

# Learn with Fun

## **Capstone Project Idea:**

This project will focus on creating a system which will allow users to test their skills with curriculum subjects. User will freely able to access the contents of it. They can register if they are a new user, else they can log in to access the data. After the successful login, the user can select any subjects/ grades they liked, to test their skills. The topics will be divided into grades and main interests(subjects), such as - Grade 1, Grade 2, or Arithmetic, Algebra etc.

With the selection, they get filtered questions to test their skills. If they will be stuck with anything, the hint will be provided to understand the concept. After submitting their answers, they can check their progress.

If in future I will get enough time on hand, then I will try to give a chart-based report to provide their progress. To advance the features in future, I can add a chatbot to the system, which will be helpful to the people for their learning. This project will be an ongoing process. Currently, I am minimizing the scope to make a working system. Once that will be achieved, I will add more grades' contents and subjects. In future, I also want to add programming to it so kids can learn the fundamentals of the programming.

The purpose of this project it creates a website which can help the user to learn and improve their skills in the offered subjects. A user can learn the contents and take quiz. Once they finish the quiz, they can see their progress /score for the given test.

## **Aim:**

This project can be expanded in multiple dimensions and multiple lengths. However, it is important to focus on time, scope and the contents needs to be generated. By saying that, I am mainly focusing on couple of easy and basic contents by focusing on kids in age frame of 5-8 years.

# User/ Student View

Home Page

# Login Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Login



Learn With Fun

**Please sign in**

Username

Password

Sign In

Sign Up      Forgot Password

# Register Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Login



## Register

Username <input type="text"/>	Email Address <input type="text"/>	
First Name <input type="text"/>	Last Name <input type="text"/>	
Password <input type="text"/>	Confirm Password <input type="text"/>	
City <input type="text"/>	Province <input type="text"/>	Country <input type="text"/>

**Submit**

# User Dashboard Page

# User Profile Menu Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

# Learn With Fun

Something short and leading about the collection below—its contents, the creator, etc. M and sweet, but not too short so folks don't simply skip over it entirely.

## Quizzes To Take

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. <a href="#">View</a> <a href="#">Edit</a> 9 mins	This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. <a href="#">View</a> <a href="#">Edit</a> 9 mins	This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. <a href="#">View</a> <a href="#">Edit</a> 9 mins	This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. <a href="#">View</a> <a href="#">Edit</a> 9 mins	This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer. <a href="#">View</a> <a href="#">Edit</a> 9 mins
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# Change Password Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Login

Learn With Fun

## Change Password

Old Password

New Password

Confirm Password

Change Password      Go Back

## Successfully Password Change Page

# Update Profile Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Login

Learn With Fun

## Update Profile

Email Address

First Name

Last Name

City

Province

Country

Update ProfileGo Back

# Subjects Menu Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

Math

Science

# Learn With Fun

Something short and leading about the collection below—its contents, the creator, etc. Make it short and sweet, but not too short so folks don't simply skip over it entirely.

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[View](#) [Edit](#) 9 mins

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[View](#) [Edit](#) 9 mins

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[View](#) [Edit](#) 9 mins

## Math Menu Page

Preview : LearnWithFun

Learn With Fun Subjects Quiz Hi User Logout

# The Only Way To Learn Mathematics Is To Do Mathematics.

## Math - First Step

**Addition**

+

+

+

**Subtraction**

-

-

-

**Multiplication**

×

×

×

**Division**

÷

÷

÷

## Math Addition Learning Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

### Addition:

**Let's Do this...**

I have 5 apples and my friend gave me 1 apple.



**Healthy Apple**



+



So, now I have 6 apples



**Go Back**      **Little More**

## Quiz Menu Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Login

### Addition:



Let's Do this...

I have 5 apples and my friend gave me 1 apple.



+



So, now I have 6 apples



Go Back

Little More

# Quiz Page 1

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

## Addition:



Sweet Treat

1. Nitya has 4 chocolates, his mom gave him 1 more.  
How many chocolates do Nitya have in total?



A. 

B. 

C. 

D. None

Hint! Next

## Quiz Page 2

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

### Addition:



Cute Puppy!!!

2. Peter has 1 puppy. On his way to home he saw another puppy. He brings this puppy to home. How many puppies does Peter have now?



A. 

B. 

C. 

D. None of the above

Hint! Finish

## Score Page

Preview : LearnWithFun

Learn With Fun Subjects ▾ Quiz ▾ Hi User ▾ Logout

# Hooray!!!

You are a genius!!

10/10



This screenshot shows a 'Score Page' from the 'Learn With Fun' website. At the top, there's a navigation bar with a lightbulb icon, the site name, and dropdown menus for 'Subjects' and 'Quiz'. On the right, it shows a user's name and logout options. The main content area features large, bold text: 'Hooray!!!' in yellow, followed by 'You are a genius!!' in blue, and '10/10' in blue. Below this text is a cluster of ten balloons in various colors (red, yellow, green, blue, purple) tied together at the bottom.

# Admin UI Wireframe

## Admin Login Page



Learn With Fun Admin Portal

Learn With Fun

Username:

Password:

Log in

# Admin Control Panel



Learn With Fun Admin Portal

WELCOME, DHARA. [VIEW SITE / CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

## ACCOUNTS

Cities	<a href="#"></a> Add	<a href="#"></a> Change
Countries	<a href="#"></a> Add	<a href="#"></a> Change
Provinces	<a href="#"></a> Add	<a href="#"></a> Change
Students	<a href="#"></a> Add	<a href="#"></a> Change

## AUTHENTICATION AND AUTHORIZATION

Groups	<a href="#"></a> Add	<a href="#"></a> Change
Users	<a href="#"></a> Add	<a href="#"></a> Change

### Recent actions

#### My actions

- Student
- jena User
- Student
- Brockville City
- Kitchener City
- Kingston City
- Brampton City
- Belleville City

# Manage City Data

 Learn With Fun Admin Portal

WELCOME, DHARA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Accounts › Cities

Select City to change ADD CITY +

Action:   0 of 6 selected

	CITY ID	CITY NAME	PROVINCE ID	IS CITY ACTIVE
<input type="checkbox"/>	6	Brockville	Ontario ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	5	Kitchener	Ontario ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	4	Kingston	Ontario ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	3	Brampton	Ontario ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2	Belleville	Ontario ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	Mississauga	Ontario ▾   	<input checked="" type="checkbox"/>

6 Cities

**FILTER**

By province id

- All
- Manitoba
- New Brunswick
- Ontario
- Saskatchewan
- British Columbia

By city name

- All
- Belleville
- Brampton
- Brockville
- Kingston
- Kitchener
- Mississauga

By is city active

- All

# Manage Province Data

 Learn With Fun Admin Portal

WELCOME, DHARA [VIEW SITE / CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Accounts > Provinces

Select Province to change ADD PROVINCE +

Action:   0 of 5 selected

<input type="checkbox"/>	PROVINCE ID	PROVINCE/STATE NAME	COUNTRY NAME	IS PROVINCE ACTIVE
<input type="checkbox"/>	5	British Columbia	Canada ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	4	Saskatchewan	Canada ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	3	Ontario	Canada ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2	New Brunswick	Canada ▾   	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	Manitoba	Canada ▾   	<input checked="" type="checkbox"/>

5 Provinces Save

**FILTER**

By is province active

All  
Yes  
No

# User Management

Home > Authentication and Authorization > Users

The user "nitya" was changed successfully.

Select user to change ADD USER +

Search

Action:  0 of 3 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	dhara	contact@learnwithfun.ca	Dhara	Savaliya	<input checked="" type="checkbox"/>
<input type="checkbox"/>	jena	jena@example.com	Jena	Patel	<input type="checkbox"/>
<input type="checkbox"/>	nitya	nitya@example.com	Nitya	Savaliya	<input type="checkbox"/>

3 users

**FILTER**

By staff status

- All
- Yes
- No

By superuser status

- All
- Yes
- No

By active

# Staff List View



Learn With Fun Admin Portal

WELCOME, DHARA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Authentication and Authorization > Users

Select user to change ADD USER +

Search 2 results (3 total)

Action:  Go 0 of 2 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	jena	jena@example.com	Jena	Patel	<span style="color: red;">X</span>
<input type="checkbox"/>	nitya	nitya@example.com	Nitya	Savaliya	<span style="color: red;">X</span>

2 users

**FILTER**

By staff status

- All
- Yes
- No

By superuser status

- All
- Yes
- No

By active

- All
- Yes

# Manage User Information

 Learn With Fun Admin Portal

WELCOME, DHARA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Accounts > Students > Jena

Change Student HISTORY

Student user id:  ▼ ✎ +

Student city:  ▼ ✎ + ✖

Student province:  ▼ ✎ + ✖

Student country:  ▼ ✎ + ✖

Is student active

Delete Save and add another Save and continue editing SAVE

# User Role and Permission Control Panel



Learn With Fun Admin Portal

WELCOME, DHARA. [VIEW SITE / CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Authentication and Authorization > Users > jena

Change user HISTORY

**Username:**  Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

**Password:** **algorithm: pbkdf2\_sha256 iterations: 180000 salt: wcaYRQ\*\*\*\*\* hash: Wc5VR1\*\*\*\*\***  
Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using [this form](#).

**Personal info**

First name:

Last name:

Email address:

**Permissions**

Active  
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

## Continue...

Permissions

Active  
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

Staff status  
Designates whether the user can log into this admin site.

Superuser status  
Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups <small>?</small>	
<input type="text"/> Filter	

Chosen groups <small>?</small>	
<span style="color: green;">+</span>	

?  ?

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions <small>?</small>	
<input type="text"/> Filter	

Chosen user permissions <small>?</small>	

## Continue...

User permissions:

Available user permissions [?](#)

Filter

- accounts | City | Can add City
- accounts | City | Can change City
- accounts | City | Can delete City
- accounts | City | Can view City
- accounts | Country | Can add Country
- accounts | Country | Can change Country
- accounts | Country | Can delete Country
- accounts | Country | Can view Country
- accounts | Province | Can add Province
- accounts | Province | Can change Province
- accounts | Province | Can delete Province
- accounts | Province | Can view Province
- accounts | Student | Can add Student

[Choose all \[?\]\(#\)](#)

[Remove all \[?\]\(#\)](#)

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

### Important dates

Last login:

Date:  Today

Time:  Now

Date joined:

Date:  Today

Time:  Now

[Delete](#)

[Save and add another](#)

[Save and continue editing](#)

**SAVE**