



“Fun & Knowledge” Kindergarten Web Application User Manual

Introduction:

"Fun & Knowledge" is our take on modernizing the way students take tests. Created with the goal to move from paper-based to digital formats, this website is all about making tests less of a hassle and more of a smooth experience. It's not just about ditching paper; it's about getting students comfortable with technology while they learn. We're streamlining how tests are done, so they're easier for everyone involved - more students can take them with less stress on teachers. Simply put, "Fun & Knowledge" is our step towards making education more tech-friendly and efficient.

The Registration Page:

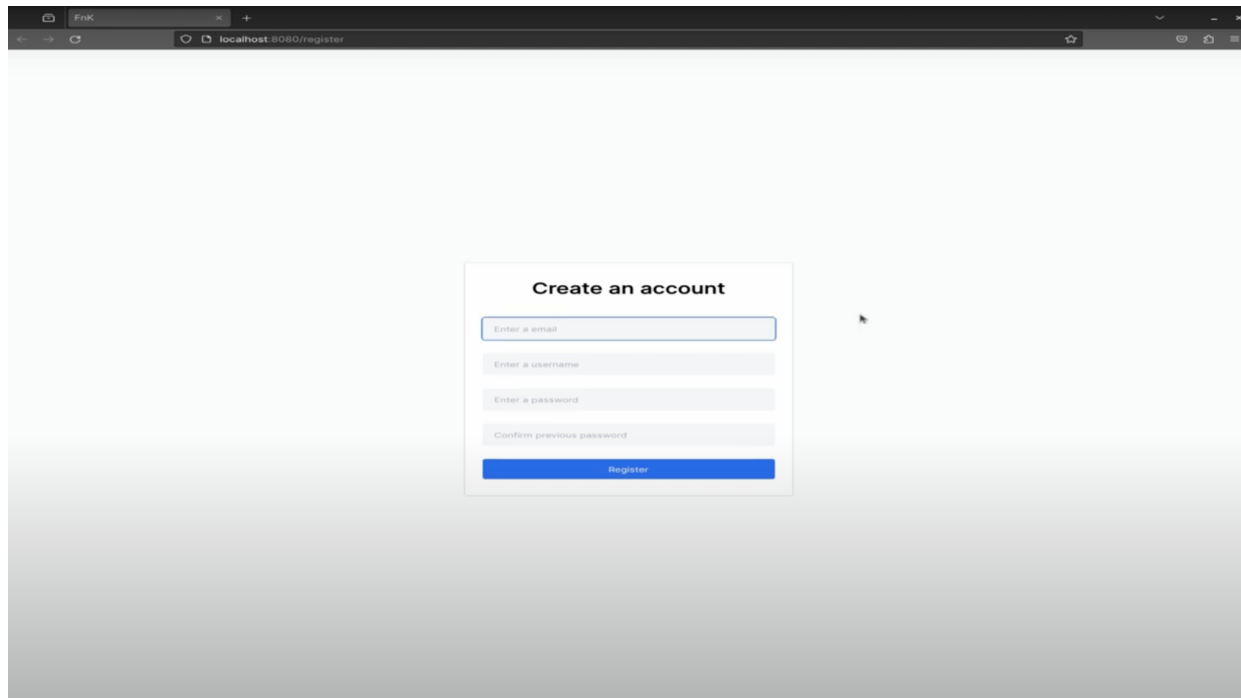
Welcome to the registration page!

This is where a user (preferably a teacher/educator/supervisor) can create an account.

To do so, please complete the following:

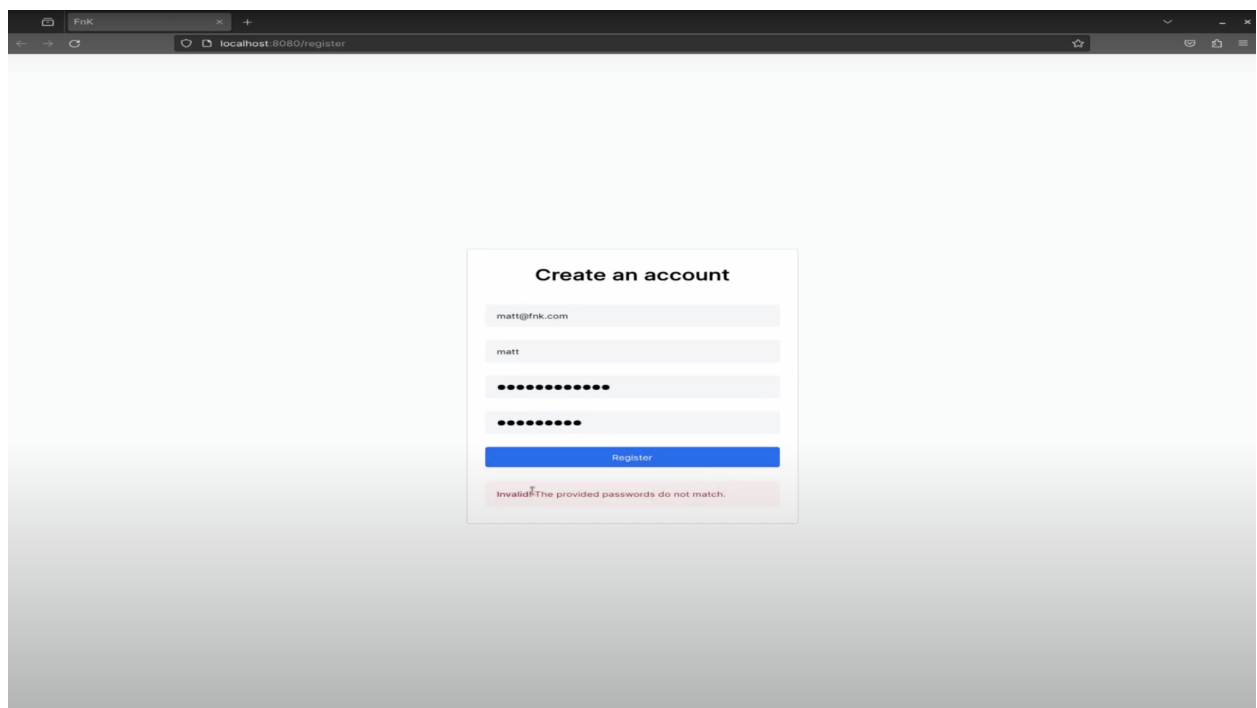
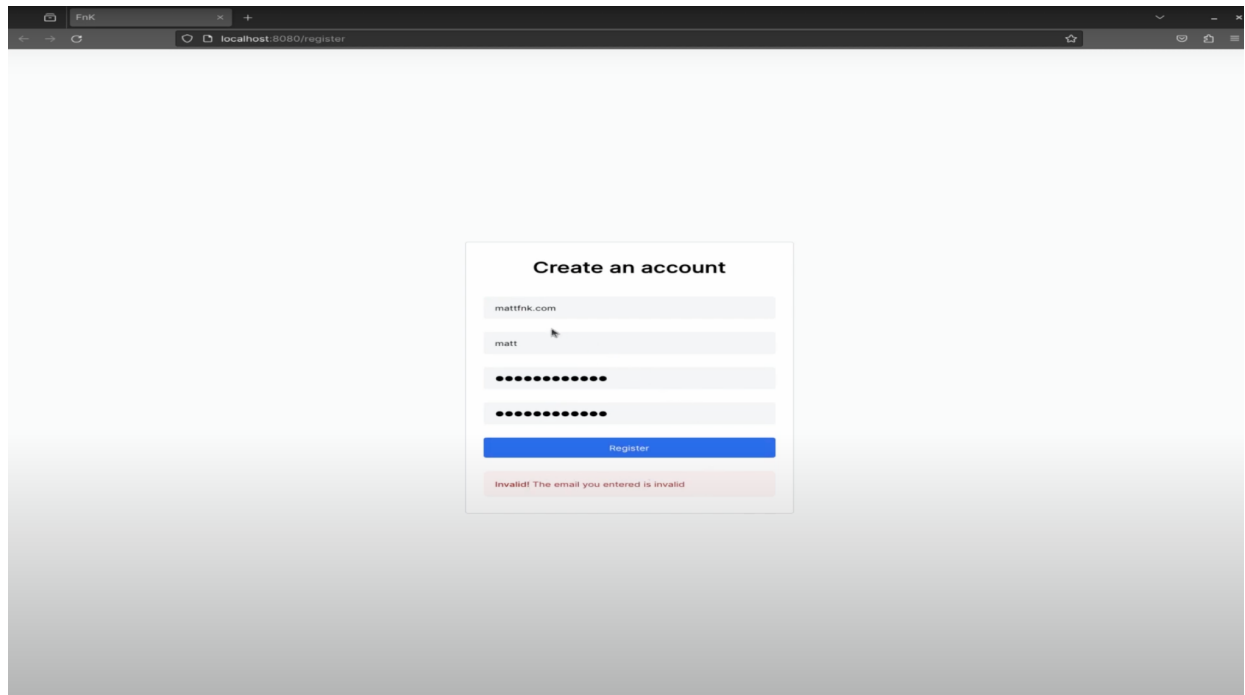
1. Enter your valid email address in the “Enter an email” input box.
2. Enter your username in the “Enter a username” input box.
3. Enter and re-enter your password in the “Enter a password” and “Confirm previous password” input boxes.

Once you have completed these steps, you can select the blue “Register” button to finish creating your account and will be taken to the login page.



Please note: this page will not let you proceed in creating an account if either or both of the following errors occur:

- A message stating “Invalid! The email you entered is invalid.” will appear if you try to enter an invalid email.
- A message stating “Invalid! The provided passwords do not match” will appear if you try to enter passwords that don’t match each other.



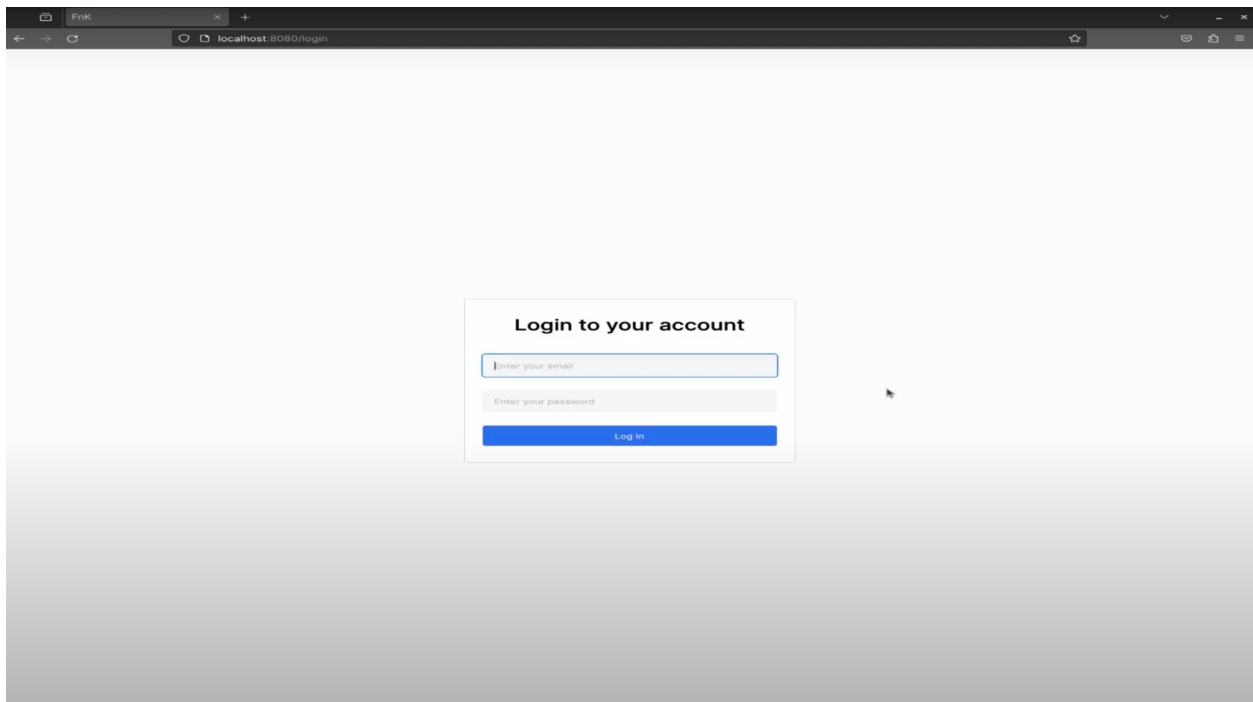
The Login Page:

This is the login page!

Here the user can sign into their existing account. This page can be accessed after registering your account on the registration page, or if you're a returning user to the website.

To pass the login page to access your dashboard, please complete the following steps:

1. Enter your valid email in the “Enter your email” input box.
2. Enter your password in the “Enter your password” input box



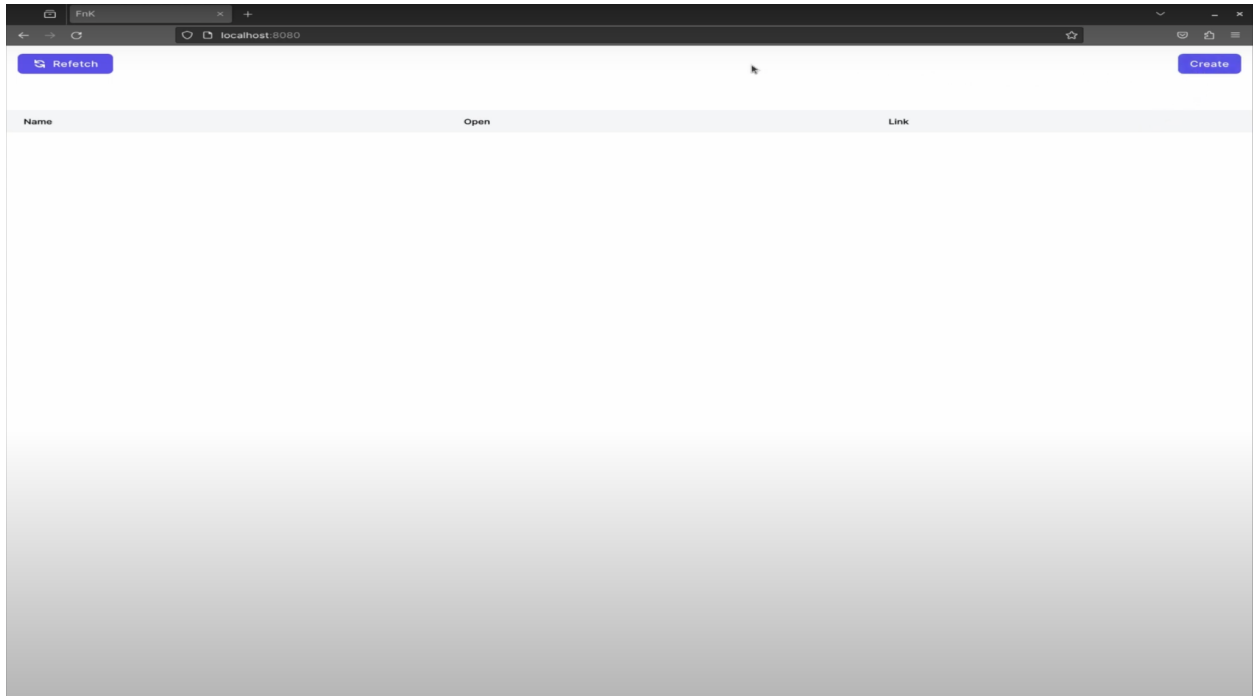
The screenshot shows a web browser window with the address bar displaying 'localhost:8080/login'. The main content area has a light gray gradient background. In the center, there is a white rectangular box with a thin gray border. Inside this box, the text 'Login to your account' is centered at the top. Below this text are two input fields: the first is labeled 'Enter your email' and the second is labeled 'Enter your password'. Both fields have a light gray background and a thin blue border. Below the input fields is a solid blue button with the text 'Log in' in white.

Once you have completed these steps, you can select the blue “Login” button to continue to your dashboard.

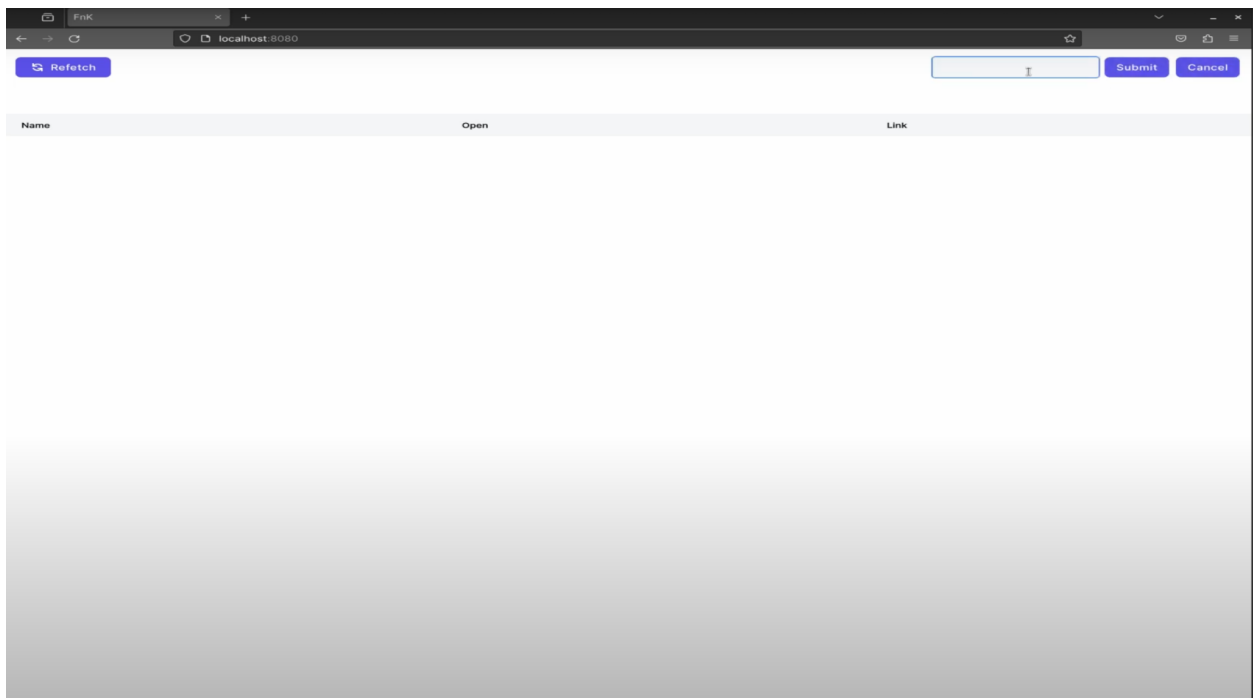
The Dashboard Page:

Welcome to your dashboard!

This is where you can create new tests for your students to take, and view their results once they’ve finished them.

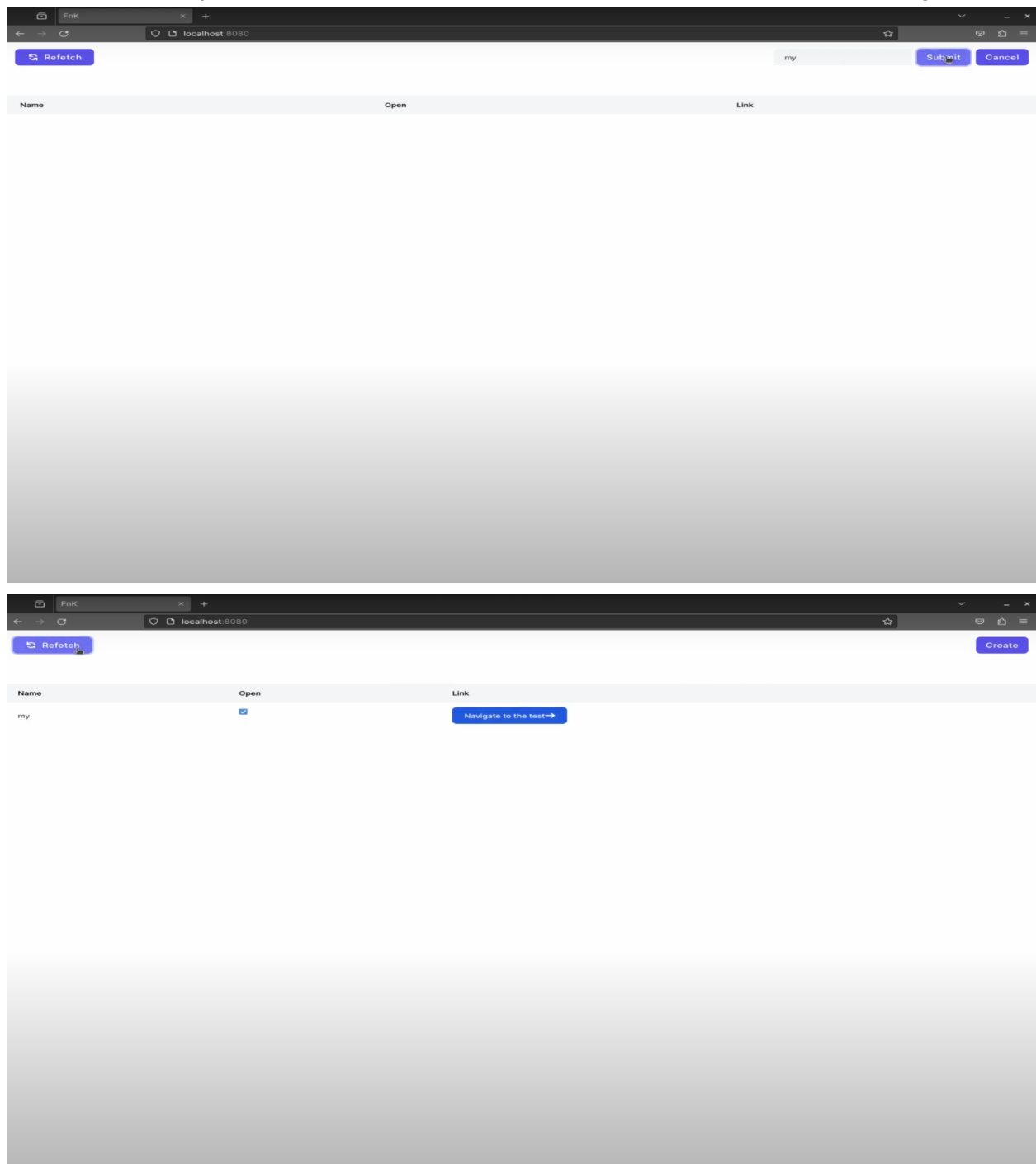


To create a new test, please select the purple “Create” button in the top right corner, and enter the test name in the empty input box.



If you would like to cancel the creation of the new test, select the purple “Cancel” button at the top far right corner. Selecting this button returns the purple “Create” button back to the top right corner if you would like to create a new test at another time.

If you would like to continue creating a new test, select the purple “Submit” button to the right of the input box. After selecting this button, please click on the purple “Refresh” button in the top left corner to view your updated dashboard with the new test creation, listed on the page.

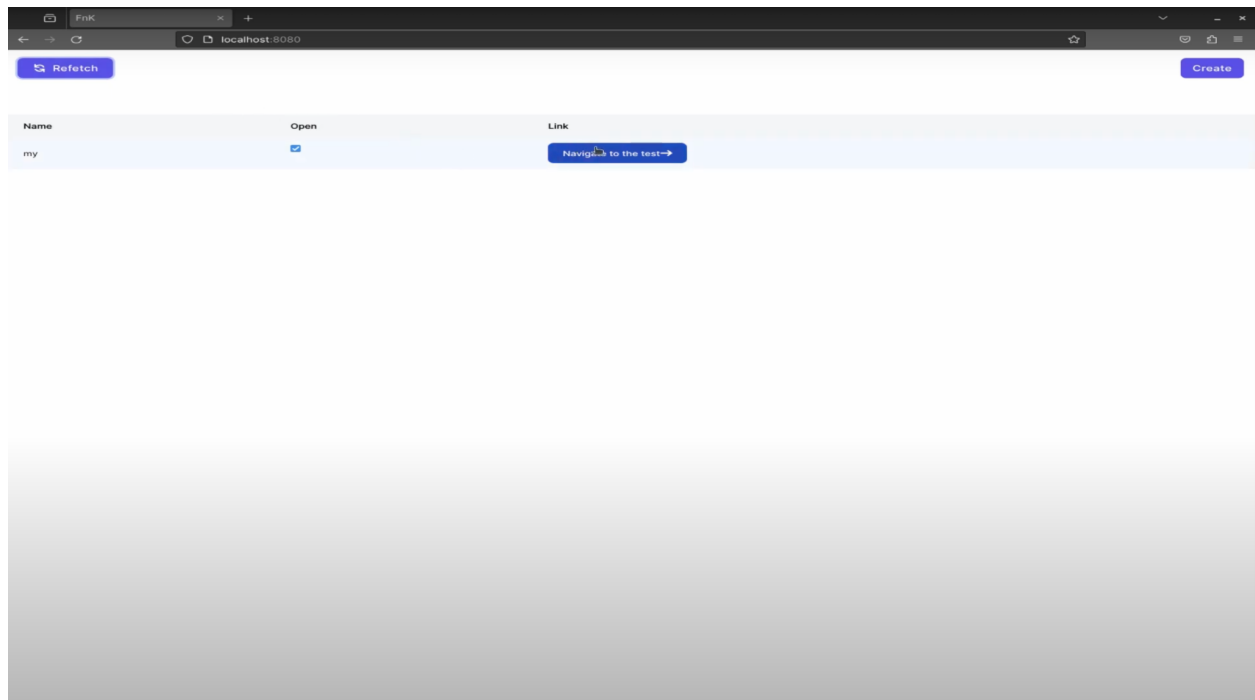


- Each test is categorized in the dashboard by its name under the “Name” category, its availability as open or closed under the “Open” category, and a link that’s used to

navigate to the test with the blue “ Navigate to the Test →” button under the “Link” category.

- You can change the availability of the test by selecting the blue checkbox icon under the “Open” category to make the test available to students, and deselecting the blue checkbox to make the test unavailable to students.

To start a new test for a student and continue on to the test page, please select the blue “ Navigate to the Test →” button under the “Link” category.

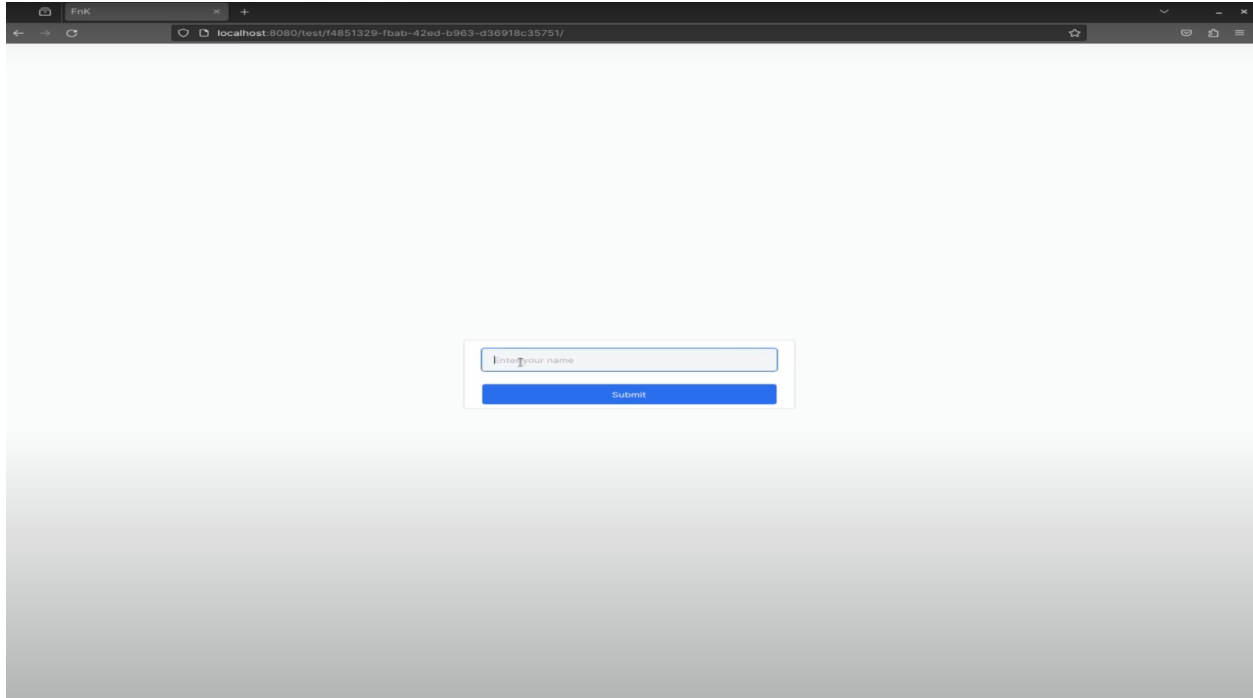


The Test Page:

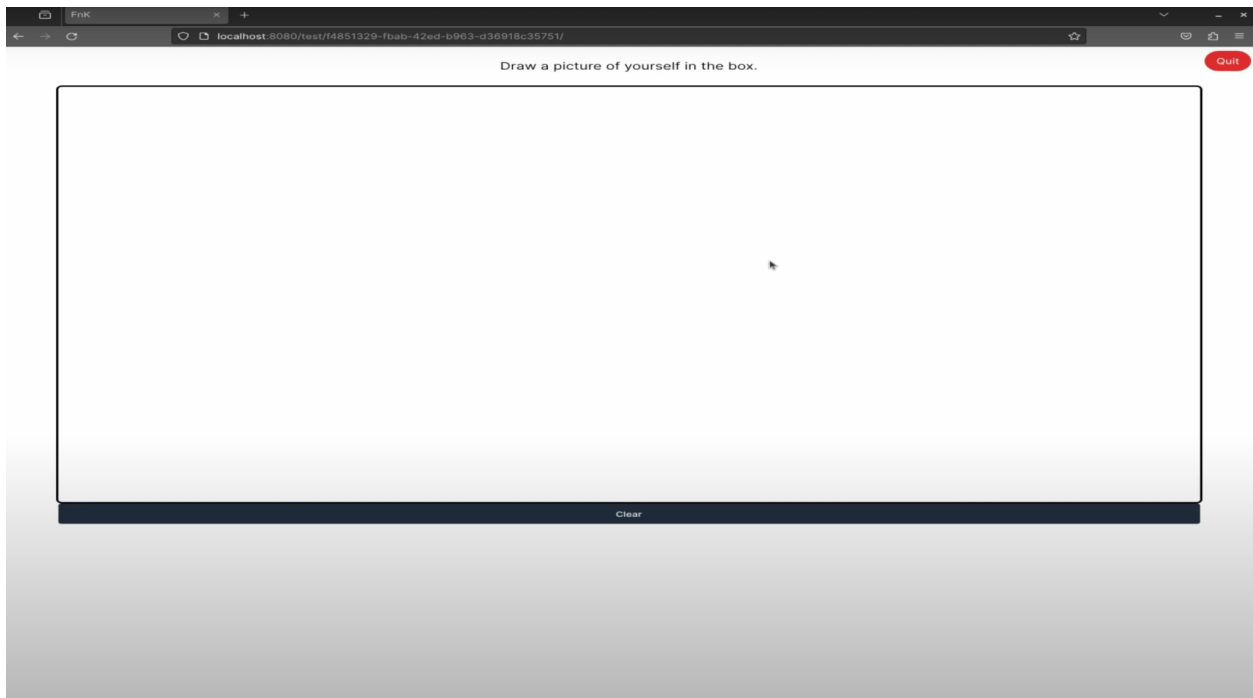
This is the test page!

It can be used by a student with the monitoring of a supervisor.

Once you have selected the blue “ Navigate to the Test →” button, your student is prompted with a page to enter their name in the “Enter your name” input box. The student can then select the blue “Submit” button to continue to the test page and start their test.



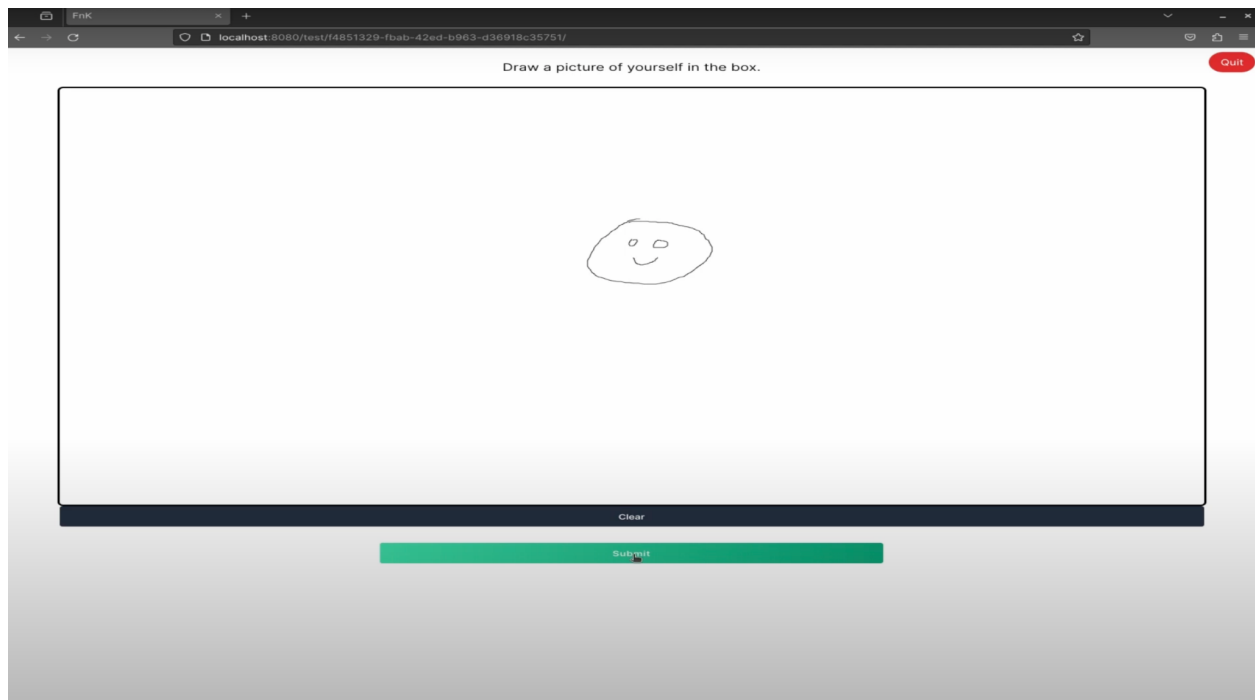
From here, your student is shown the general test page.



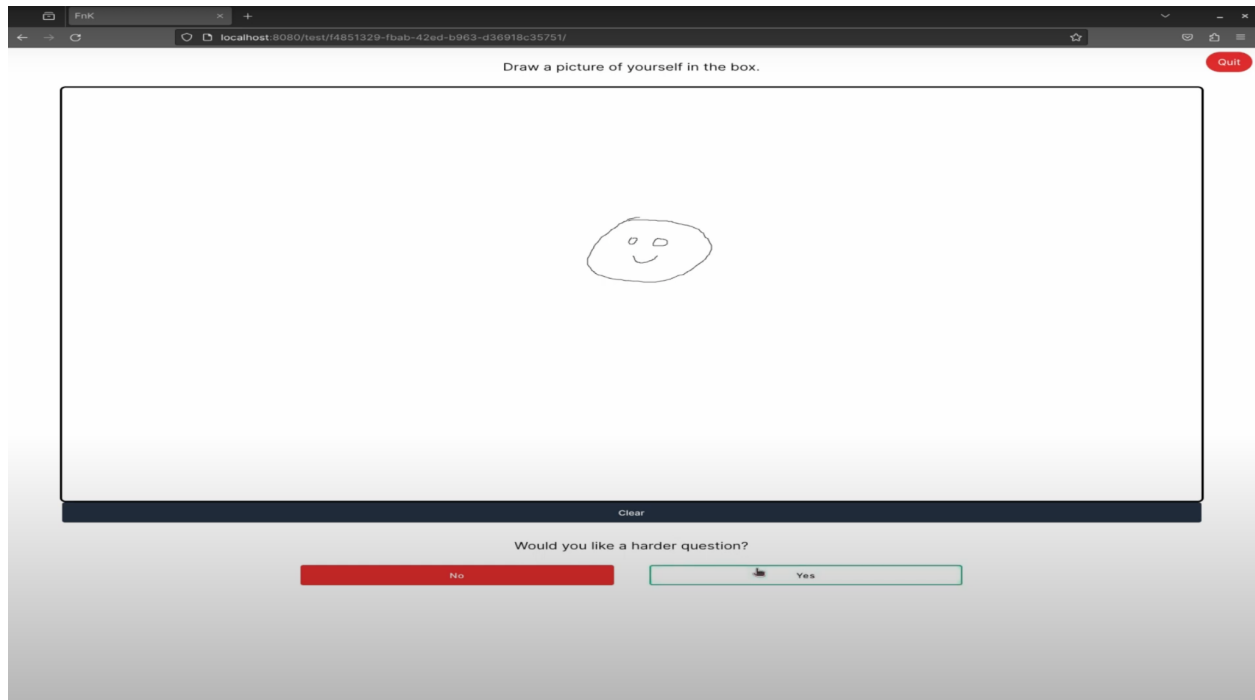
- The questions are given to the student at the middle top section of the page. These questions can be read out loud to the student by hovering over the question itself and clicking on it.

- A red “Quit” button is available in the top right corner if you or your student choose to close out of the test at any time.
- A canvas is given to the student in the middle of the page to answer their given question(s) accordingly by drawing out an image or writing out words with their mouse cursor.
- There’s a black “Clear” button at the bottom of the canvas if the student makes a mistake in their answer and wants to erase it.

Once your student begins to draw or write something on the canvas, a green “Submit” button is prompted on the screen underneath the canvas for them to submit their answer once they’ve finished.

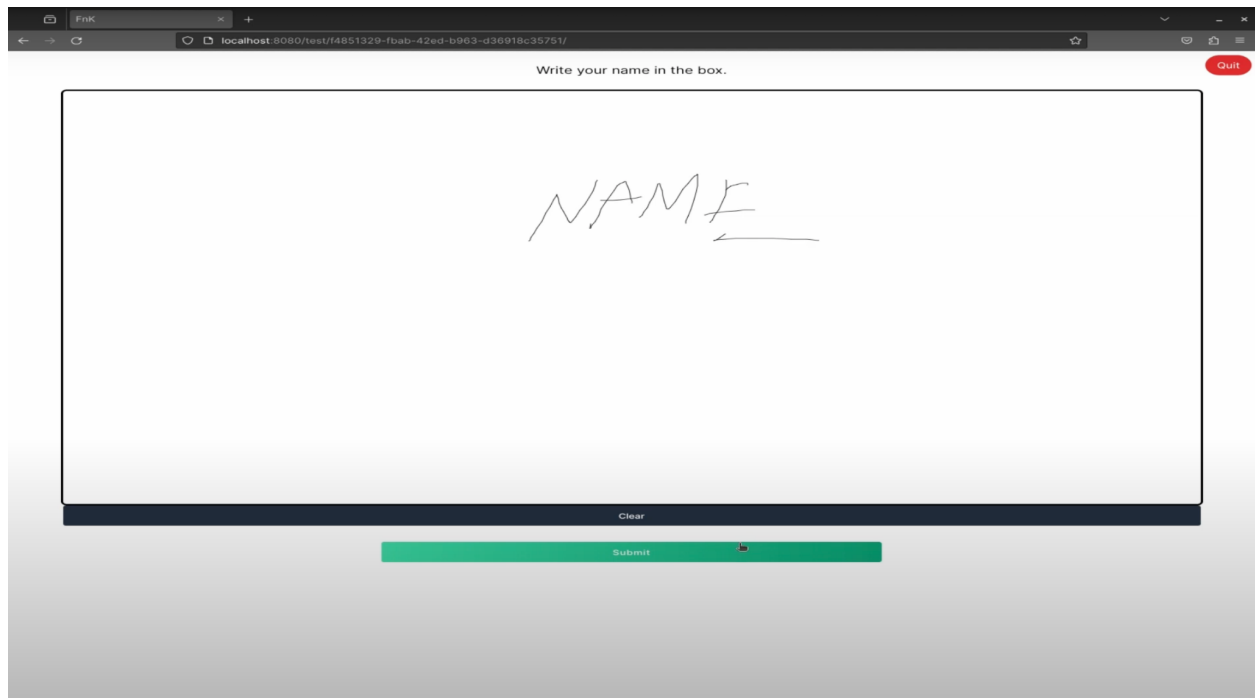


When the green “Submit” button has been selected, your student is prompted with *“Would you like a harder question?”*

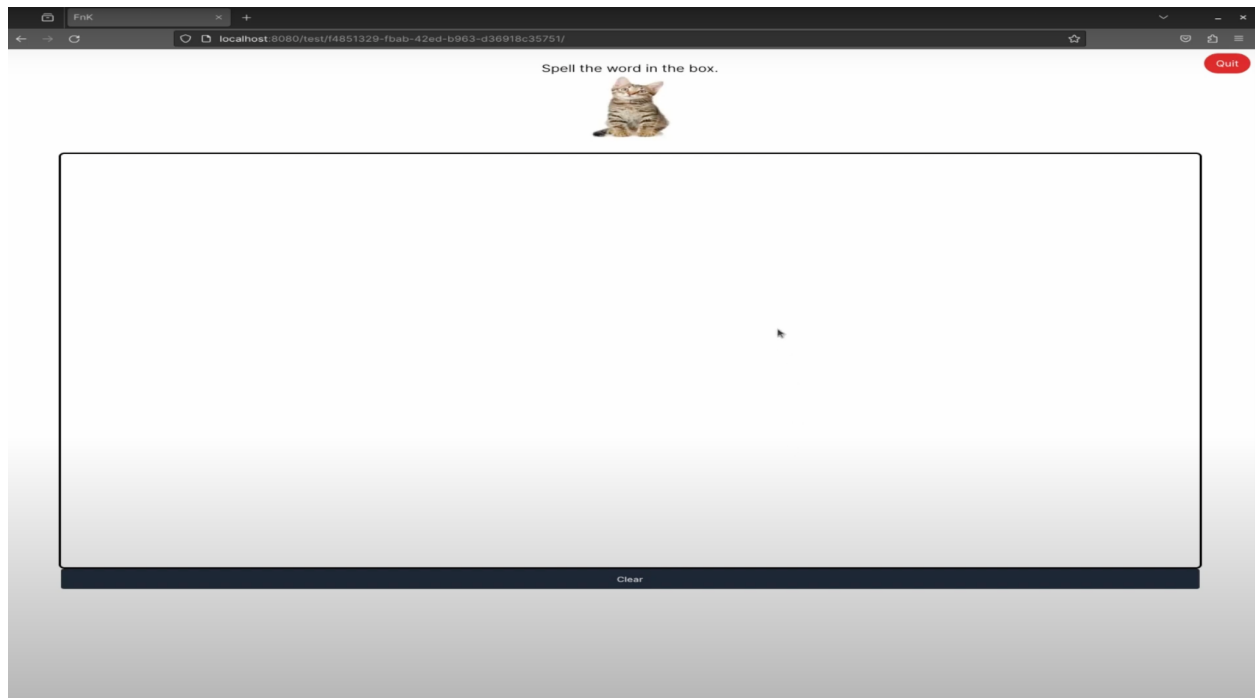


If they select the green “Yes” button on the right, the test will update with a new harder question from them. If they continue to select this button, the increasingly difficult questions will involve pictures and ask them questions like “What is this a picture of?” This will continue until they complete the test at its maximum difficulty if the student chooses to.

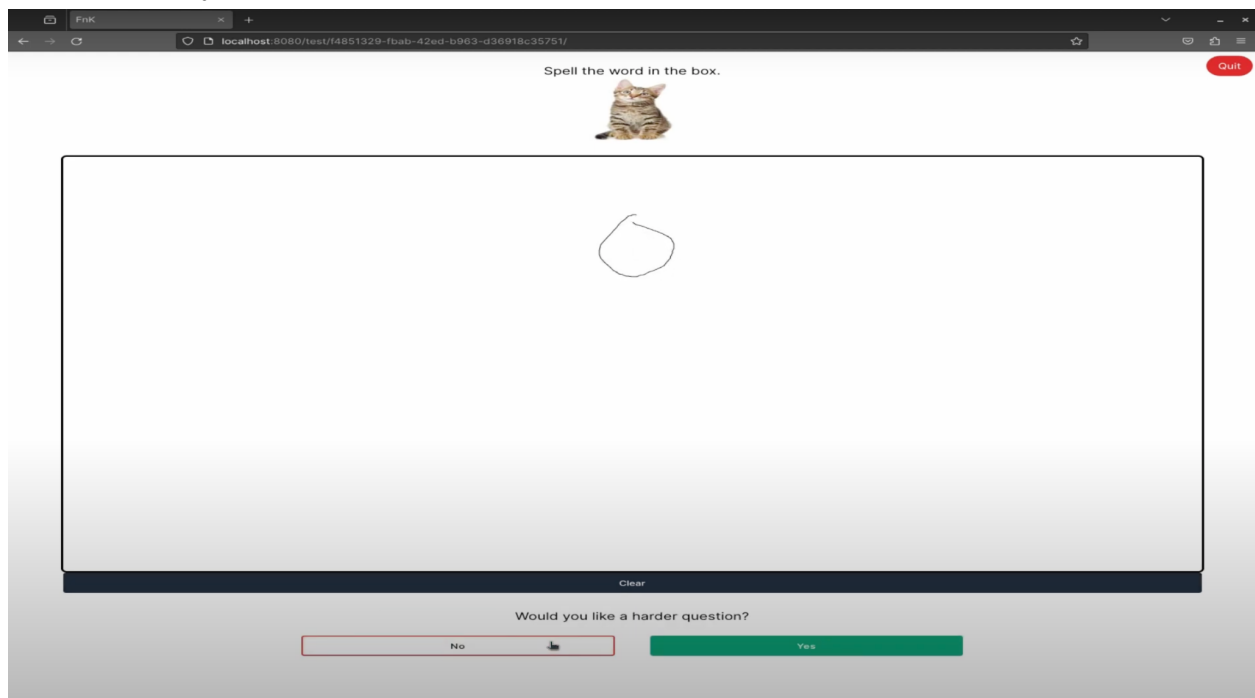
Second Level of Difficulty:



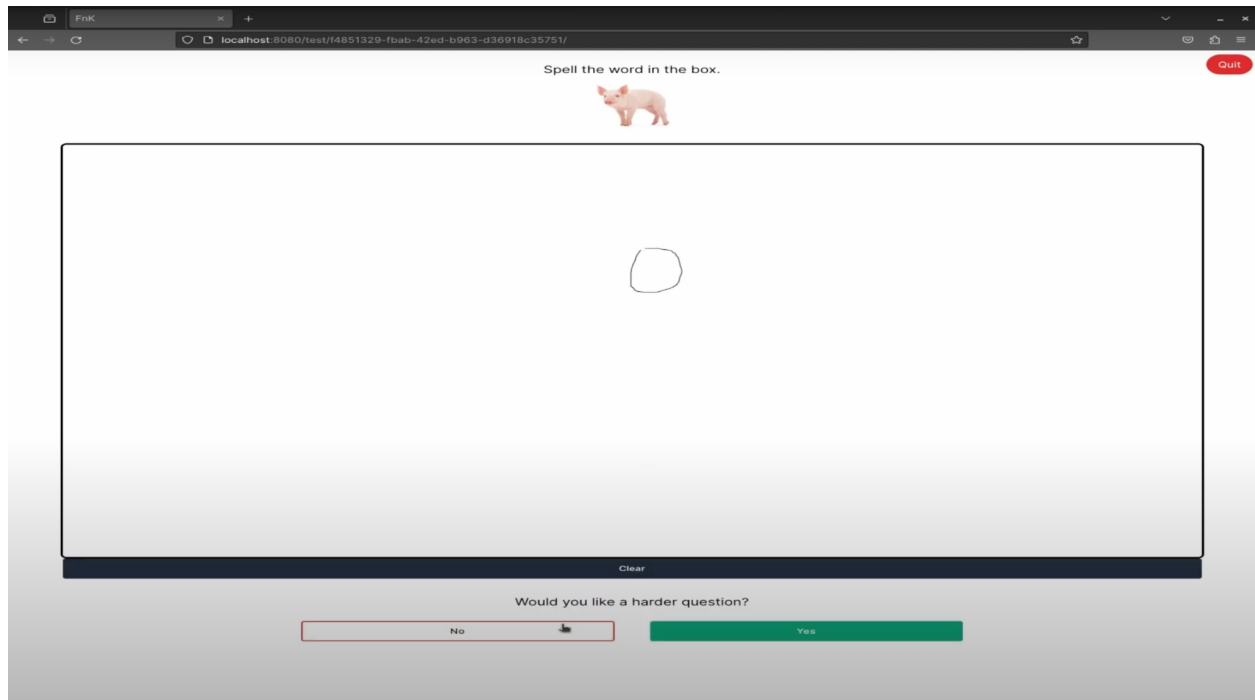
Third Level of Difficulty:



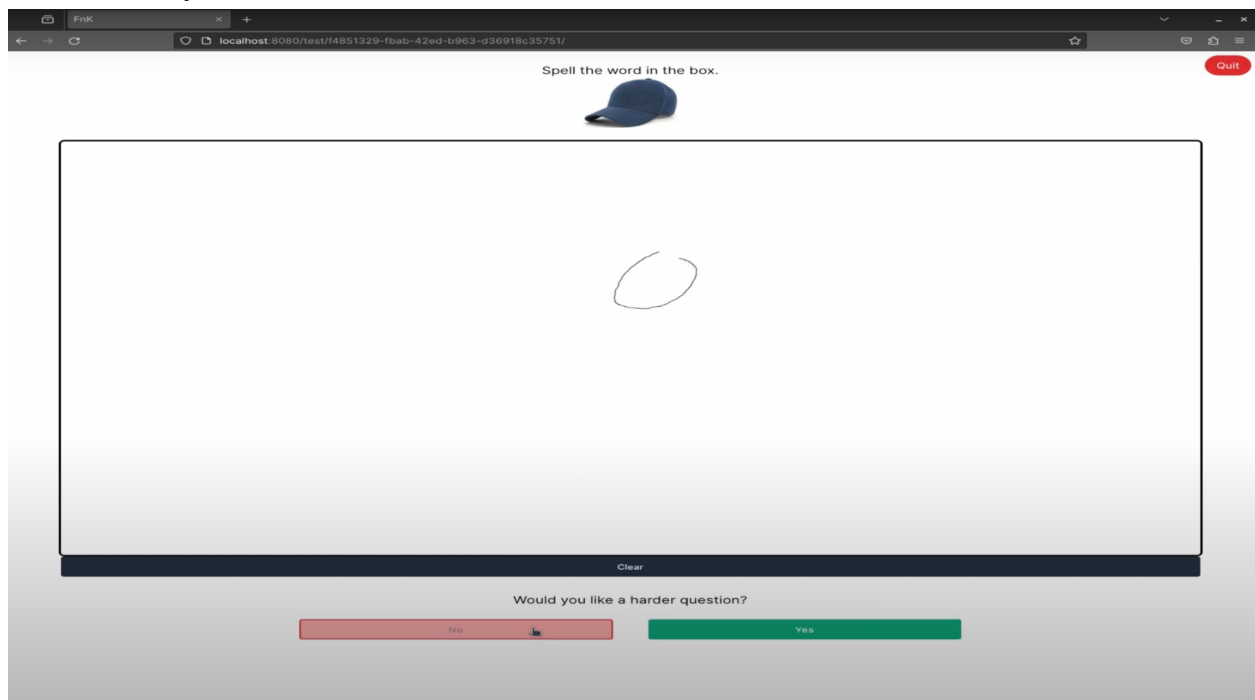
If they select the red “No” button on the left, the test will update with a new question with the same difficulty. If they continue to select this button three times in a row, they are prompted with an exit page stating “Thank you, your score has been submitted.”, and the student’s score will be automatically stored in the database.



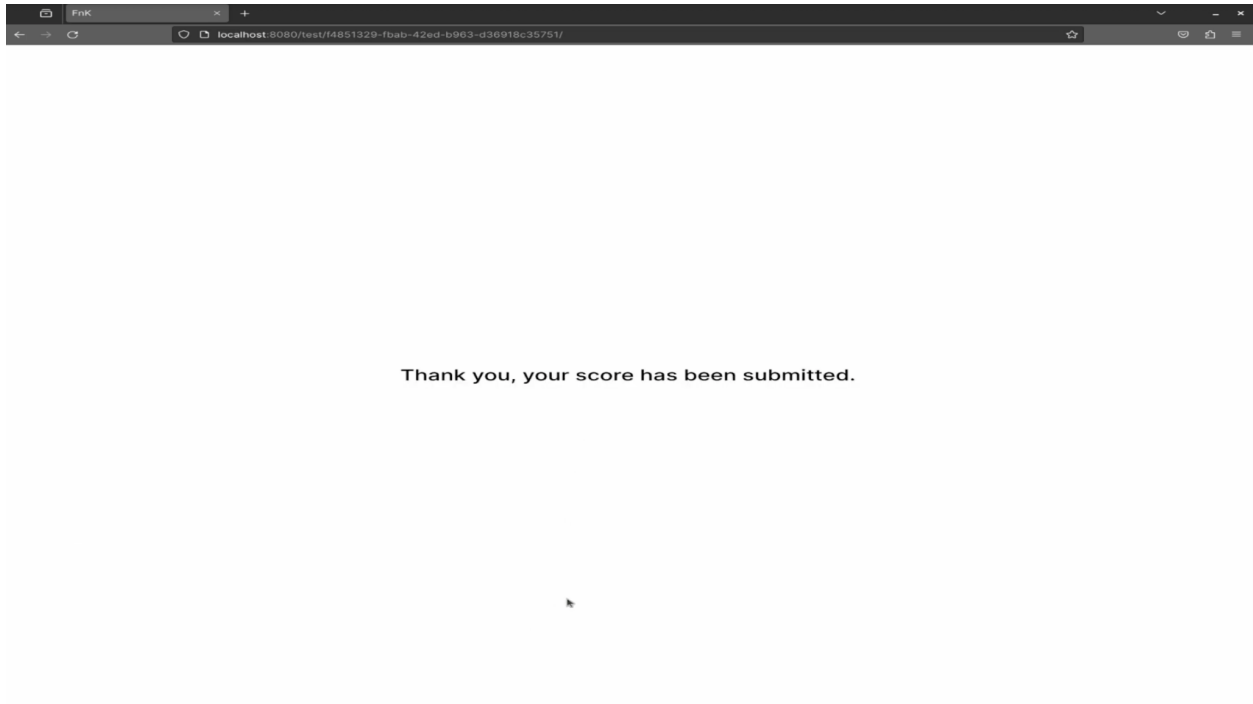
Same Difficulty Second Version:



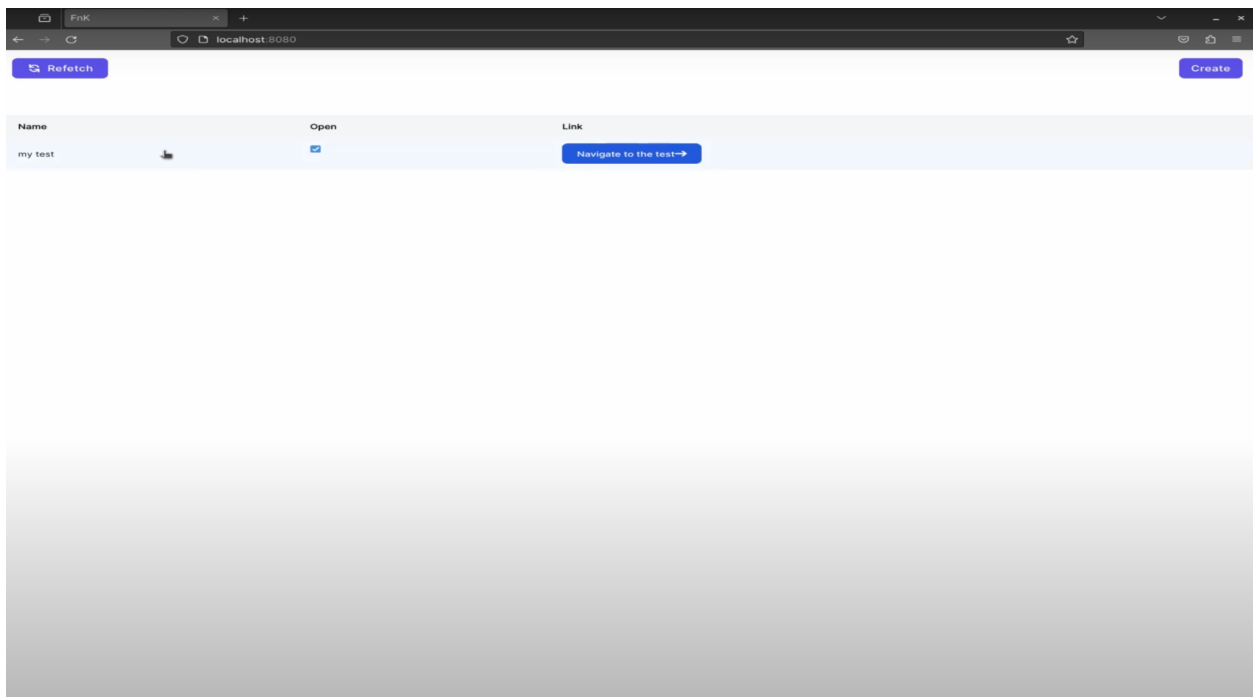
Same Difficulty Third Version:



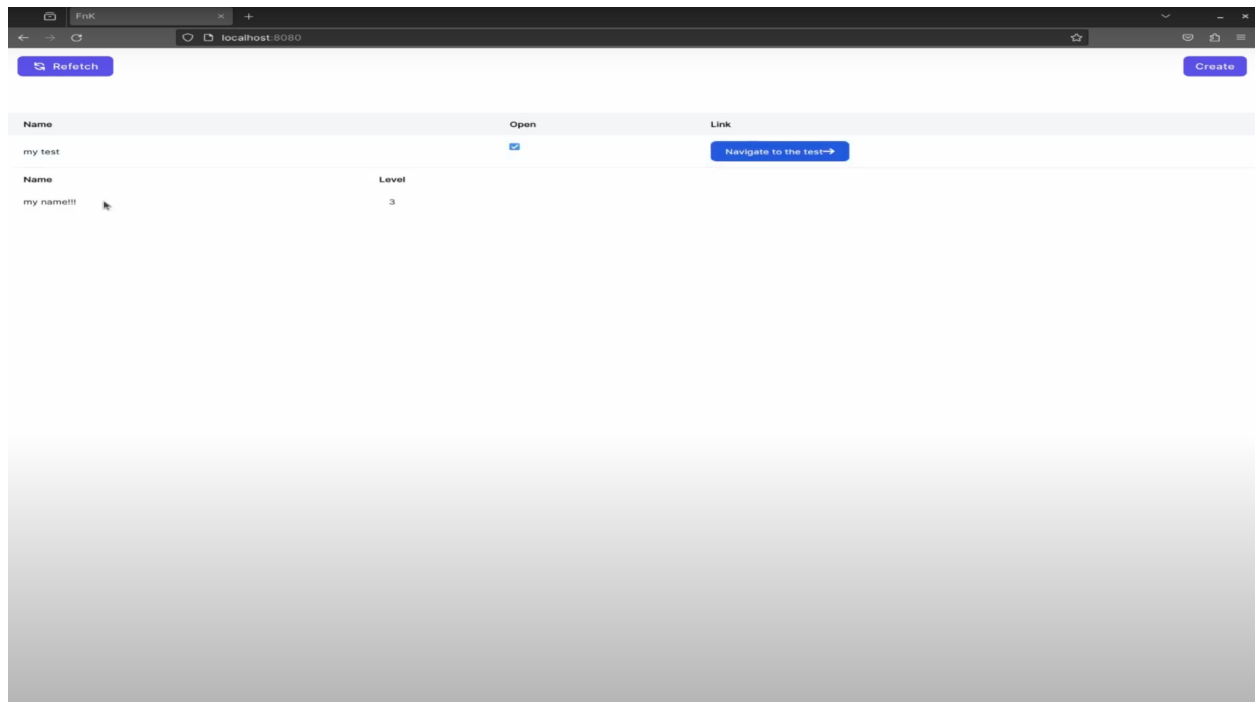
Exit Page:



Back to the Dashboard Page:
Welcome back to your dashboard!



Once your student has completed their test, you can select any given test under the “Name” category to access a dropdown of all the students who have taken the test under the “Name” subcategory, and the levels they completed under the “Level” subcategory.



Conclusion:

"Fun & Knowledge" represents a step forward in integrating technology into the classroom, offering a digital testing platform that aligns with the educational needs of today's students. The program successfully facilitates the shift from traditional paper-based assessments to an interactive, computerized format, making the test-taking process more efficient and user-friendly for both teachers and students.

The potential impact of "Fun & Knowledge" extends beyond mere convenience. By familiarizing young students with digital interfaces early in their educational journey, the program plays a crucial role in developing digital literacy skills. Moreover, it allows teachers to administer assessments with reduced supervision, thereby enabling them to focus more on personalized instruction and less on administrative tasks.