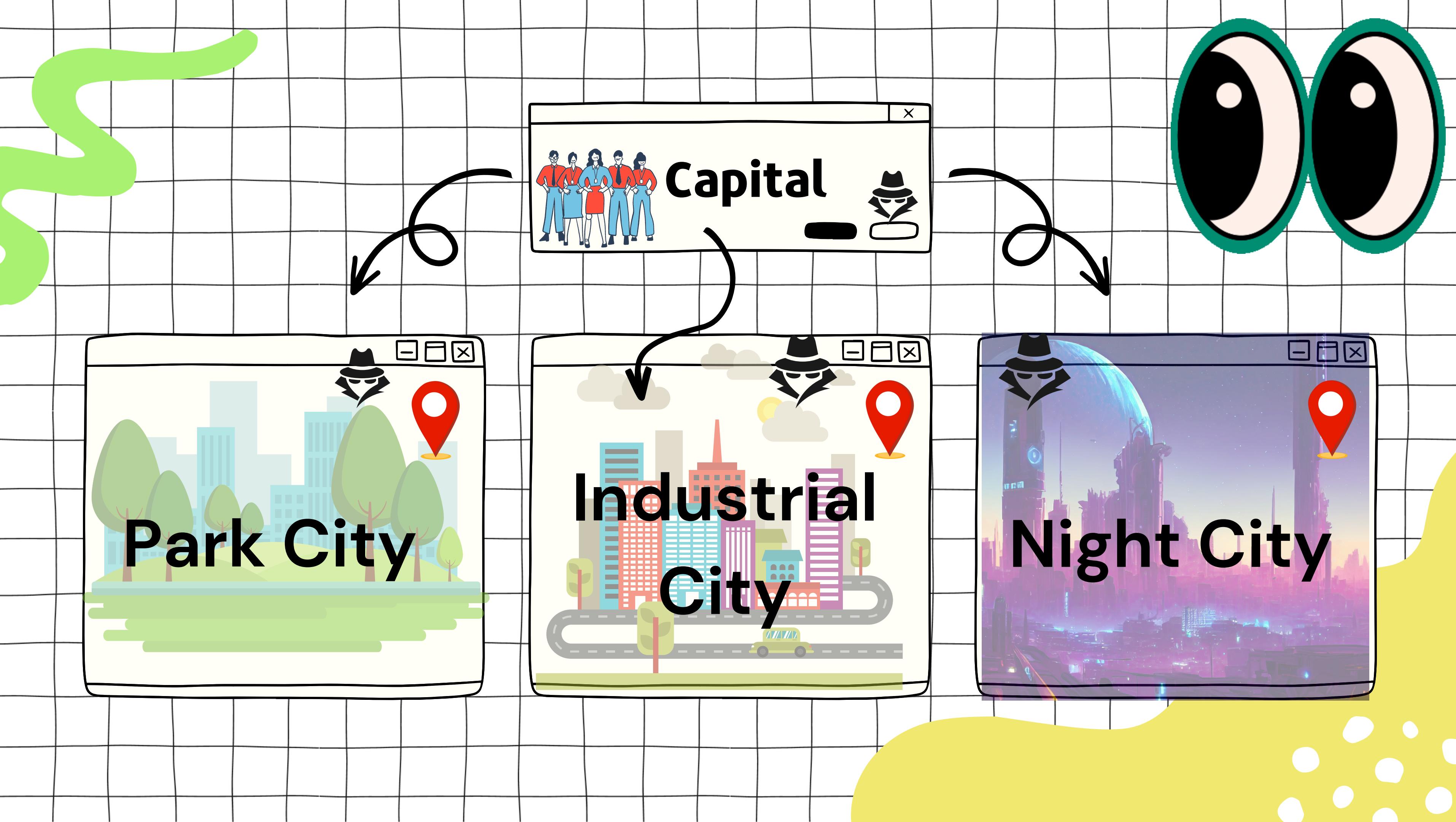
Congratulations

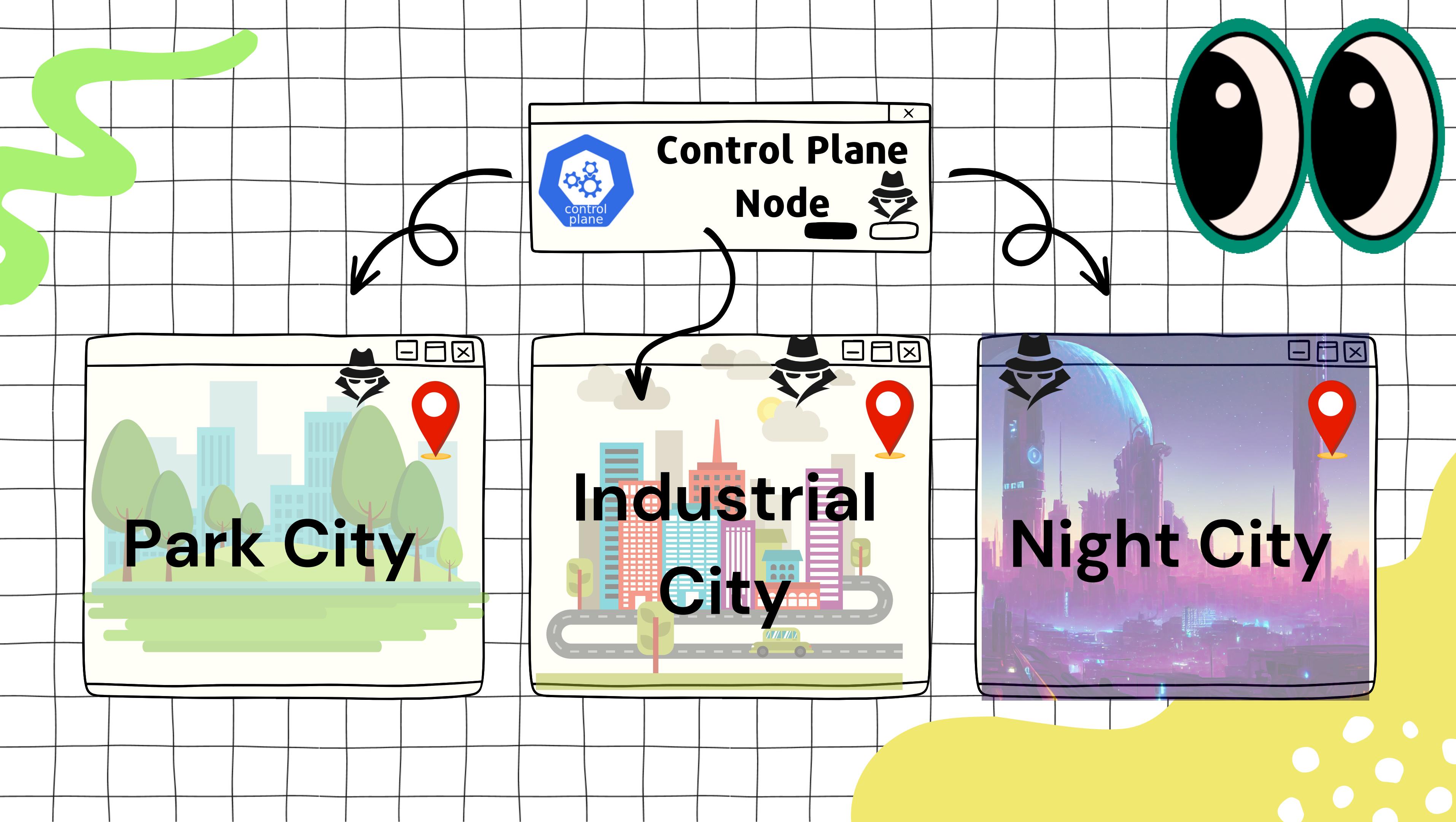
You just learned the entire
Kubernetes architecture

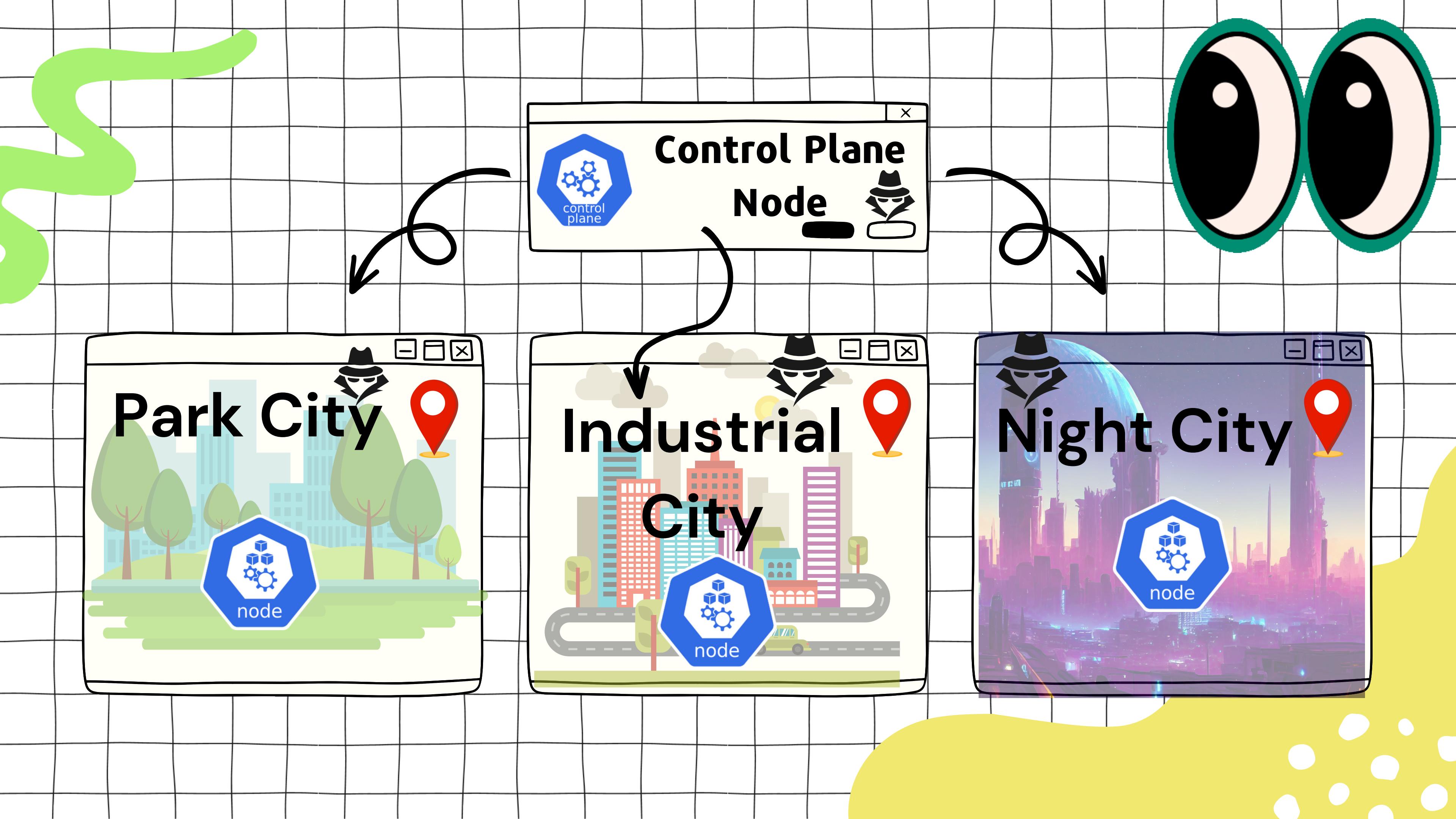


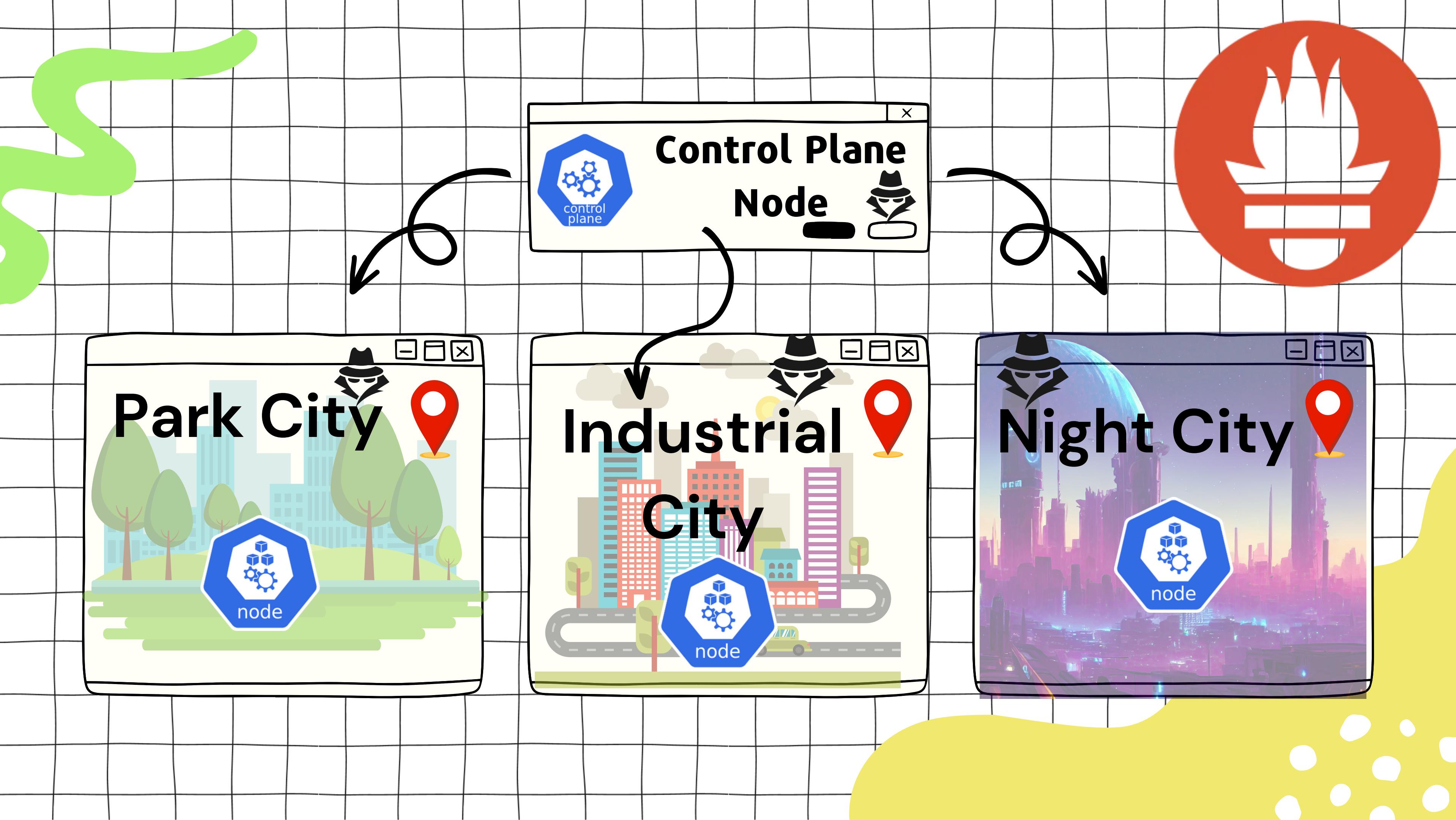
Land











Important stakeholders

- Who makes the decisions?
- Who carries out orders?
- Who makes sure everything is done?
- Who keeps the history?



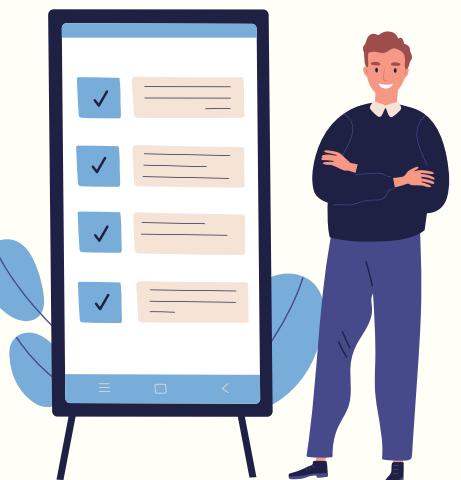
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Manager

- Makes sure everyone works
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Task Manager

- Decide who does the work
- Assign tasks to people
- Decide where to give task



Central Reserve

- What were past commands?
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Important Components

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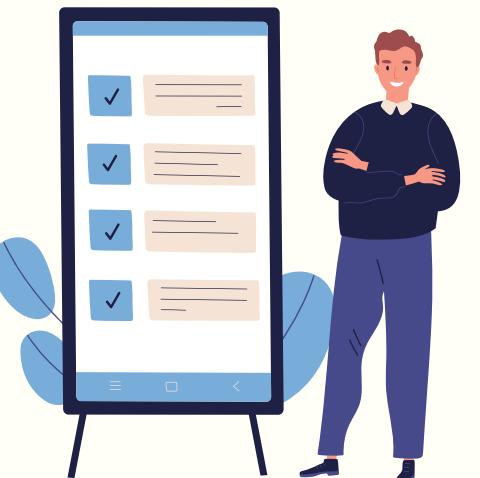
kube-api Server

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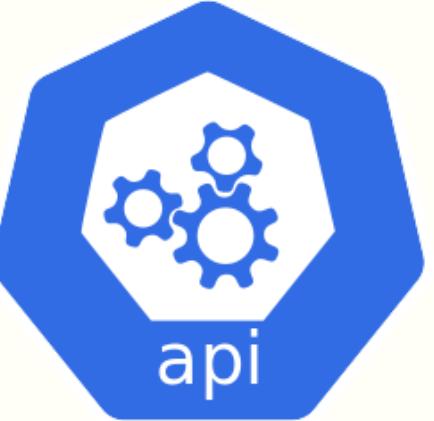


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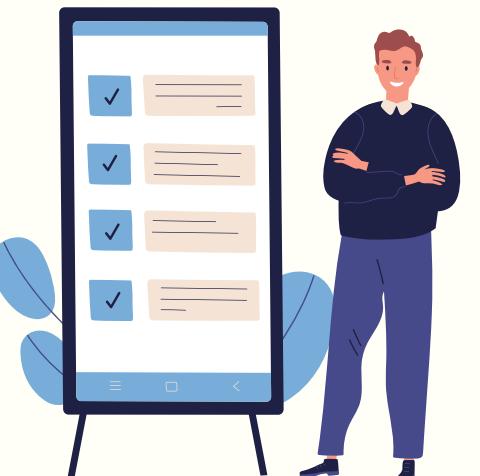
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Controller Manager

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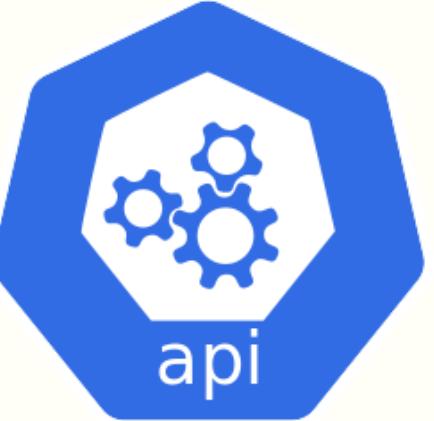


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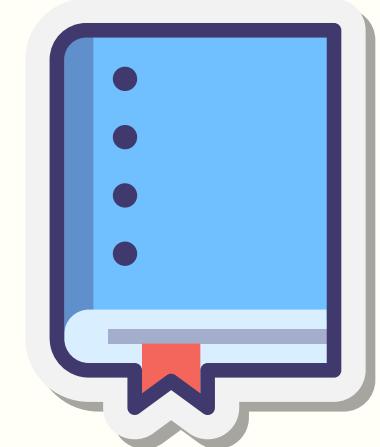
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Kube Scheduler

- Decide who does the work
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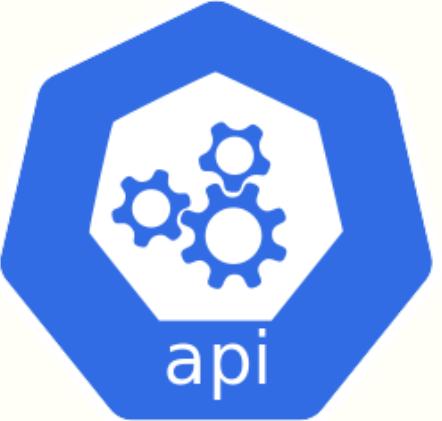


Central Reserve

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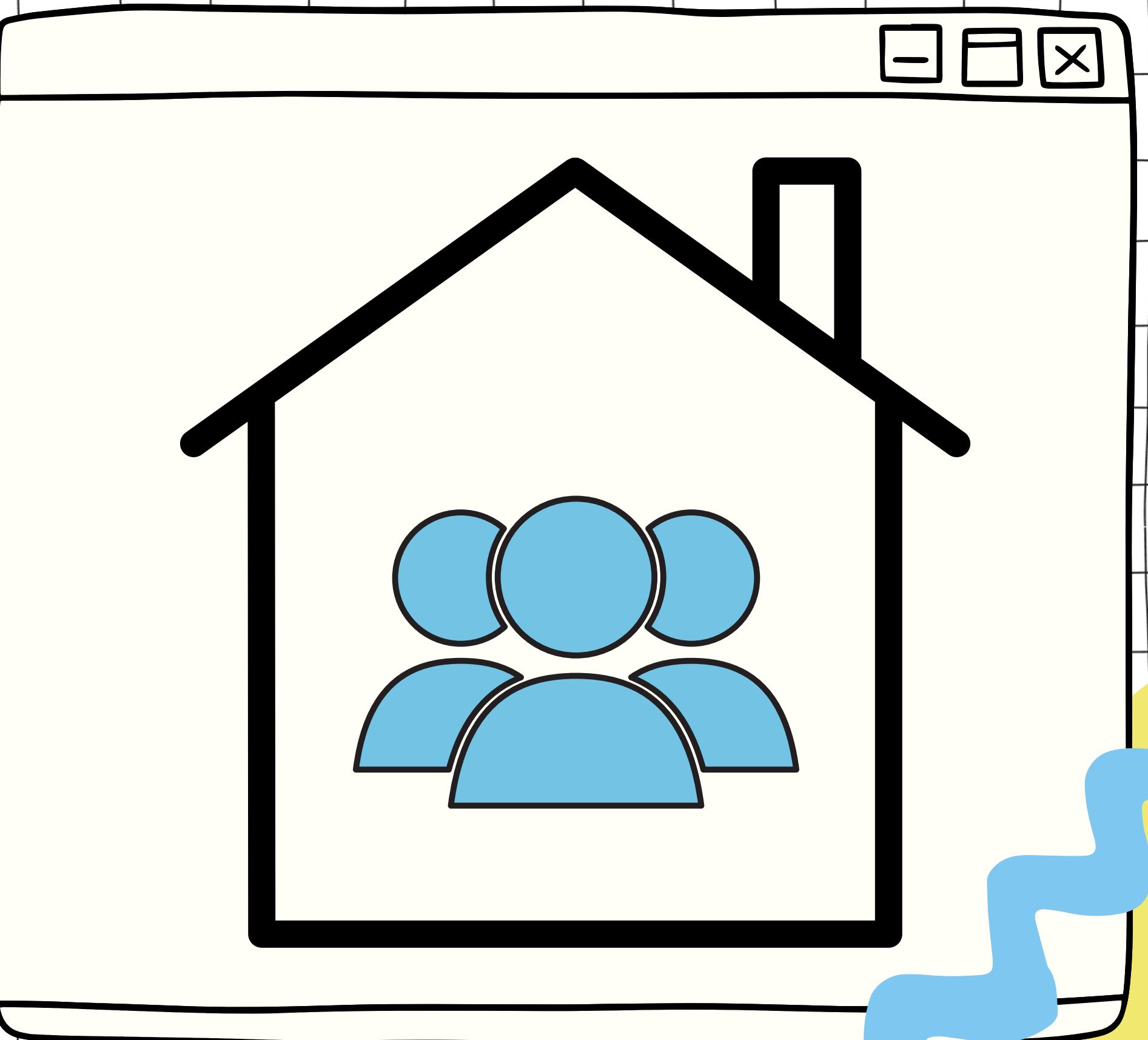
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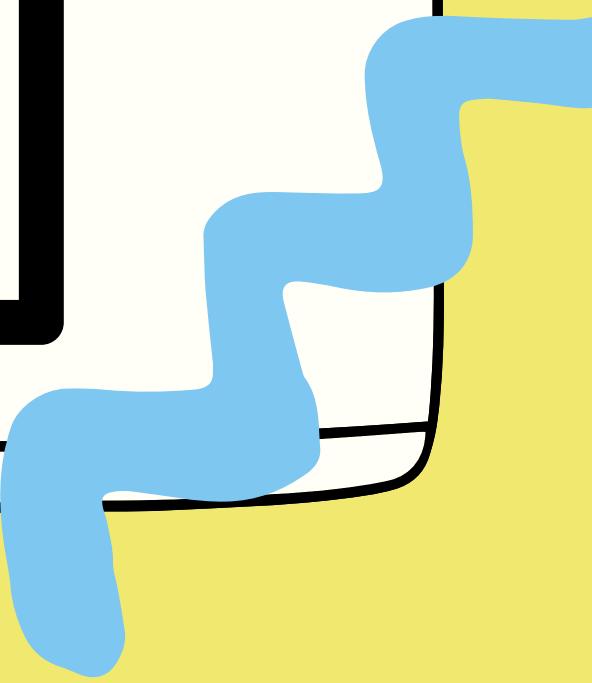
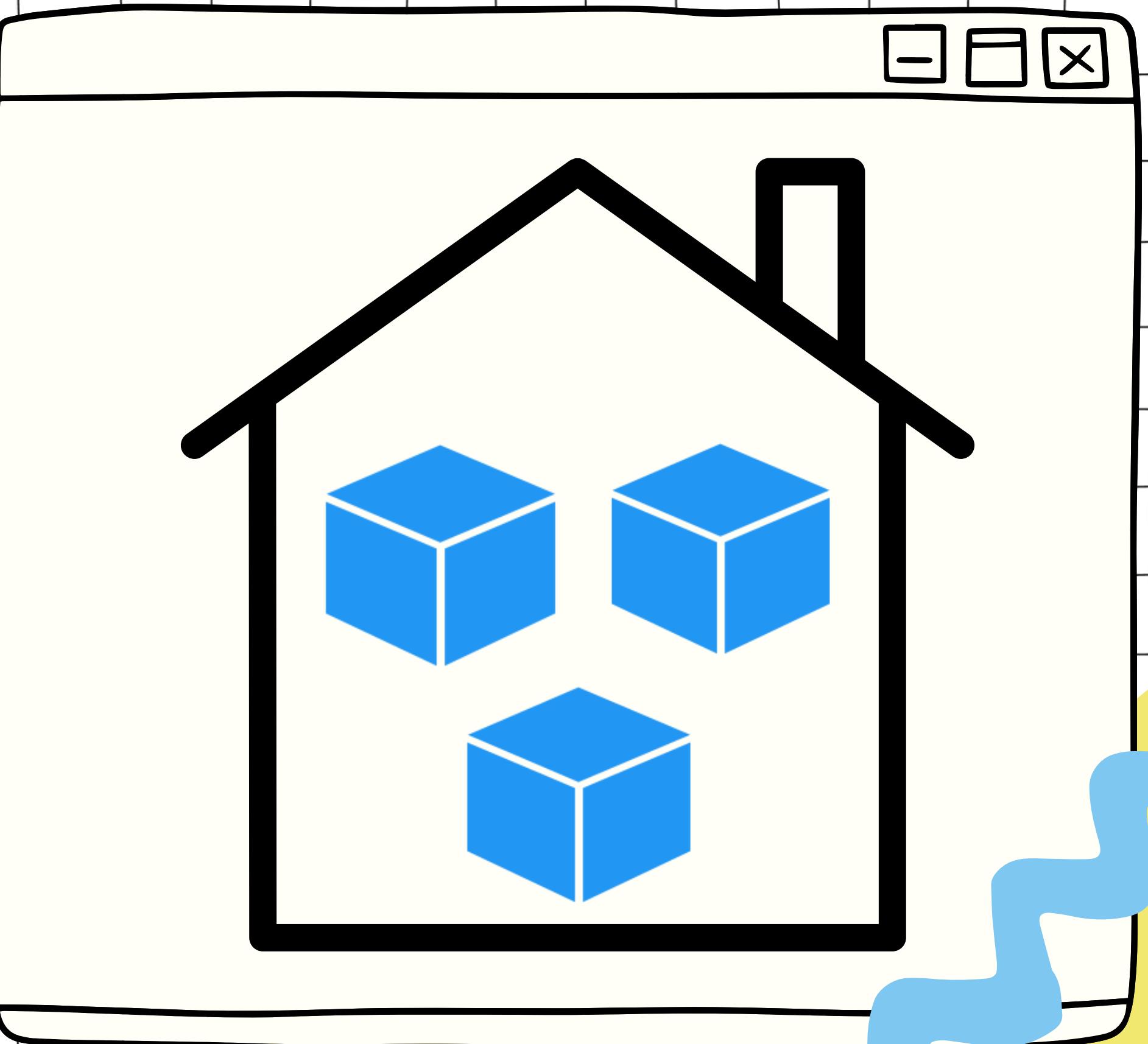
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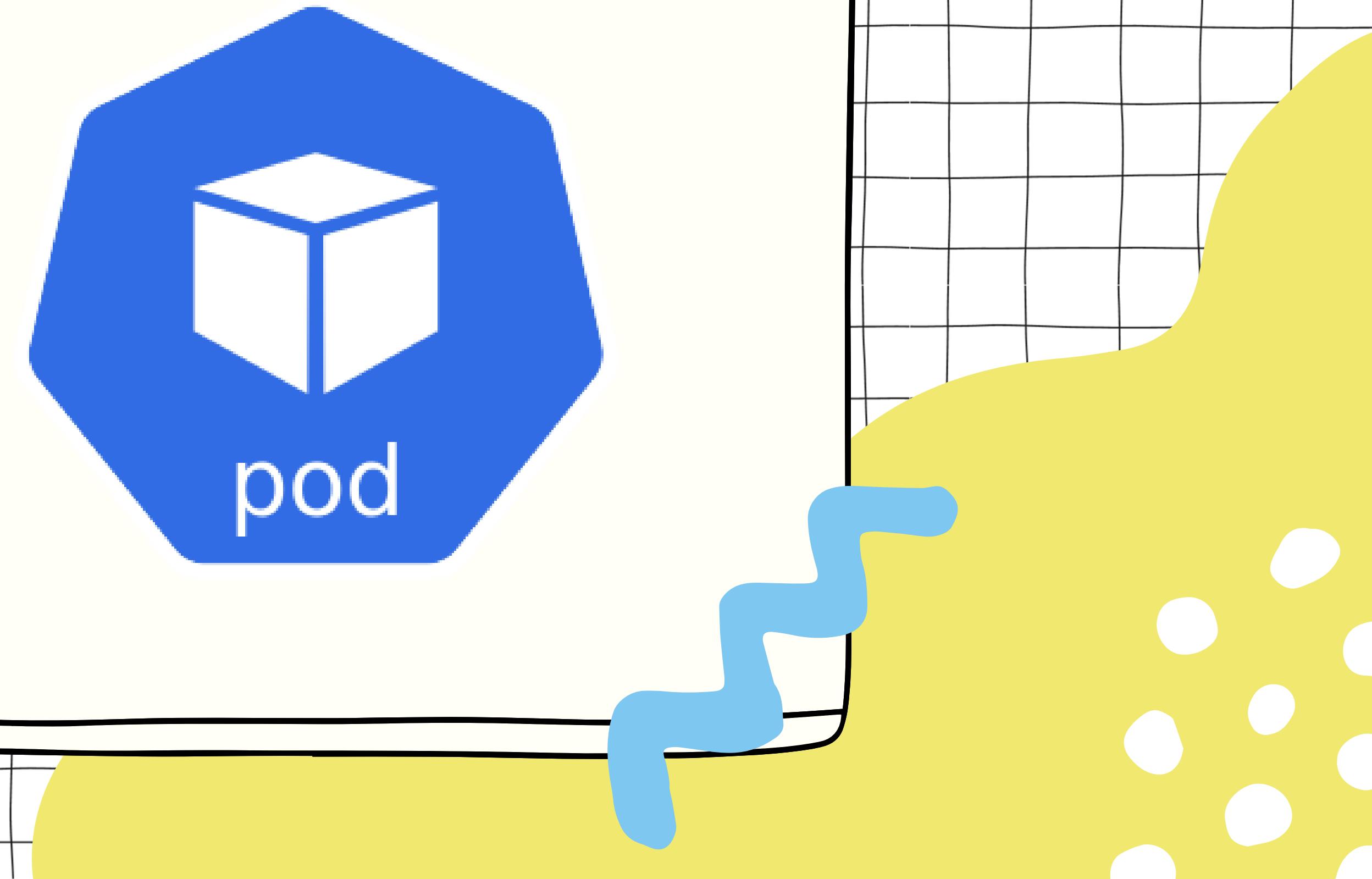
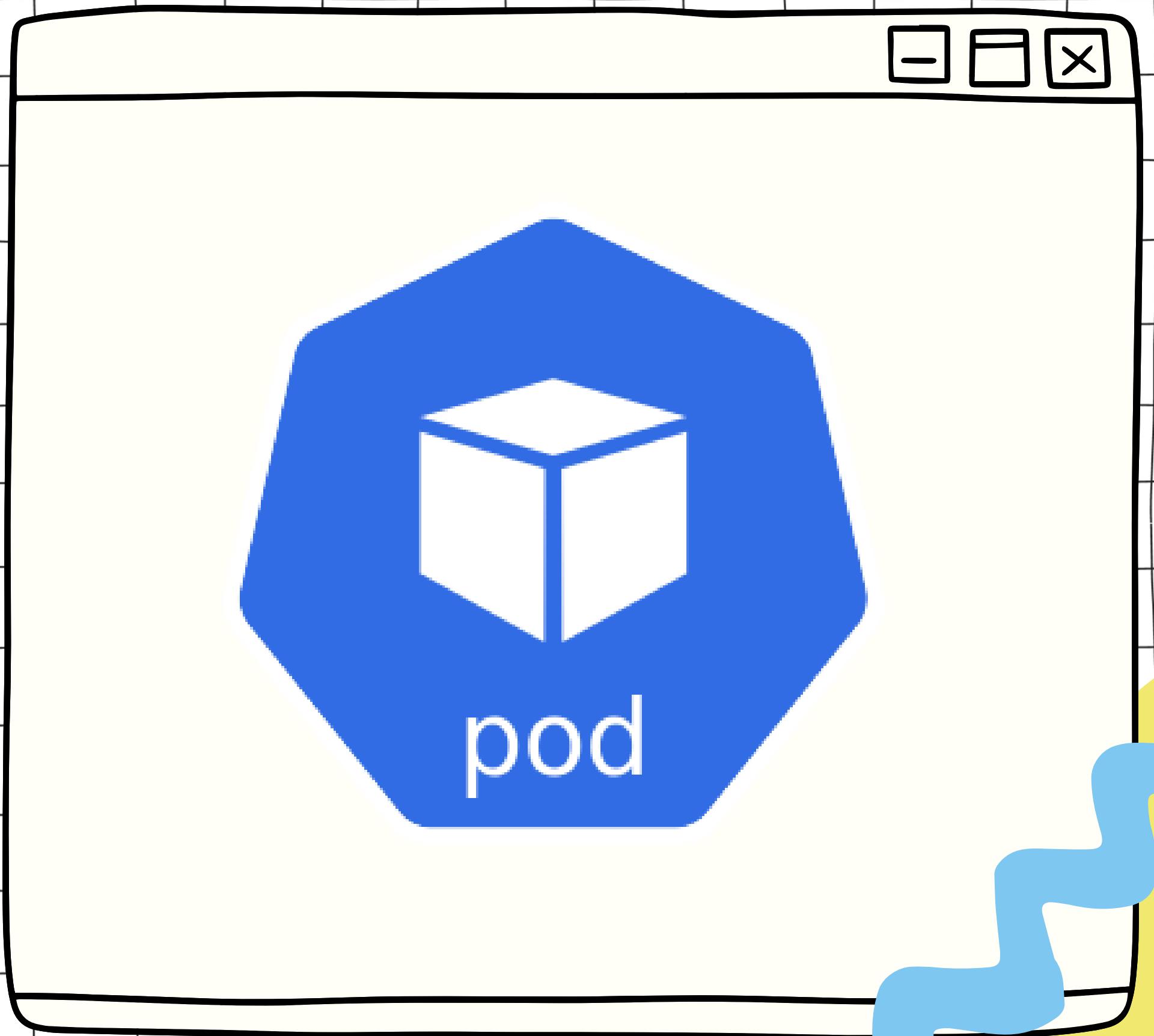


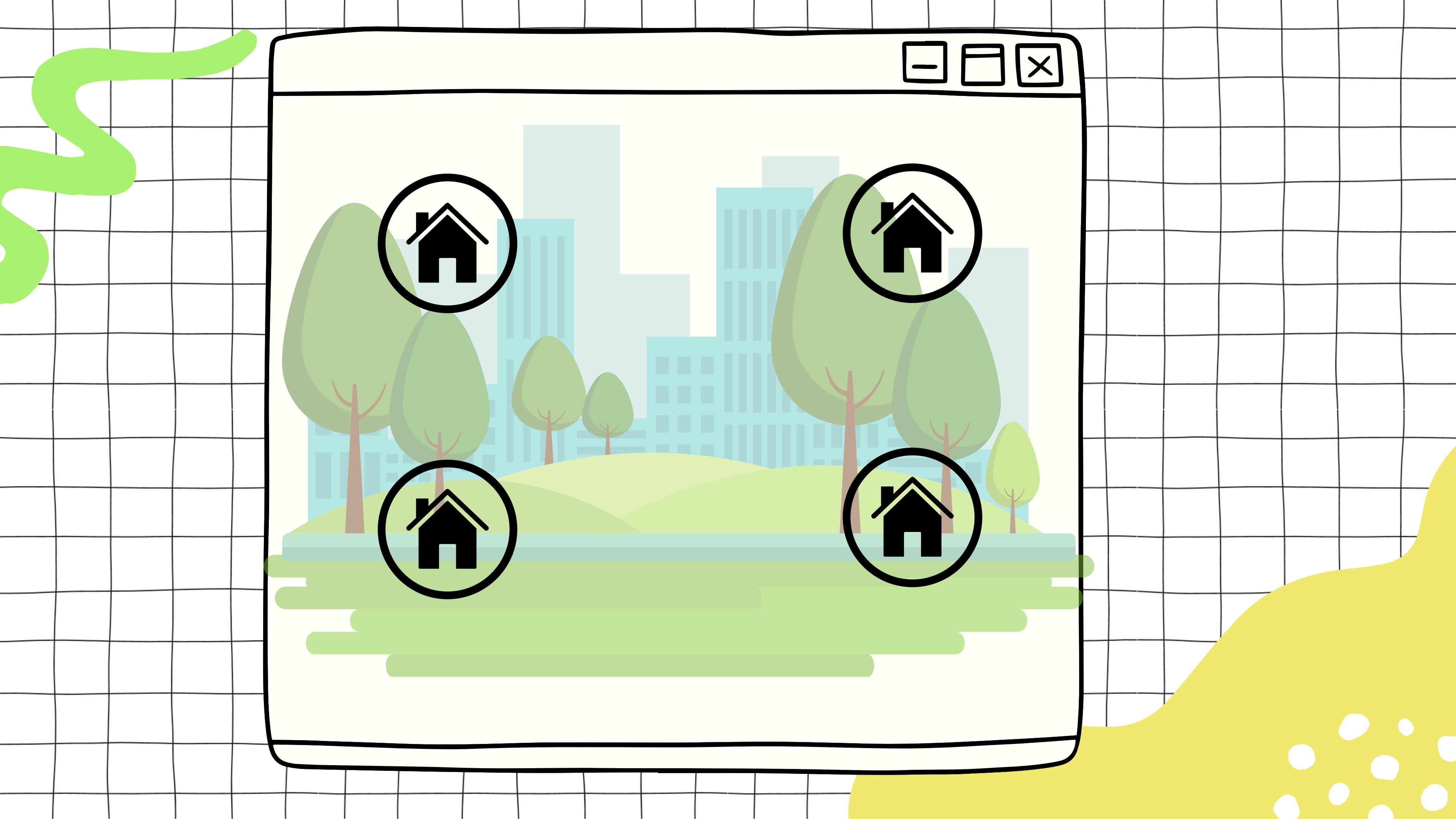
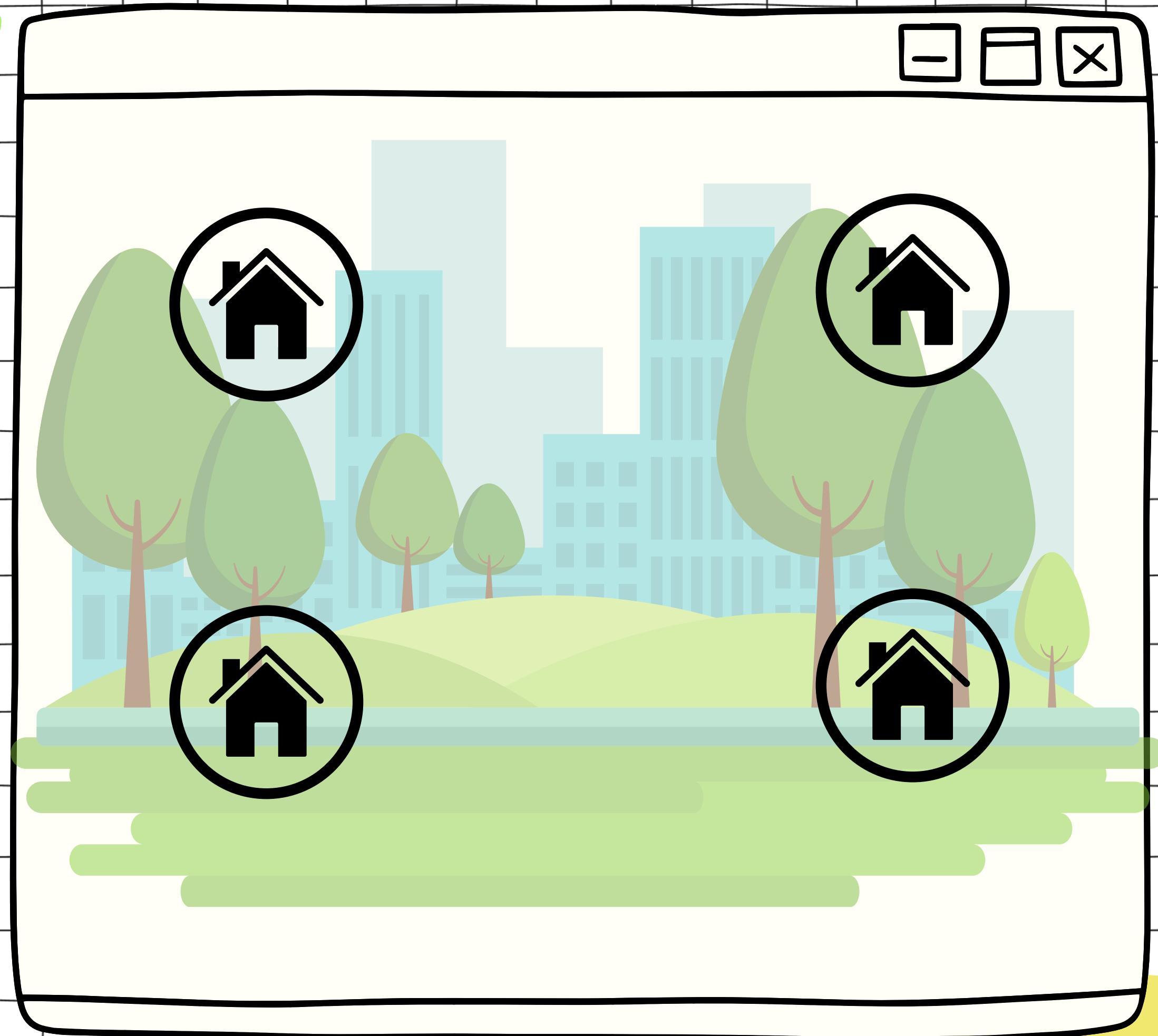
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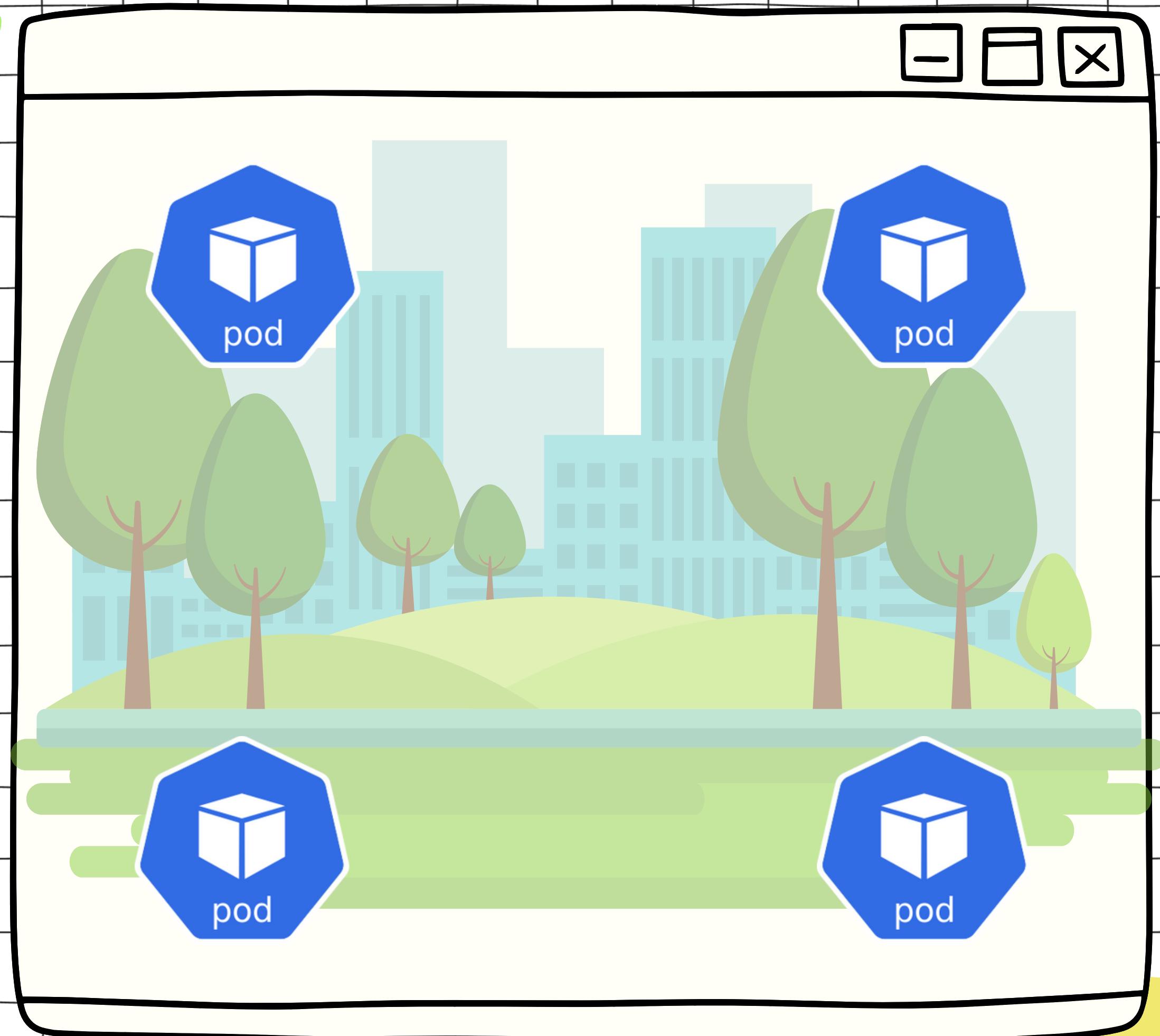
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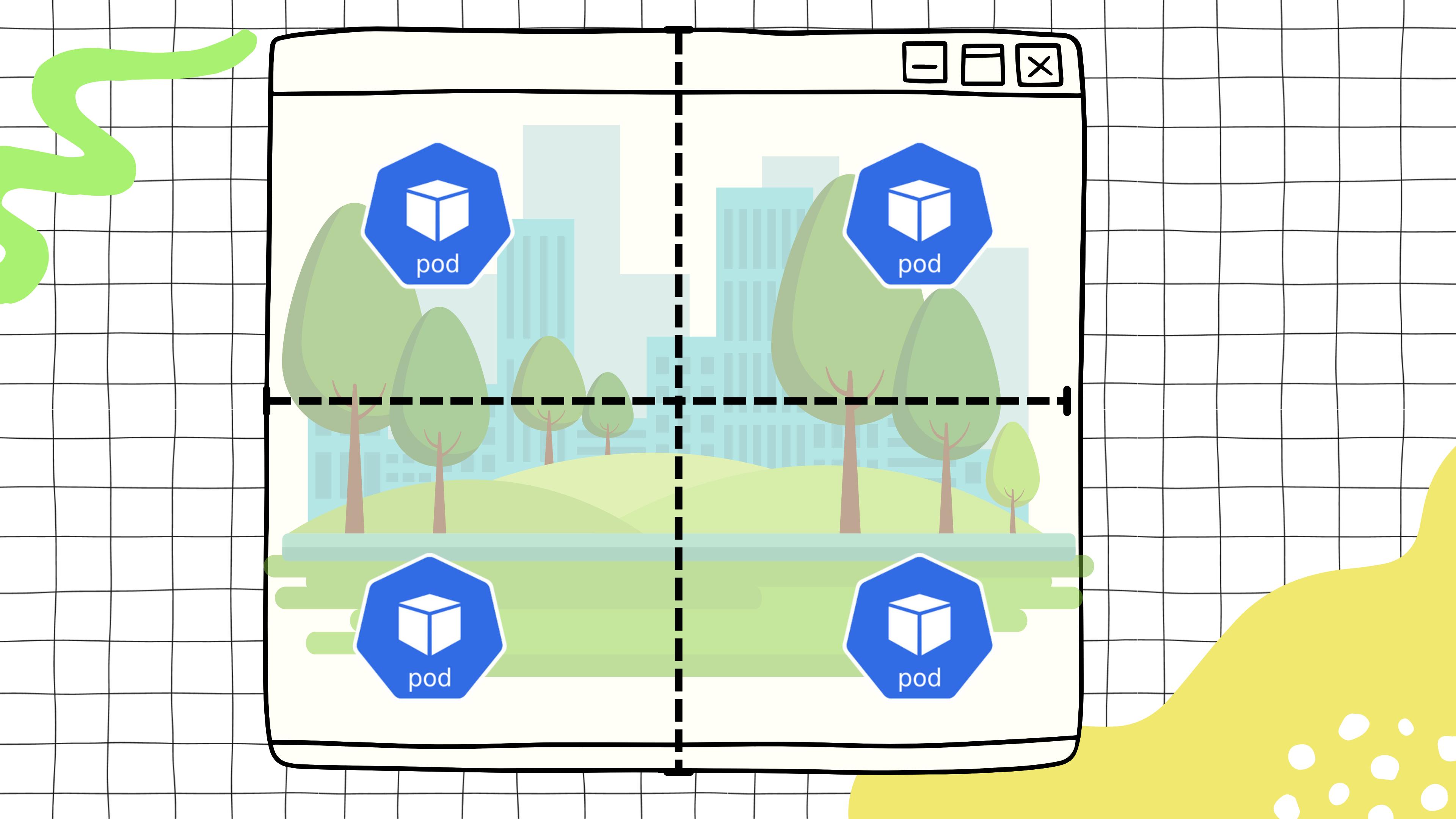


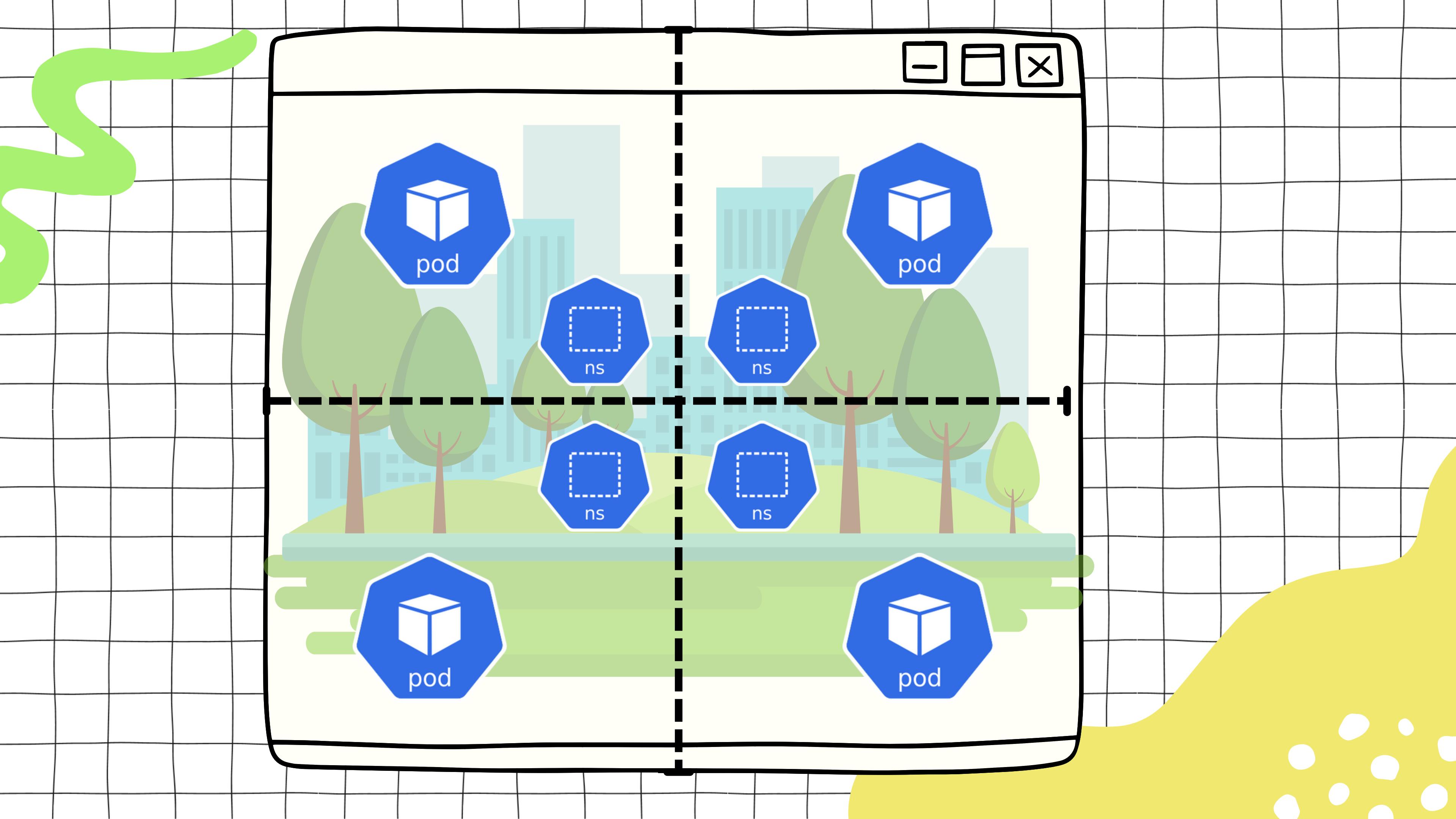


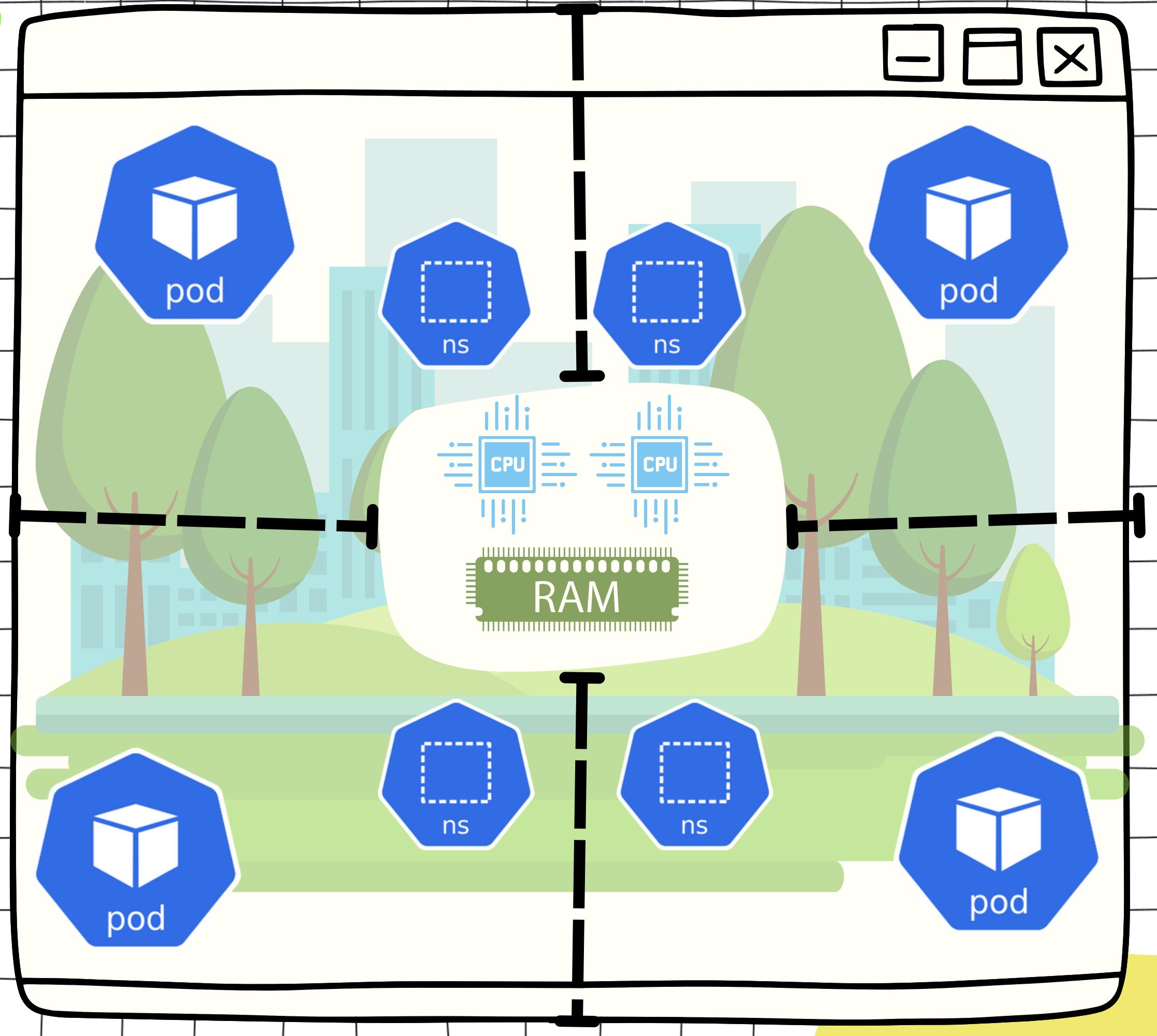


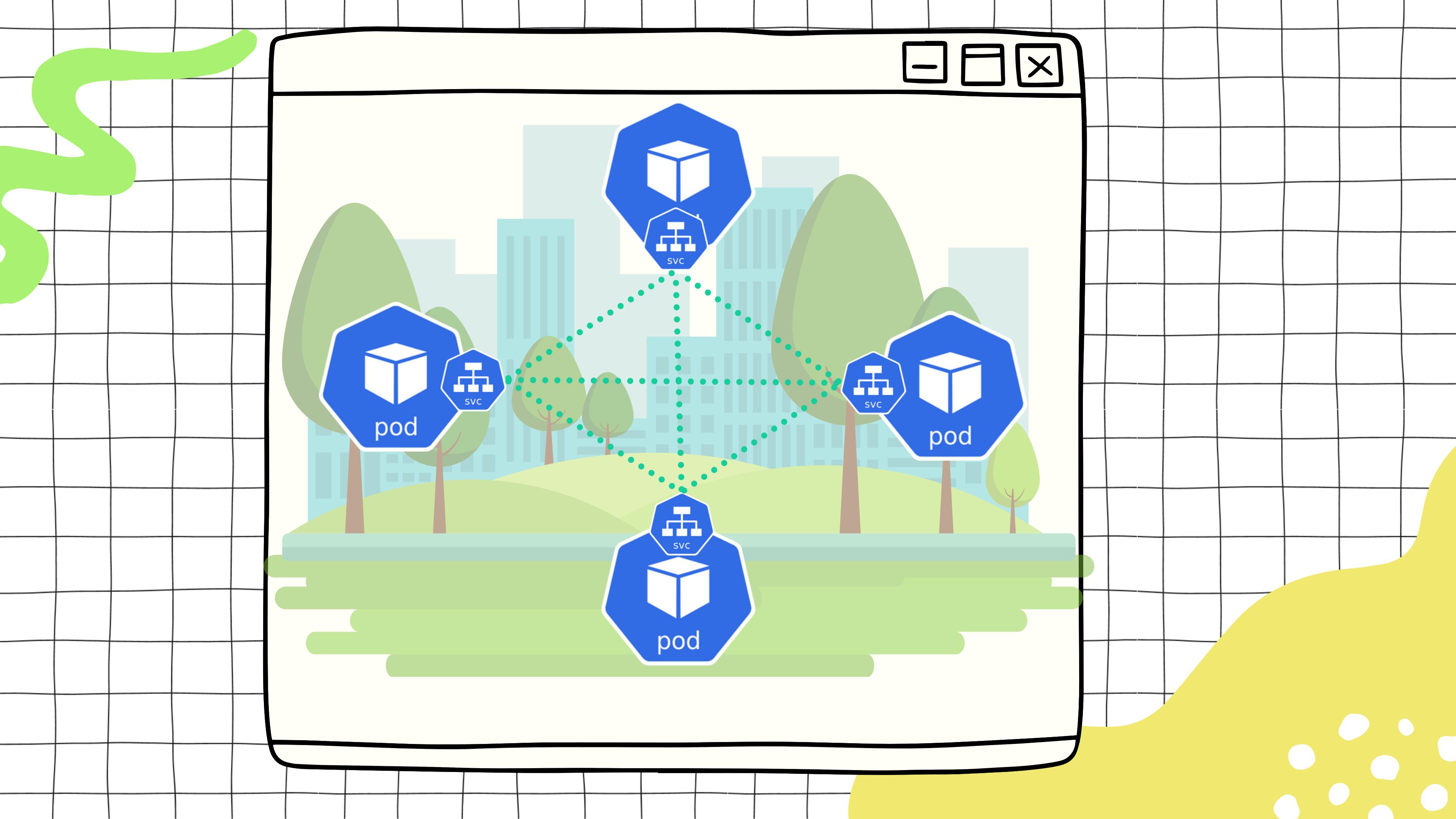








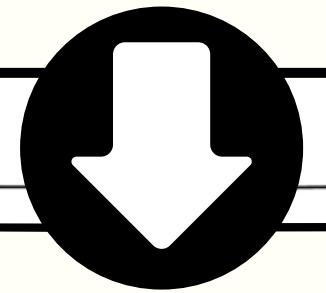
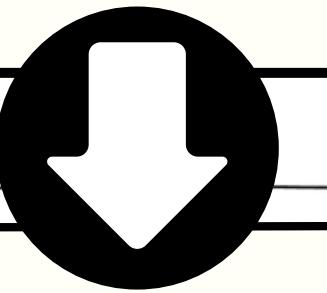




The hardest workers

The ones who do the dirty work to build and maintain the Nation

...



Builder

- Builds houses
- Rebuilds destroyed houses based on a contract
- Make sure people stay in houses
- Exist in every city

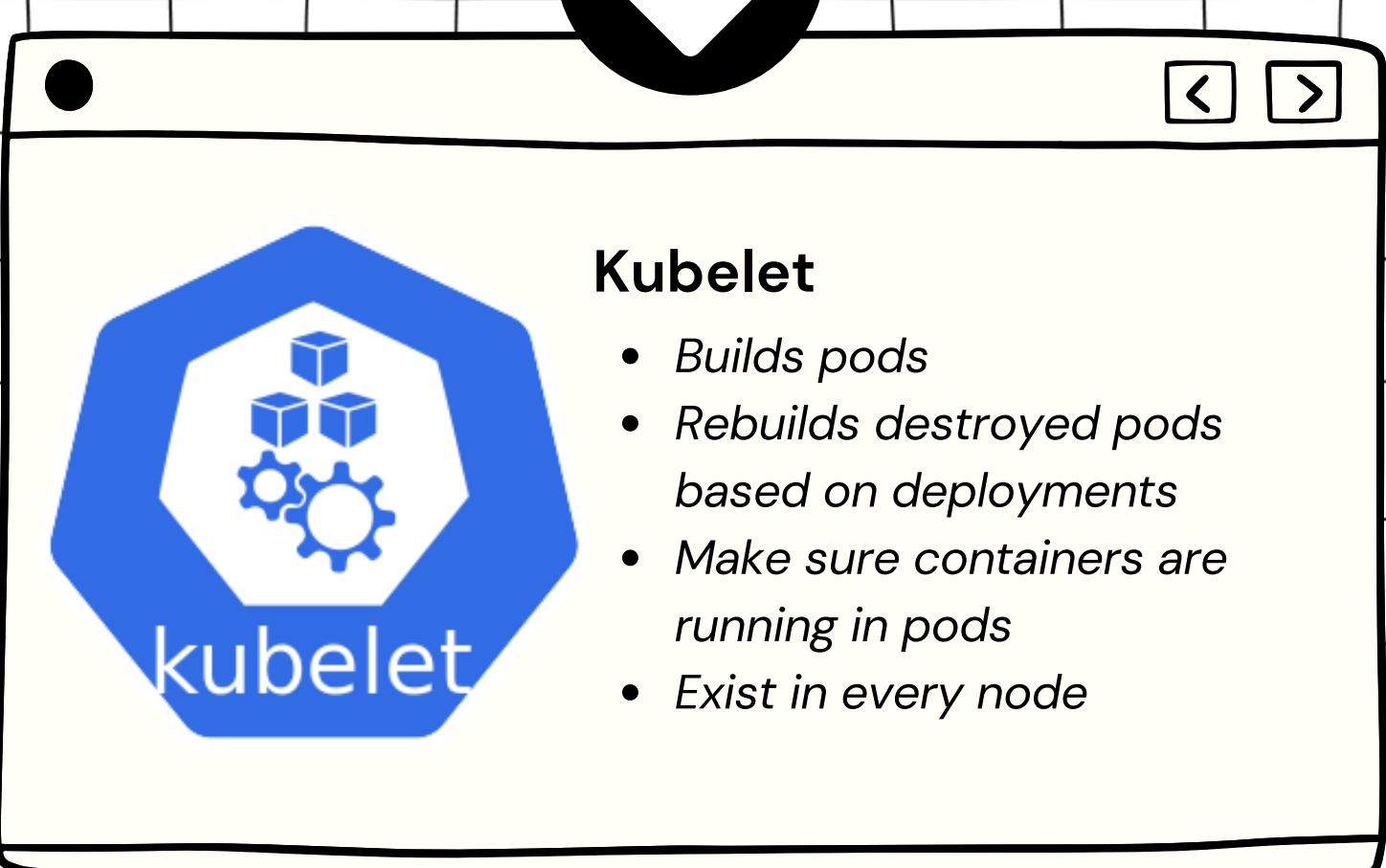


Communications

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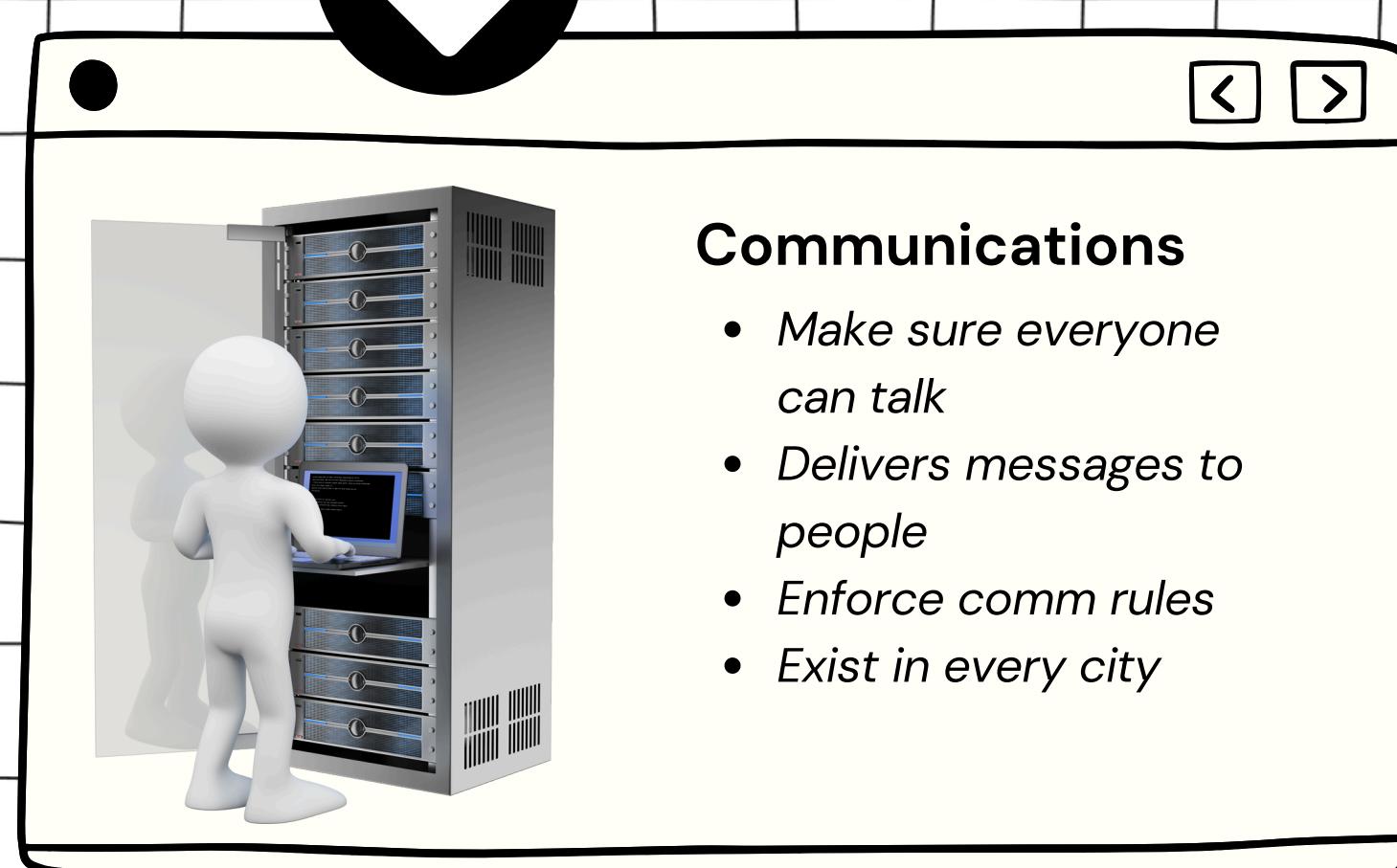
The hardest workers

The ones who do the dirty work to build and maintain the Cluster



Kubelet

- Builds pods
- Rebuilds destroyed pods based on deployments
- Make sure containers are running in pods
- Exist in every node

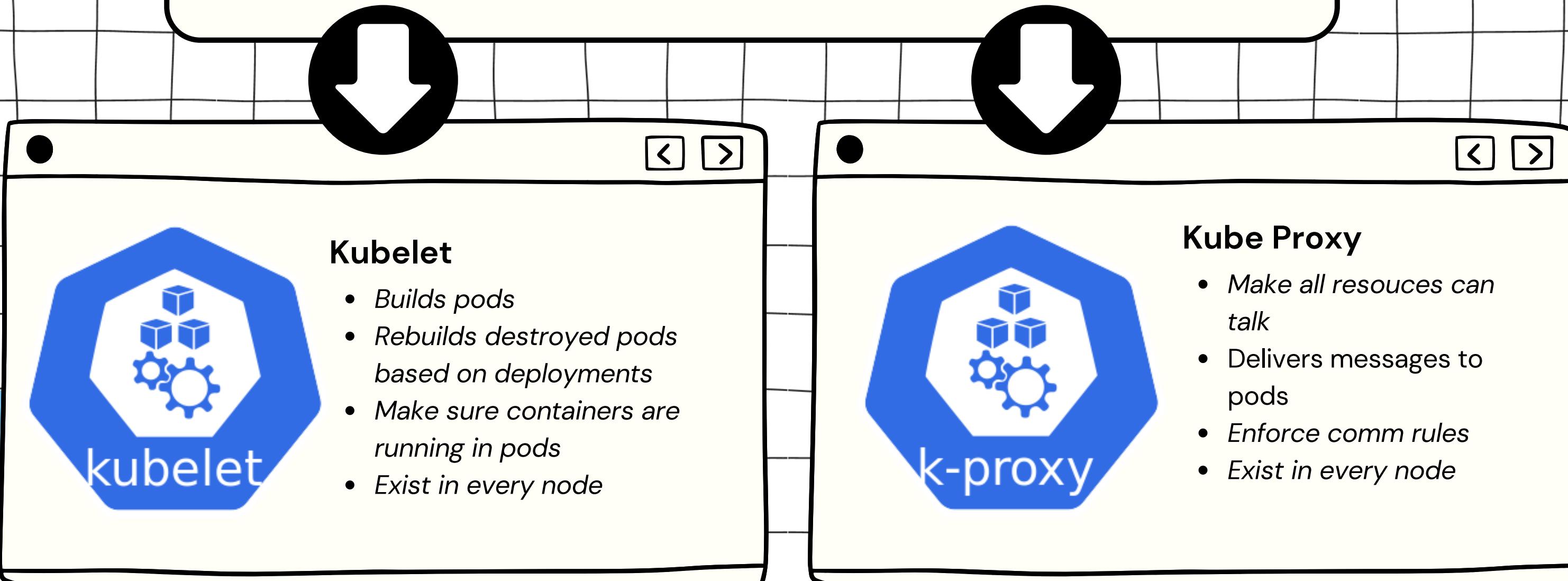


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Who's protecting the country?

Security is important Jackie!!!

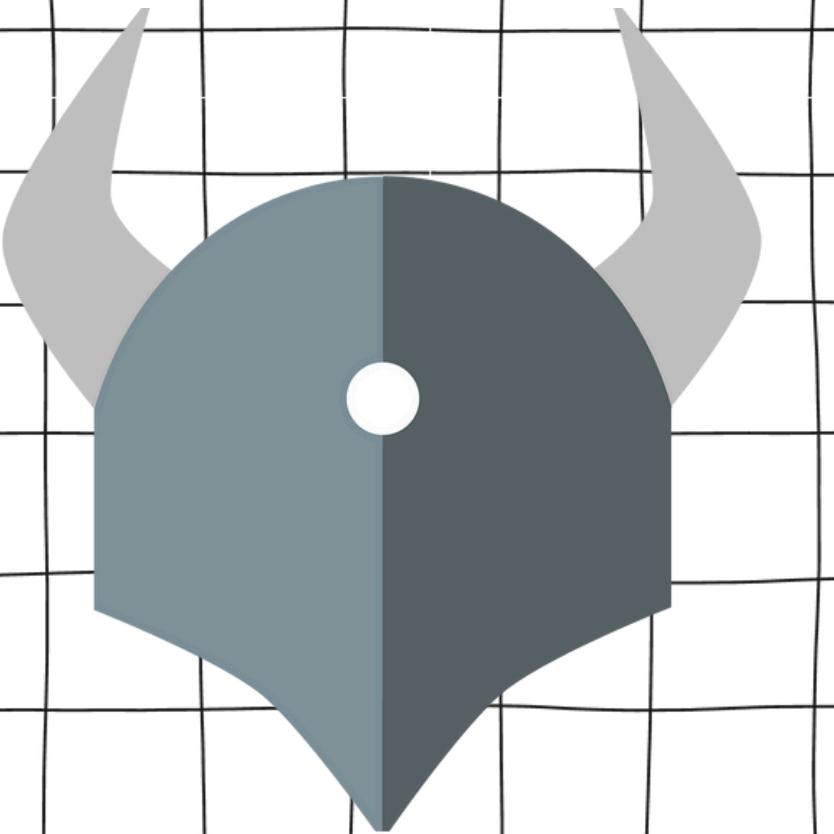
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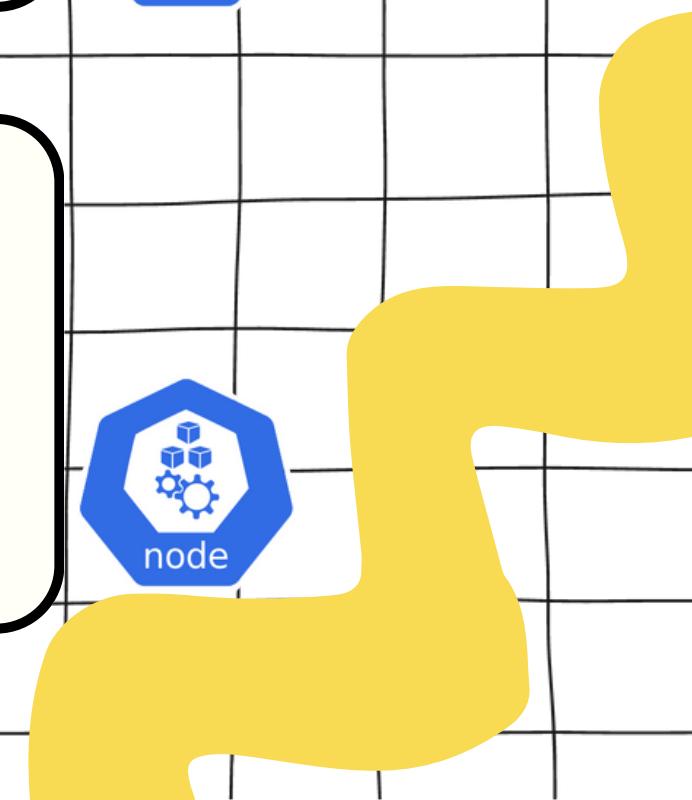
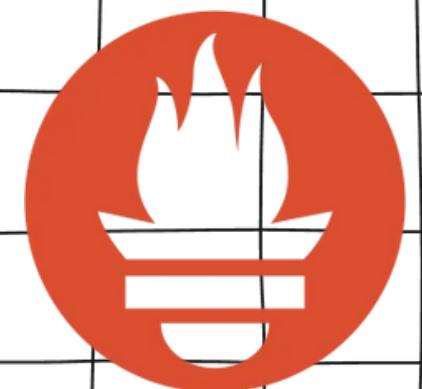
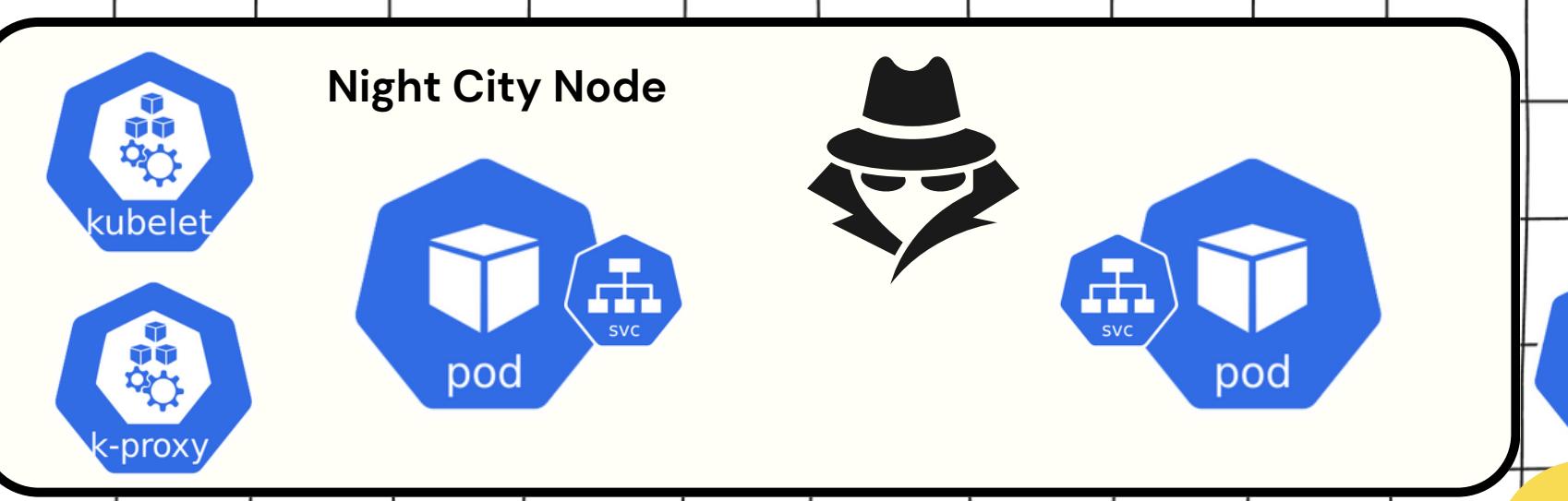
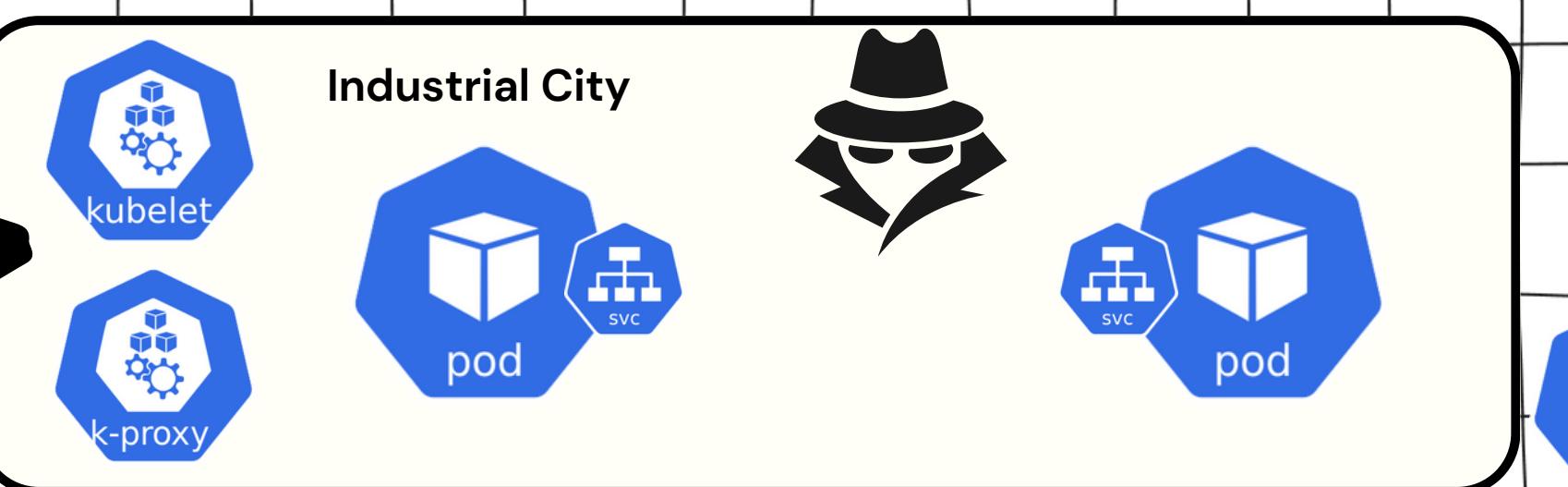
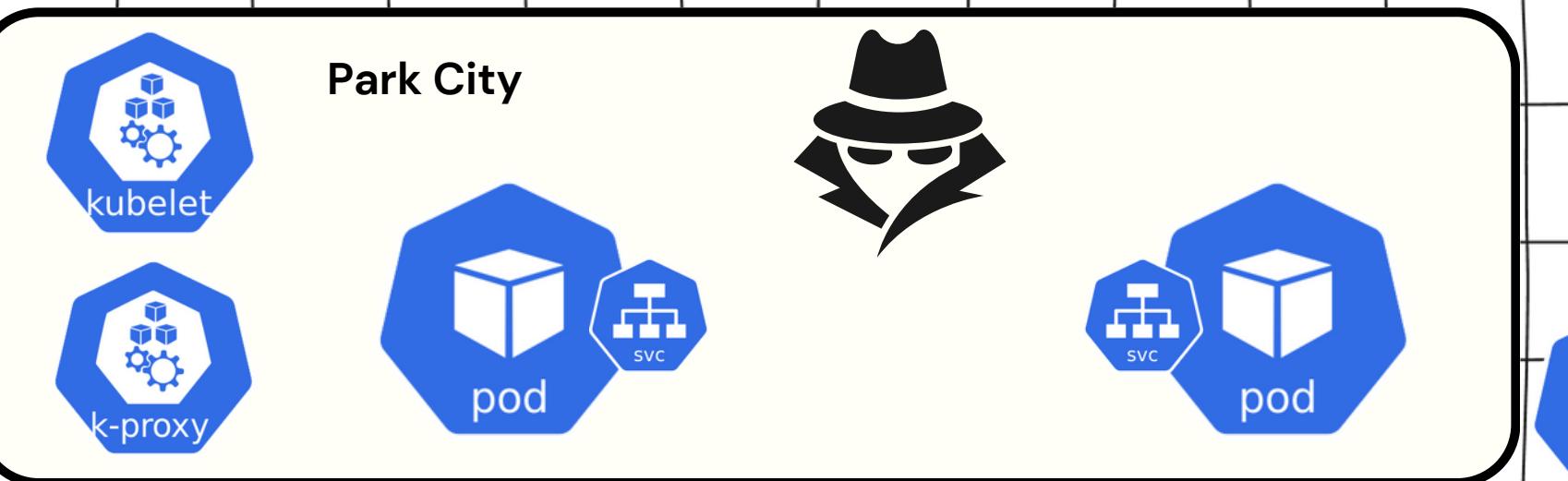
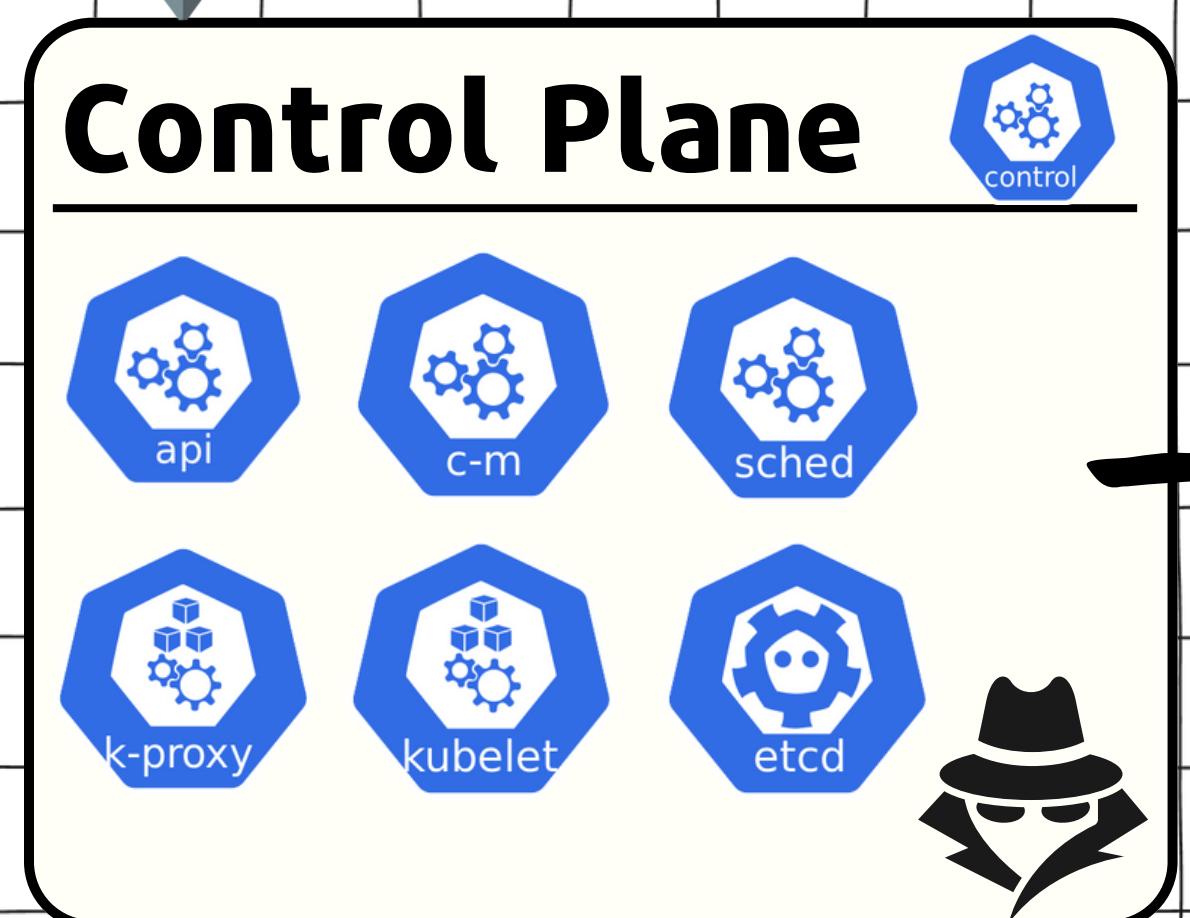
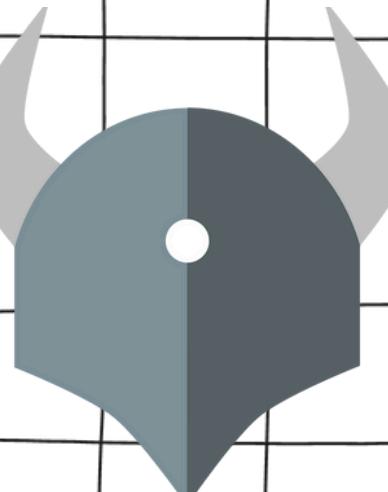
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country?**

Security is important Jackie!!!

...



Open Policy Agent





Siddhant Khisty
Product Executive

X i_siddhantk



Aakansha Priya
DevRel

X AakanshaPriya_

THANK YOU

Resources

