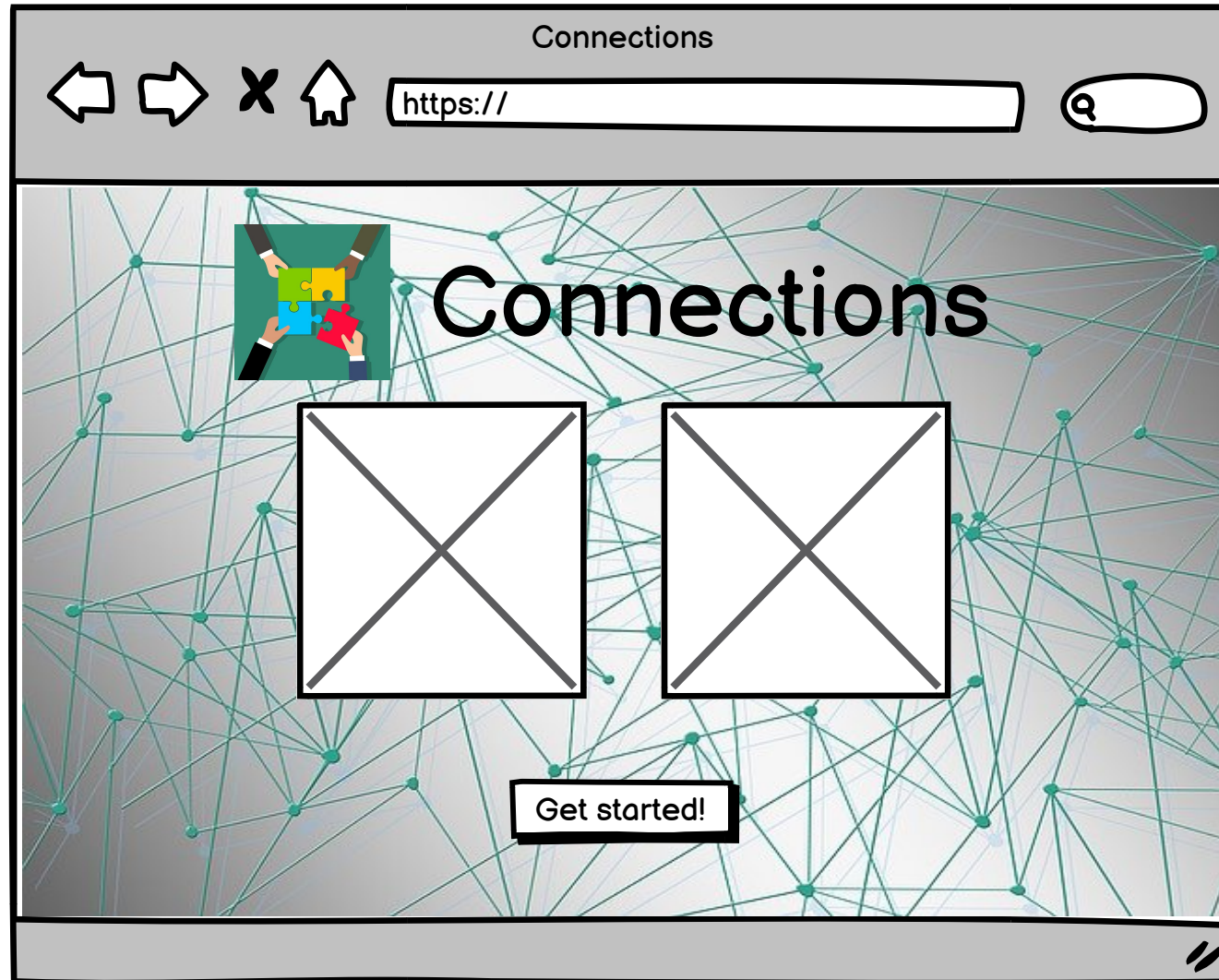


Images could be a couple screen shots of sample lessons



Forgot Password

Email:

Get new password

Check your email for a link.

If I can figure out how to add "Sign in with Google Classroom" functionality, this screen may change. I want it to work like Desmos does...

Connections

← → ✕ 🏠

https://login

🔍

Connections

Back again??

Login

Email:

Password:

Login

[Forgot password?](#)

First time here?

Sign Up


* Name:

* Email:

* Password: ?

* Re-type:

Sign up

 Sign in with Google

A student would link to a student options page (if there are any) or directly to the lesson.

A teacher would link to a teacher dashboard.

Use AJAX to preserve registration information in the case of errors...

Use AJAX to prompt when email/password need improvement BEFORE submitting the form.

Connections

https://new_password

Reset your password

* Password

?

* Re-type






Save Password

Student Settings

This screen only shows up if the teacher allowed students to choose.

Otherwise, it gets skipped and student goes right to the lesson screen.

Connections



Which would you prefer today?

☐ I want full credit for my ideas!

Everything you post will be labeled with your name.

☐ I prefer some privacy





Your teacher will still know which ideas belong to you.

Your classmates will see your posts labeled with:


Random Pseudonymn

If there's time, could add more options here...

Connections



https://student_dashboard



Student Dashboard

Enter the code your teacher gives you:

Let's go!

[\(Mostly for teachers\) --> I do not have a code. Let me create!](#)

Students can access a lesson one of two ways:

- 1) use a link provided by the teacher
- 2) enter a code provided by the teacher

Teacher Dashboard

There's a lot of possibility in the future for this screen:

- creating/editing/viewing classes and class lists
- viewing class reports of which students posted in a particular lesson
- viewing an individual student report summary of their posts
- browsing/searching a "library" of lessons

...

This screen version (vs the one in the MVP wireframe) would be possible if I can figure out inheritance within models in Django...

Connections

https://teacher_dashboard

Teacher Dashboard

☐ Prepare a new lesson

☐ View student work on a lesson

Equations

Equations

Lines

Tables

Points

☐ Post code for lesson on screen for students

Equations

Equations

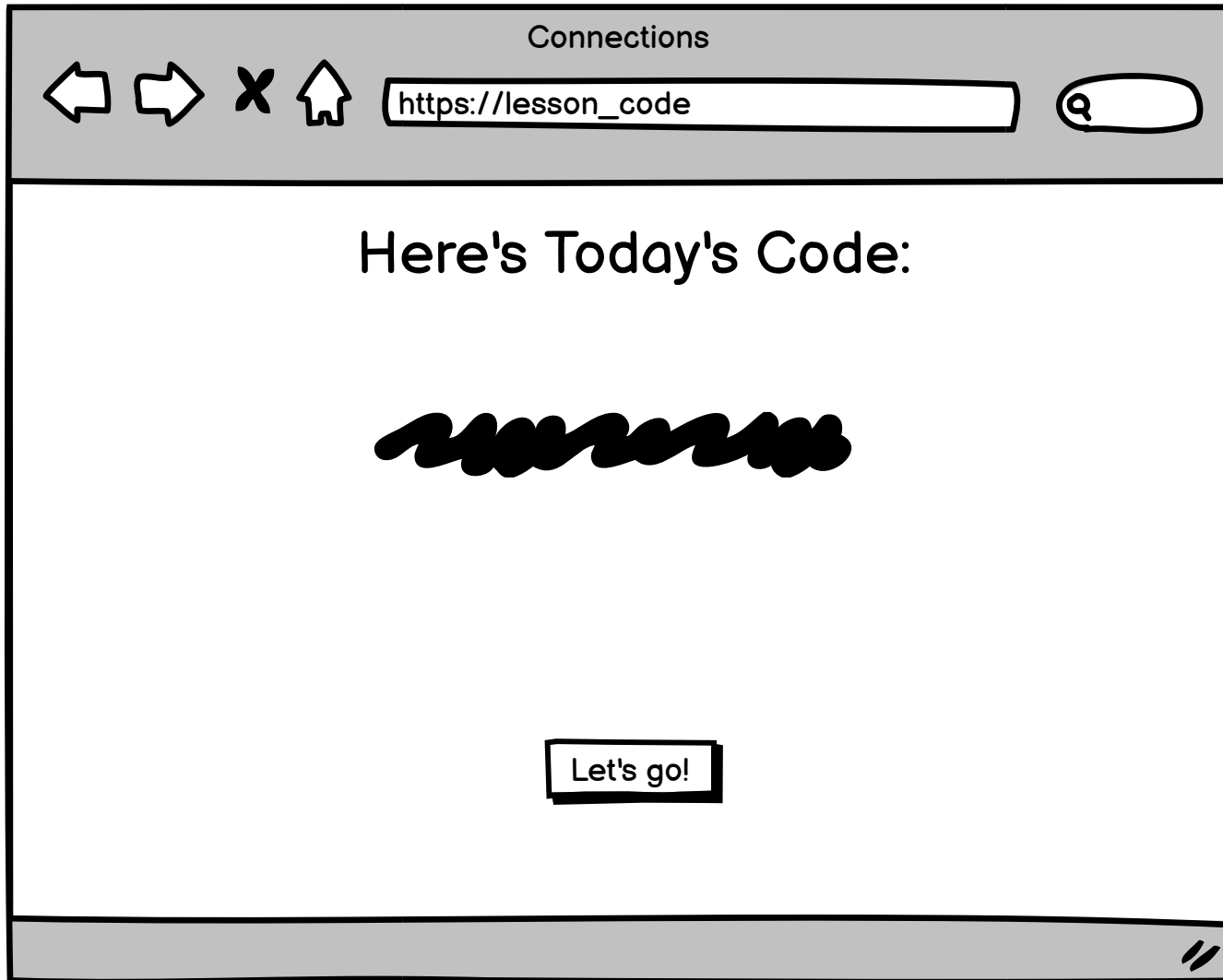
Lines

Tables

Points

Let's go!





Would go to the same screen the students see for that lesson but with teacher functions enabled.




Students can access a lesson one of two ways:

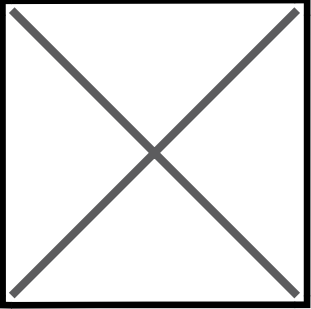
- 1) use a link provided by the teacher
- 2) enter a code provided by the teacher

Connections



https://solo_list_lesson/id





What do you notice?

Make a list of 3 observations.

Student Name

1 --

2 --

3 --

Submit

Distance Learning:
Assign each part on a separate day

In-Class Learning:
What do students do while waiting for
classmates to post?

Is there some kind of little "game" for
students to play while waiting for
enough posts (if that's what the
teacher selected) before going to the
next screen?

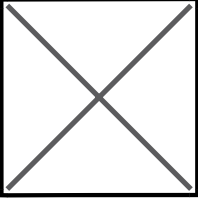
Thank you!



Class Observations Type 1

Connections

← → ✕ 🏠 🔍



What do you notice?

Below are your classmates' observations.
Read through them.

Select the 3 observations you think are most significant for our math thinking.

Student Name	Student Name	Student Name
💡 > 1 --	💡 > 1 --	💡 > 1 --
💡 > 2 --	💡 > 2 --	💡 > 2 --
💡 > 3 --	💡 > 3 --	💡 > 3 --

Is there a way to make lightbulb buttons invisible until class is ready for them?

Teacher Functions:

Student Names will be their real names and pseudonyms (if they are being used)

Option to delete a student's post (moderating for inappropriateness)

Button added to see student view of the screen. (It's always nice to know what students are seeing if it isn't exactly the same.)

Options to list student posts

- in alphabetical order
- by number of "likes"
- by posting time

😊 Of course!

I'm sure your observation is amazing; however, please highlight your classmates' great thinking for right now...

If a student selects one of their own ideas, this pops up.

I think this observation is significant because ...

Submit

Changed my mind...

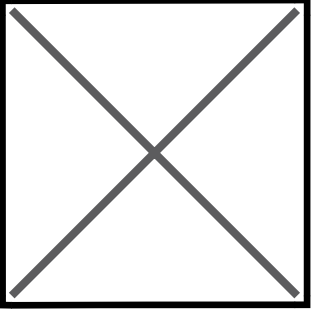
You can only select ____ posts...

Alerts if more than number requested are selected.

This opens when a light bulb is clicked to prompt for a justification.

Connections

https://solo_open_lesson/id



What do you notice?

Share what you observe about the image.

Student Name

I think...


Submit

Distance Learning:
Assign each part on a separate day

In-Class Learning:
What do students do while waiting for
classmates to post?

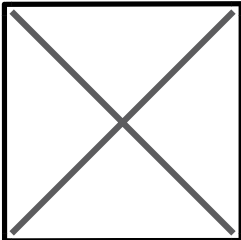
Class Observations Type 2

Connections



https://solo_open_lesson/id/like


Q




What do you notice?

Below are your classmates' observations.
Read through them.


Select the 3 observations you think are most significant for our math thinking.

 >


Student Name

 >


Student Name

 >


Student Name

 >

Student Name

 >

Student Name

 >

Student Name

Student Name

Student Name

Student Name

Teacher Functions:

Student Names will be their real names and pseudonyms (if they are being used)

Option to delete a student's post (moderating for inappropriateness)

Button added to see student view of the screen. (It's always nice to know what students are seeing if it isn't exactly the same.)

Options to list student posts

- in alphabetical order
- by number of "likes"
- by posting time

 Of course!

I'm sure your observation is amazing; however, please highlight your classmates' great thinking for right now...

If a student selects one of their own ideas, this pops up.

This makes me think that...

Submit


Changed my mind...

This opens when a light bulb is clicked to prompt for a justification.


You can only select ____ posts...

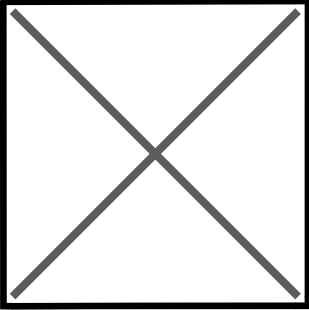
Alerts if more than number requested are selected.

Connections



https://connect_lesson/id

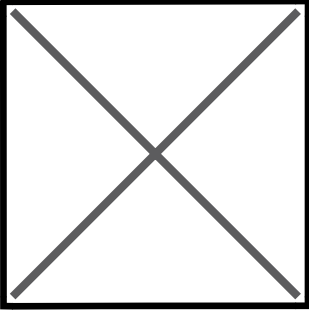




How are these connected?

Make one or more conjectures about how these representations are related.

Your classmates' top observations are listed below each image in case that might give you ideas.



Observations:

Student Name

I think...





Submit

Observations:


Observations
populates with posts
from students in the
solo lessons

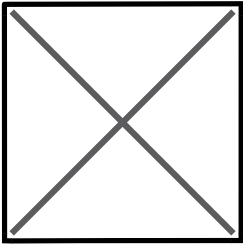
Class Connect

Connections



https://connect_lesson/id/like

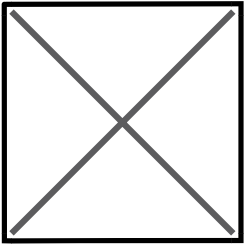





How are these connected?

Below are the class's conjectures.
Read through them.


Select the 3 conjectures you think
make the most sense mathematically.






>

Student Name




>

Student Name




>

Student Name




>

Student Name



>

Student Name



>

Student Name

Student Name

Student Name

Student Name

Teacher Functions:

Student Names will be their real names and pseudonyms (if they are being used)

Option to delete a student's post (moderating for inappropriateness)

Button added to see student view of the screen. (It's always nice to know what students are seeing if it isn't exactly the same.)

Options to list student posts

- in alphabetical order
- by number of "likes"
- by posting time

 Of course!

I'm sure your observation is amazing; however,
please highlight your classmates' great
thinking for right now...

If a student
selects one of
their own
ideas, this
pops up.

This makes me think that...

Submit

Changed my mind...

This opens
when a light
bulb is clicked
to prompt for
a justification.

You can only select ____ posts...

Alerts if more
than number
requested are
selected.



https://new_lesson



Lesson Set-Up

Select a lesson:

ComboBox

Preview and Edit

OR Create your own lesson:

Single Stand-Alone Lesson

Select type of student response desired:

- ☐ Open-ended response
- ☐ List with

3

 items

Preview and Edit

Connect 2 Representations

Select the 2 lesssons

Equations

Equations

Lines

Tables


Points

Preview and Edit




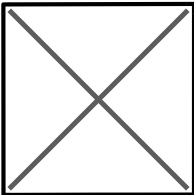
Teacher Lesson Type 1

Connections



https://new_lesson/solo_list





What do you notice?

Make a list of at least 3 observations.

Student Name

1 --

2 --

3 --

Submit

Type of student names used: ☐ Actual Name
☐ Pseudonymn
☐ Student Choice

Number of items in each student's list

3

Allow students to select top posts Yes ☒ No

Maxium number of posts they can select

3

Require a justification for each selection Yes ☒ No

Feel free to edit text in the justification prompt:

I think this observation is significant because...

Students select top posts in same session Yes ☒ No

Wait until

3

 posts have been submitted Yes ☒ No
before students can select posts.

Lesson Name:

Create


[Previous](#) 

Image Placeholder allows teacher to insert image

Pseudonyms: randomly generated mathematician names or animal names with adjectives

Title and text are editable by teacher.

How can it link the number of observations required to the student list frame?

Asynchronous vs Synchronous
--
feels like too much for this project this time...

Connections

X

https://new_lesson/solo_open

What do you notice?

Share what you observe about the image.

Student Name

I think...

Submit

Type of student names used:

☐ Actual Name

☐ Pseudonymn

☐ Student Choice

Allow students to select top posts

Yes

No

Maxium number of posts they can select

3

Require a justification for each selection

Yes

No

Feel free to edit text in the justification prompt:

I think this observation is significant because...

Students select top posts in same session

Yes

No

Wait until

3

posts have been submitted

Yes

No

before students can select posts.

Lesson Name:

Create

[Previous](#)

Image Placeholder allows teacher to insert image

Pseudonyms: randomly generated mathematician names or animal names with adjectives

Title and text are editable by teacher.

How can it link the number of observations required to the student list frame?

Sentence starter is editable by teacher.

There is no list for this lesson but the database model will ask for number of items in the list. Enter 0!

Teacher Lesson Connect

Two lessons selected on previous screen will load images automatically.

Student posts will load automatically if they exist (depends on whether the teacher creates this lesson before or after students have engaged with solo lessons). Posts are ordered according to descending number of "likes".

Connections

https://new_lesson/connect

Q

How are these connected?

Make one or more conjectures about how these representations are related.

Your classmates' top observations are listed below each in case that might give you ideas.

Observations:

Student Name

I think...

Submit

Observations:

Allow students to select top posts Yes ☒ No

Maximum number of posts they can select

3

Require a justification for each selection Yes ☐ No

Feel free to edit text in the justification prompt:

This makes me think that...

Students select top posts in same session Yes ☐ No

Wait until

3

 posts have been submitted Yes ☐ No

before students can select posts.

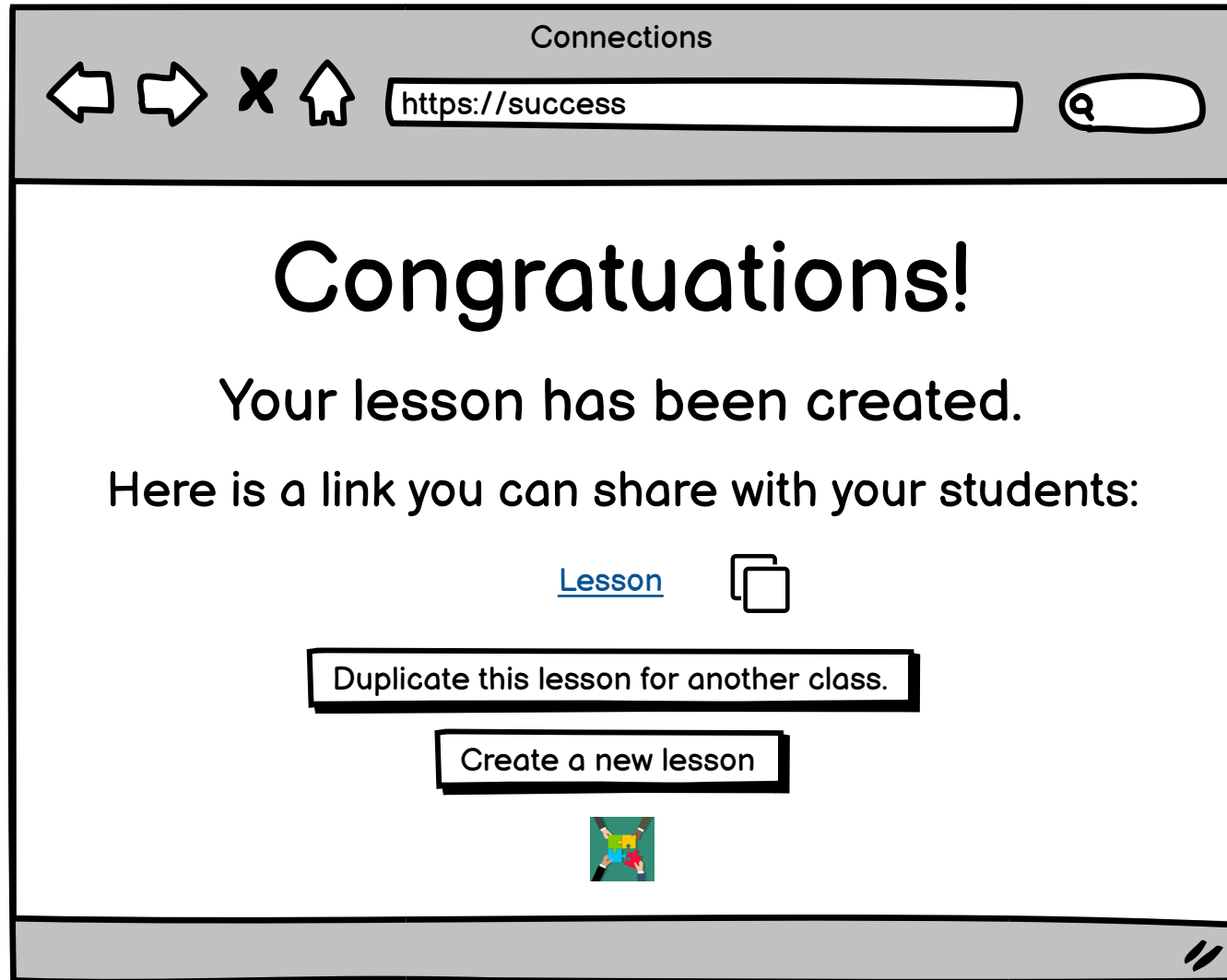
Lesson Name:

Create

[Previous](#)

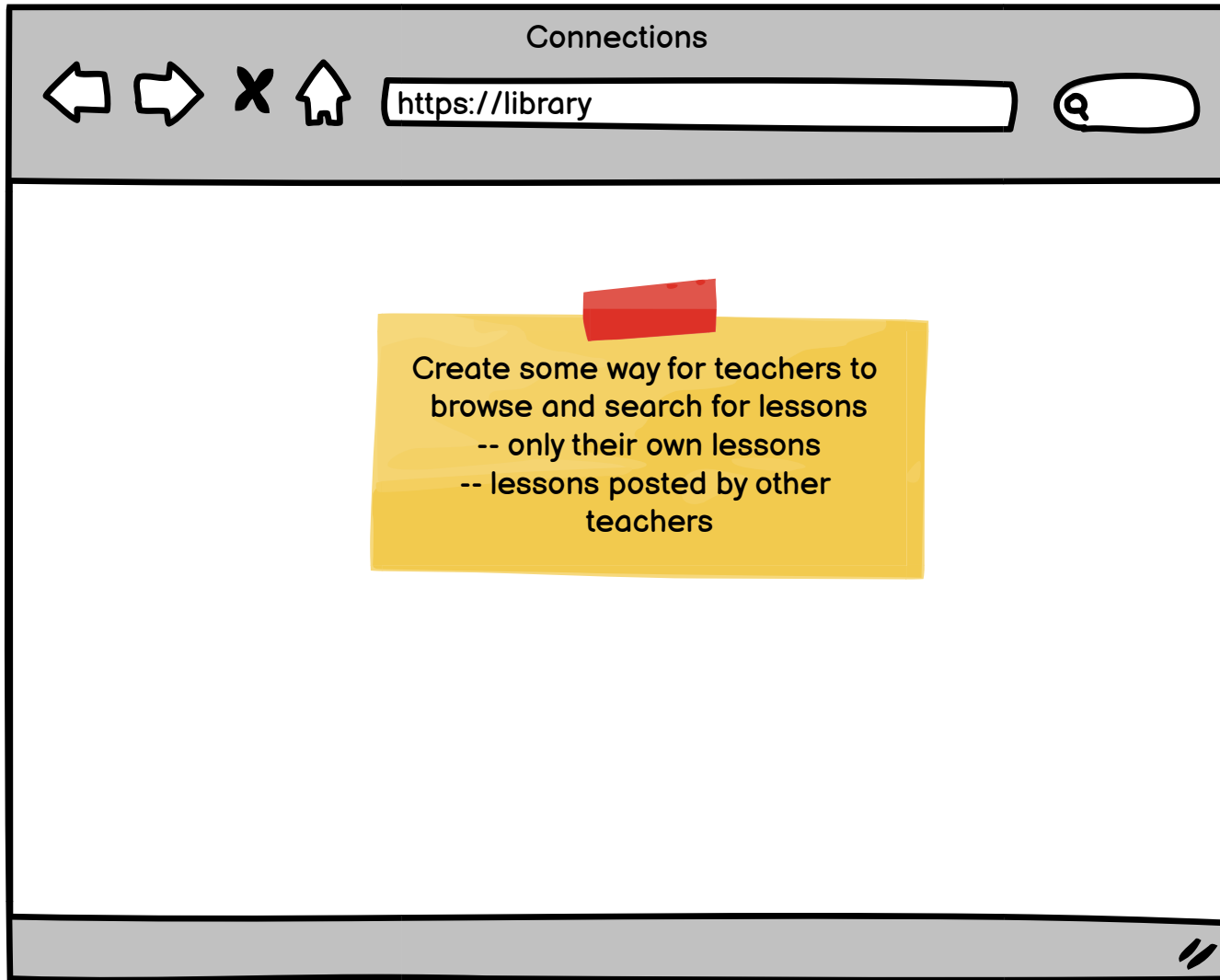
Title and text
are editable
by teacher

Sentence starter is editable by teacher



Duplicate would go back to the preview and edit screen but retaining all settings already selected.

New lesson would go back to the New Lesson screen



ERD

