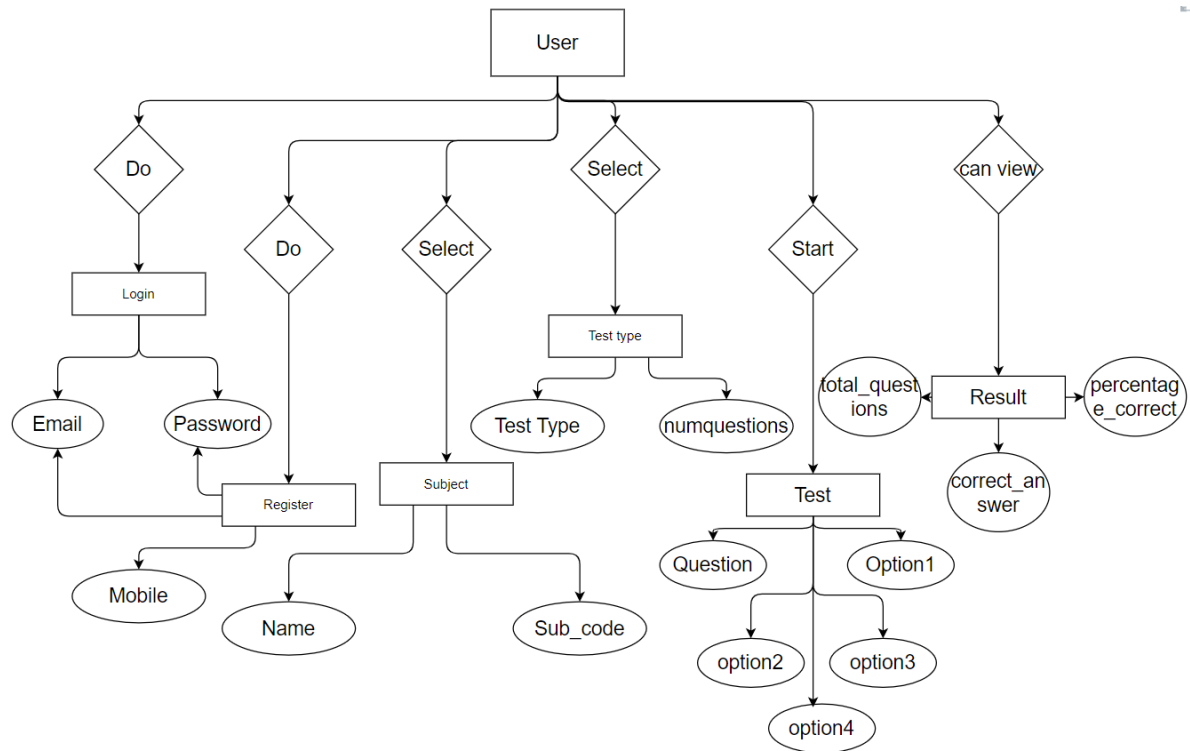


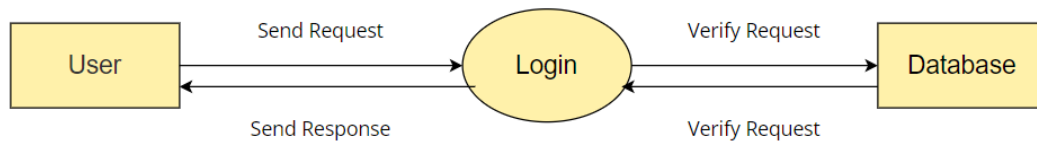
# Smart Test

## ER(Entropy Relationship Diagram)



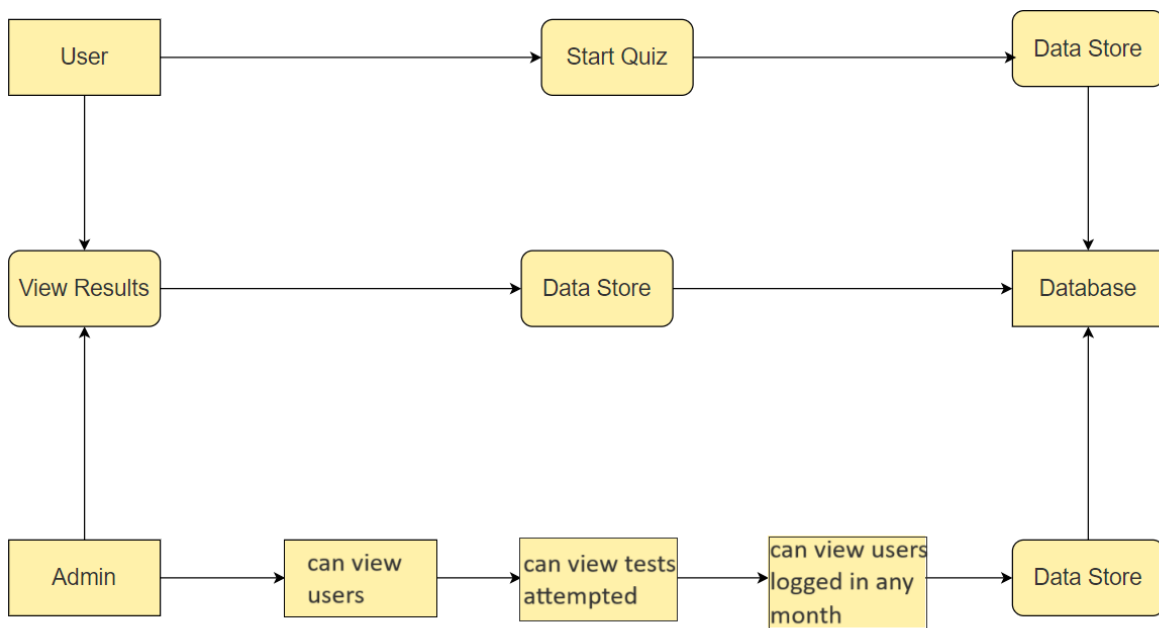
# DFD (Data Flow Diagram)

## DFD Level-0



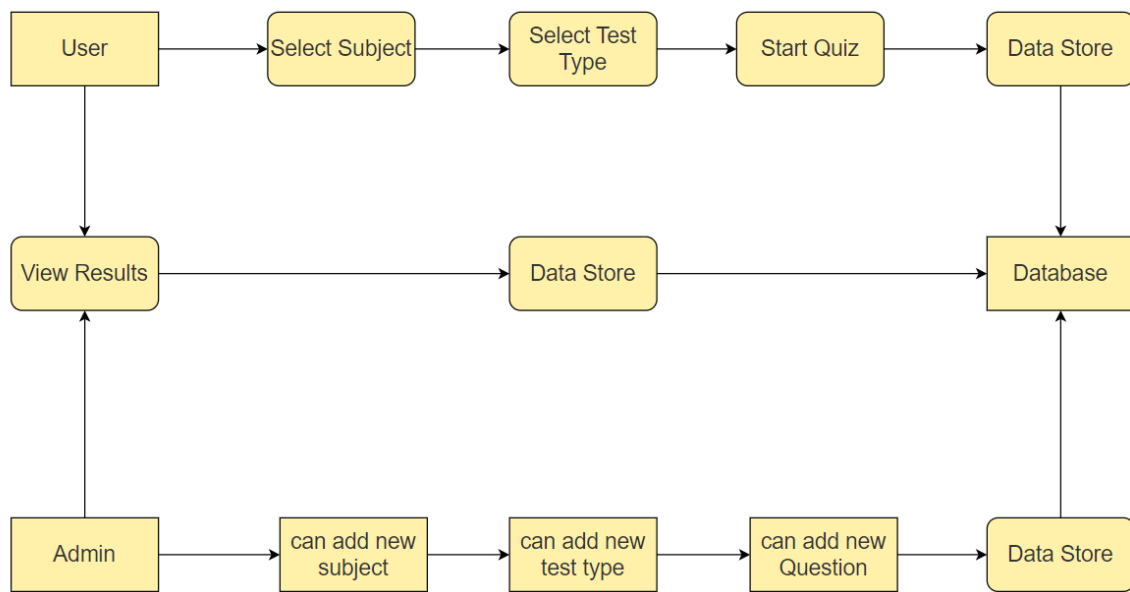
## Level-0

## DFD Level-1



## Level-1

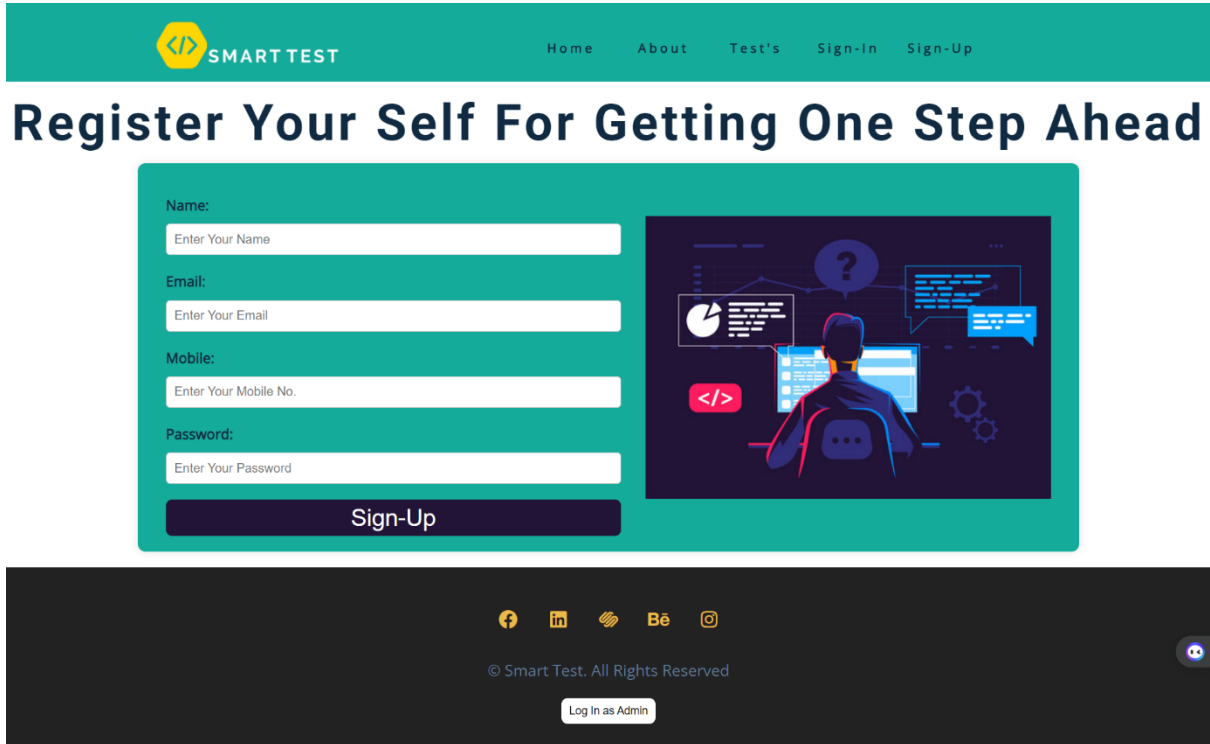
## DFD Level-2



Level-2

# Website Snapshots

## User



The image shows the 'Sign-Up' page of the Smart Test website. The header is teal with the 'SMART TEST' logo on the left and navigation links 'Home', 'About', 'Test's', 'Sign-In', and 'Sign-Up' on the right. The main heading is 'Register Your Self For Getting One Step Ahead'. The sign-up form is on the left, with fields for Name, Email, Mobile, and Password, each with a placeholder text. A 'Sign-Up' button is at the bottom of the form. To the right of the form is an illustration of a person at a computer with various tech icons. The footer is dark grey with social media icons, copyright text '© Smart Test. All Rights Reserved', a 'Log In as Admin' button, and a chat icon.

**SMART TEST** Home About Test's Sign-In Sign-Up

## Register Your Self For Getting One Step Ahead

Name:  
Enter Your Name

Email:  
Enter Your Email

Mobile:  
Enter Your Mobile No.

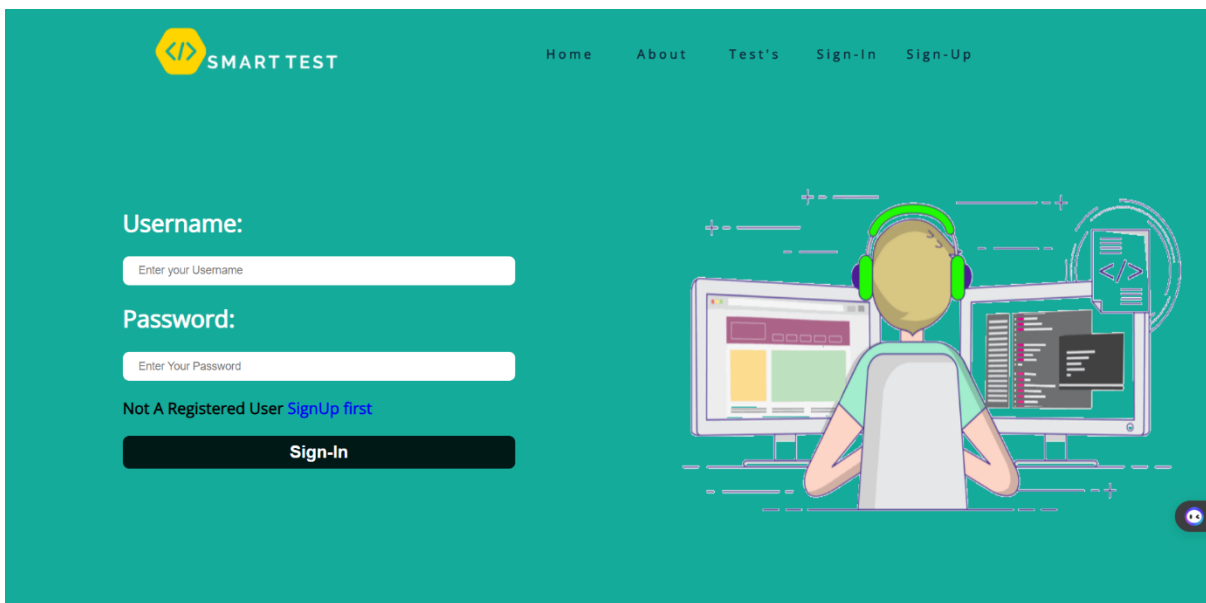
Password:  
Enter Your Password

**Sign-Up**

© Smart Test. All Rights Reserved

[Log In as Admin](#)

This is the user sign up page through which user can register himself or herself.



The image shows the 'Sign-In' page of the Smart Test website. The header is teal with the 'SMART TEST' logo on the left and navigation links 'Home', 'About', 'Test's', 'Sign-In', and 'Sign-Up' on the right. The sign-in form is on the left, with fields for Username and Password, each with a placeholder text. Below the form is a link 'Not A Registered User SignUp first' and a 'Sign-In' button. To the right of the form is an illustration of a person wearing headphones at a computer with various tech icons. The footer is dark grey with a chat icon.

**SMART TEST** Home About Test's Sign-In Sign-Up

Username:  
Enter your Username

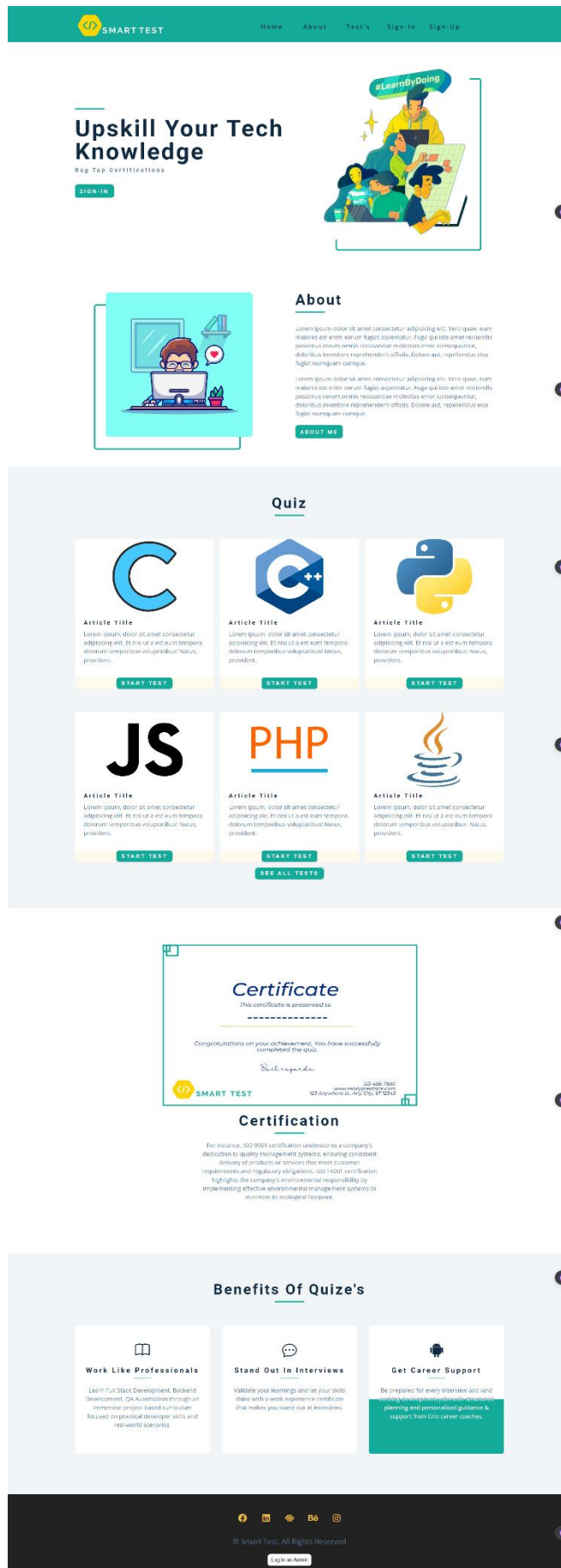
Password:  
Enter Your Password

Not A Registered User [SignUp first](#)

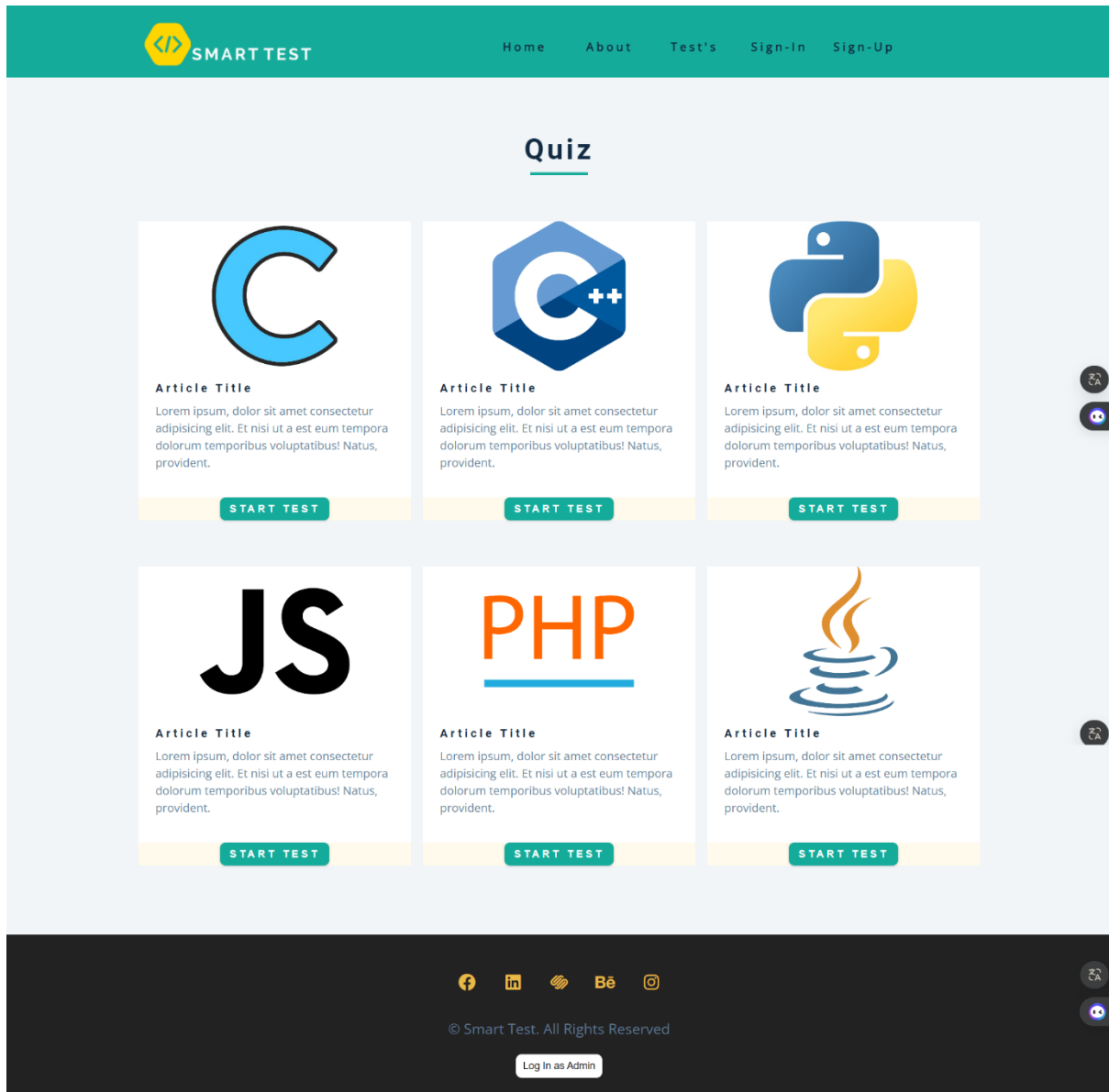
**Sign-In**

After signing up the user will be redirected to sign in page through which he will log in to the website.

This is websites Home page.

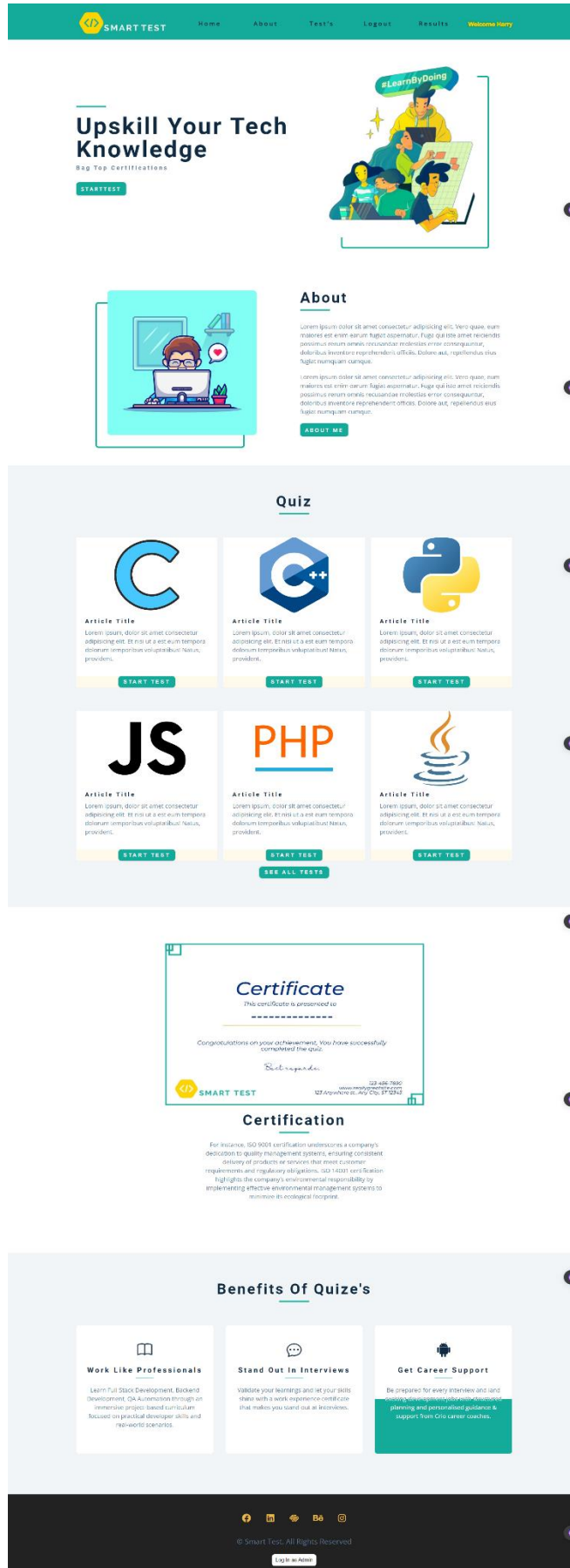


This is test page where various tests are placed before login the button start test will render you to sign in page but after login you can successfully attempt the test.

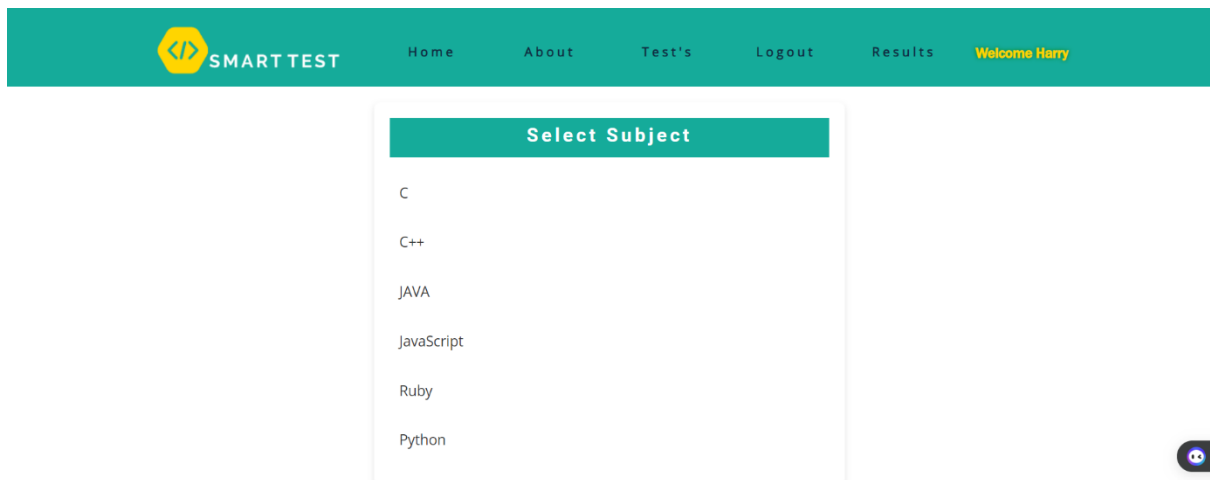


# After Login

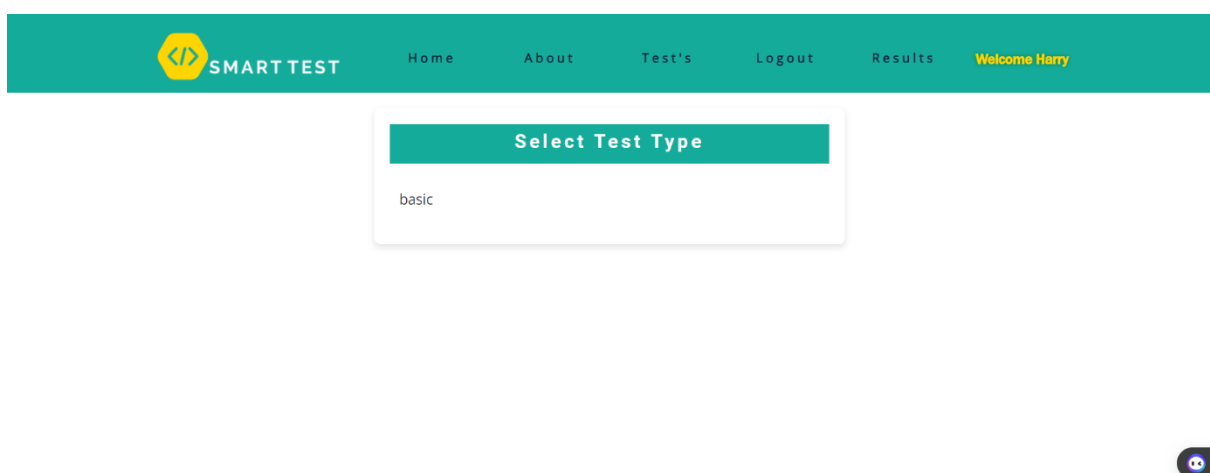
After login you will see your name in navbar and a logout and view results button would appear in navbar.



Now user can start test by selecting the subject.




After selecting the subject he can select the test type he want to appear for.





After selecting the subject questions similar to test type will appear with a timer of 30seconds. After the timer runs out that question is marked as 0.

 SMART TEST

[Home](#) [About](#) [Test's](#) [Logout](#) [Results](#) [Welcome Harry](#)

Answer Questions

what is c famous for?

☐ A. Encapsulation

☐ B. Fregmentation


☐ C. Polymorphism

☐ D. Pointers

Next Question

Time Left: 26s

After the test completing user will be able to see his/her marks total questions correct answers and percentage.

 SMART TEST

[Home](#) [About](#) [Test's](#) [Logout](#) [Results](#) [Welcome Harry](#)

Results

Name	Total Questions	Correct Answers	Percentage Correct	Date
harry	2	2	100%	2024-02-12
harry	2	0	0%	2024-02-12
harry	2	2	100%	2024-02-12
harry	2	1	50%	2024-02-12
harry	2	1	50%	2024-02-12
harry	2	0	0%	2024-02-12
harry	2	1	50%	0000-00-00
Harry	2	1	0%	2024-02-13
Harry	2	2	0%	2024-02-13


# Admin

Admin will login through it's username and password.

**Admin Login**  
**Username:**  
  
**Password:**



After logging in dashboard of admin will appear where he will be able to see total no. of users logged in and total no. of test attempted.

 SMART TEST    [Dashboard](#)   [View Users](#)   [Add Subject](#)   [Add Test](#)   [Add Questions](#)   [View Result](#)   [Logout](#)   [Home](#)

**Select Month:**  
  
**Select Year:**

**Total Users Registered**  
**4**

**Total Tests Attempted**  
**25**

Now admin can view all the users through his panel.

### User List

Login ID	Name	Email	Mobile	Password
18	sonu	sonu@gmail.com	9828785695	sonu@123
19	Harry	harry@gmail.com	9828785695	harry@123
20	Sunil	sunil@gmail.com	9828785695	sunil@123
21	Rahul	r@gmail.com	9828785695	rahul@123
33	Monika	monika@gmail.com	9828785695	monika@123



Admin can add more subjects for the test and they will reflect to the user and can also edit it.

### Add Subject

Subject Name:

Subject Code:


Add Subject

### Subject List

Subject Name	Subject Code	Action
C	S1	<input type="text" value="C"/> <input type="text" value="S1"/> <a href="#">Edit</a> <a href="#">Delete</a>
C++	S2	<input type="text" value="C++"/> <input type="text" value="S2"/> <a href="#">Edit</a> <a href="#">Delete</a>
JAVA	S3	<input type="text" value="JAVA"/> <input type="text" value="S3"/> <a href="#">Edit</a> <a href="#">Delete</a>
JavaScript	S5	<input type="text" value="JavaScript"/> <input type="text" value="S5"/> <a href="#">Edit</a> <a href="#">Delete</a>
Ruby	S6	<input type="text" value="Ruby"/> <input type="text" value="S6"/> <a href="#">Edit</a> <a href="#">Delete</a>
Python	S7	<input type="text" value="Python"/> <input type="text" value="S7"/> <a href="#">Edit</a> <a href="#">Delete</a>



Admin can also add more test types for the user and can also edit them.

 SMART TEST

[Dashboard](#) [View Users](#) [Add Subject](#) [Add Test](#) [Add Questions](#) [View Result](#) [Logout](#) [Home](#)

### Add Test

Select Subject:

7 - C

Select Test:

Basic

Number of Questions:

Add Test

### Submitted Tests

Test ID	Subject ID	Subject Name	Test Type	Number of Questions	Action
21	7	C	basic	2	<a href="#">Edit/Delete</a>
24	8	C++	basic	2	<a href="#">Edit/Delete</a>
25	9	JAVA	basic	2	<a href="#">Edit/Delete</a>
26	10	JavaScript	basic	2	<a href="#">Edit/Delete</a>
27	11	Ruby	basic	2	<a href="#">Edit/Delete</a>
28	12	Python	basic	2	<a href="#">Edit/Delete</a>

Admin can add questions add options and can also edit them according to the need.

### Add Question

Select Subject:  
7 - C

Select Test Type:  
basic

Question:

Option A:

Option B:

Option C:

Option D:

Correct Answer:

Add Question

### Submitted Questions

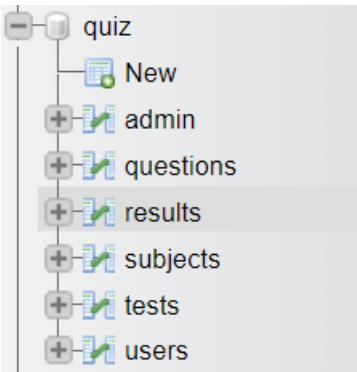
Question ID	Subject	Test Type	Question	Option A	Option B	Option C	Option D	Correct Answer	Action
22	7	basic	What is C?	Programming Language	coding language	markup language	structural language	A	<div>EditDelete</div>
26	7	basic	what is c famous for?	Encapsulation	Fregmentation	Polymorphism	Pointers	D	<div>EditDelete</div>
27	8	basic	What is C++ famous for?	Polymorphism	Inheritance	Pointers	Both A & B	D	<div>EditDelete</div>
28	8	basic	What is C++?	Programming Language	Structural Language	Procedural Language	Object Oriented Programming Language	D	<div>EditDelete</div>
29	9	basic	Which keyword is used to define a constructor in Java?	'init'	'this'	'constructor'	'public'	B	<div>EditDelete</div>
30	9	basic	What is Java?	Programming Language	Structural Language	Markup Language	Object Oriented Programming Language	D	<div>EditDelete</div>
31	10	basic	What is JavaScript(JS)?	Programming Language	Interpreted Programming Language	Markup Language	Structural Language	B	<div>EditDelete</div>
32	10	basic	Which Case does JavaScript use?	Snake Case	Pascal Case	Camel Case	Upper Case	C	<div>EditDelete</div>
33	11	basic	What is Ruby?	Programming Language	Structural Language	Markup Language	Object Oriented Programming Language	D	<div>EditDelete</div>
34	11	basic	When was Ruby created?	Early 90s	Mid 90s	Late 90s	None Of The Above	B	<div>EditDelete</div>
35	12	basic	What is Python?	Programming Language	Structural Language	Interpreted Programming Language	Markup Language	C	<div>EditDelete</div>
36	12	basic	When was Python developed?	Early 80s	Mid 80s	Late 80s	None Of The Above	C	<div>EditDelete</div>

Admin can view results of all the users.

All Results

Name	Total Questions	Correct Answers	Percentage Correct	Date
sonu	2	2	100%	2024-02-12
sonu	2	1	50%	2024-02-12
sonu	2	2	100%	2024-02-12
sonu	1	0	0%	2024-02-12
harry	2	2	100%	2024-02-12
harry	2	0	0%	2024-02-12
harry	2	2	100%	2024-02-12
harry	2	1	50%	2024-02-12
sunil	2	1	50%	2024-02-12
sunil	2	0	0%	2024-02-12
harry	2	1	50%	2024-02-12
harry	2	0	0%	2024-02-12
harry	2	1	50%	0000-00-00
Sunil	2	2	100%	0000-00-00
Sunil	2	2	100%	2024-02-12
sonu	2	2	100%	2024-02-12
sonu	2	2	100%	2024-02-12
sonu	2	0	0%	2024-02-12
sonu	2	1	0%	2024-02-12
sonu	2	1	0%	2024-02-12
sonu	2	2	0%	2024-02-12
sonu	2	1	0%	2024-02-12
sonu	2	2	0%	2024-02-12
sonu	2	1	0%	2024-02-12
sonu	2	2	0%	2024-02-12
Harry	2	1	0%	2024-02-13
Harry	2	2	0%	2024-02-13

# Database Tables



✔ Showing rows 0 - 1 (2 total, Query took 0.0005 seconds.)

`SELECT * FROM `admin``

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

username	password
admin	admin123
Himanshu	himanshu@123

☐ Show all | Number of rows: 25 | Filter rows:

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

←-T-→	question_id	subject_id	test_type	question	option1	option2	option3	option4	correct_answer
<input type="checkbox"/>  Edit  Copy  Delete	22	7	basic	What is C?	Programming Language	coding language	markup language	structural language	A
<input type="checkbox"/>  Edit  Copy  Delete	26	7	basic	what is c famous for?	Encapsulation	Fregmentation	Polymorphism	Pointers	D
<input type="checkbox"/>  Edit  Copy  Delete	27	8	basic	What is C++ famous for?	Polymorphism	Inheritance	Pointers	Both A & B	D
<input type="checkbox"/>  Edit  Copy  Delete	28	8	basic	What is C++?	Programming Language	Structural Language	Procedural Language	Object Oriented Programming Language	D
<input type="checkbox"/>  Edit  Copy  Delete	29	9	basic	Which keyword is used to define a constructor in J...	'init'	'this'	'constructor'	'public'	B
<input type="checkbox"/>  Edit  Copy  Delete	30	9	basic	What is Java?	Programming Language	Structural Language	Markup Language	Object Oriented Programming Language	D
<input type="checkbox"/>  Edit  Copy  Delete	31	10	basic	What is JavaScript(JS)?	Programming Language	Interpreted Programming Language	Markup Language	Structural Language	B
<input type="checkbox"/>  Edit  Copy  Delete	32	10	basic	Which Case does JavaScript use?	Snake Case	Pascal Case	Camel Case	Upper Case	C
<input type="checkbox"/>  Edit  Copy  Delete	33	11	basic	What is Ruby?	Programming Language	Structural Language	Markup Language	Object Oriented Programming Language	D
<input type="checkbox"/>  Edit  Copy  Delete	34	11	basic	When was Ruby created?	Early 90s	Mid 90s	Late 90s	None Of The Above	B
<input type="checkbox"/>  Edit  Copy  Delete	35	12	basic	What is Python?	Programming Language	Structural Language	Interpreted Programming Language	Markup Language	C



name	total_questions	correct_answers	percentage_correct	test_date
harry	2	0	0	2024-02-12
harry	2	2	100	2024-02-12
harry	2	1	50	2024-02-12
sunil	2	1	50	2024-02-12
sunil	2	0	0	2024-02-12
harry	2	1	50	2024-02-12
harry	2	0	0	2024-02-12
harry	2	1	50	0000-00-00
Sunil	2	2	100	0000-00-00
Sunil	2	2	100	2024-02-12
sonu	2	2	100	2024-02-12
sonu	2	2	100	2024-02-12
sonu	2	0	0	2024-02-12
sonu	2	1	0	2024-02-12
sonu	2	1	0	2024-02-12
sonu	2	2	0	2024-02-12
sonu	2	1	0	2024-02-12
sonu	2	2	0	2024-02-12
sonu	2	1	0	2024-02-12
sonu	2	2	0	2024-02-12

✓ Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.)

[SELECT \\* FROM `subjects`](#)

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows:  | Filter rows:  | Sort by key:

Extra options

				subject_id	subject_name	subject_code
<input type="checkbox"/>				7	C	S1
<input type="checkbox"/>				8	C++	S2
<input type="checkbox"/>				9	JAVA	S3
<input type="checkbox"/>				10	JavaScript	S5
<input type="checkbox"/>				11	Ruby	S6
<input type="checkbox"/>				12	Python	S7

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows:  | Filter rows:  | Sort by key:



















✓ Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.)

[SELECT \\* FROM `tests`](#)

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows:  | Filter rows:  | Sort by key:

Extra options

<div><div>← T →</div><div></div></div>				test_id	subject_id	test_type	num_questions	subject_name
<input type="checkbox"/>	 Edit	 Copy	 Delete	21	7	basic	2	C
<input type="checkbox"/>	 Edit	 Copy	 Delete	24	8	basic	2	C++
<input type="checkbox"/>	 Edit	 Copy	 Delete	25	9	basic	2	JAVA
<input type="checkbox"/>	 Edit	 Copy	 Delete	26	10	basic	2	JavaScript
<input type="checkbox"/>	 Edit	 Copy	 Delete	27	11	basic	2	Ruby
<input type="checkbox"/>	 Edit	 Copy	 Delete	28	12	basic	2	Python

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows:  | Filter rows:  | Sort by key:

✔ Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

`SELECT * FROM `users``

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25  Filter rows:  Sort by key: None

Extra options

				loginid	name	email	mobile	password	signup_date
<input type="checkbox"/>				18	sonu	sonu@gmail.com	9828785695	sonu@123	2024-02-12
<input type="checkbox"/>				19	Harry	harry@gmail.com	9828785695	harry@123	2024-01-14
<input type="checkbox"/>				20	Sunil	sunil@gmail.com	9828785695	sunil@123	2024-02-12
<input type="checkbox"/>				21	Rahul	r@gmail.com	9828785695	rahul@123	2024-02-12
<input type="checkbox"/>				33	Monika	monika@gmail.com	9828785695	monika@123	2024-02-12

☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25  Filter rows:  Sort by key: None