Quiz Application:  
Modules:  
1. Users (Super admin/Admin/Student/Teacher/Parents) , Registration, authentication , login , permission, access control,

2. Admins

* Login Registration Page (Create/Delete Pupils like Students and, or Teachers)
* Admin will have the rights to add teachers to a class or remove from class.
* Admin will assign a teacher for more than one class.
* Admin will have the rights to assign teachers to a subject in a class or remove from the class.
* Admin will give admin rights to teachers to add, delete and edit quizzes for their assigned classes/subjects only.
* Assigned student to subjects in a class.
* Admin will have the rights to edit class name.
* Admin will have the rights to view history of a class/subjects taken by teachers.
* Admin will have the rights to view, edit and add students and teachers to platform.
* Admin will have the rights to view, edit and delete quizzes for a class/subject.
* Admin will have the rights to view, download and send report.
* Message to students/parents (view, delete, send)

3. Parent s (one parent might have)

There must have an option to send report to parents in every report like assignments/exam report.

4. Students

* Login/Registration page
* Access to assigned class only.
* Access to quizzes in student page.
* Student should be able to send message/email to teacher.
* Student should be able to view, download and send the total summary class report through email.
* Student should be able to view, download and send per topic per subject summary class report through email.
* Student should be able to plot graph.
* An icon/button named **Worked example** icon.
* There should have a page for quiz.
* There should have a page for assignments.
* There should have a page for exam.
* There should have a page for assigned quizzes.
* A leader board page that shows total number of hours spent by students which must refresh every month.

5. Teachers

* Login page.
* Teacher can only view pupil of his/her assigned class only.
* Teacher should be able to add/edit/delete quizzes for his/her assigned class only
* Teacher should be able to set/edit/delete exam schedule and exam questions for his/her assigned class only.
* Teacher should be able to add/edit/delete assignments for his/her assigned class only.
* Teacher should be able to view, download and send the total summary of his/her assigned class report through email.
* Teacher should be able to view, download and send his/her assigned class report as per topic per subject through email.
* One teacher is allowed for more than one class.

6. Academic years

a. Early years

* Nursery Class (3 to 4 years old)
* Reception Class (4 to 5 years old)

b. Primary School

* Key Stage 1

@ Year 1 (5 to 6 years old)

@ Year 2 (6 to 7 years old)

* Key Stage 2

@ Year 3 (7 to 8 years old)

@ Year 4 (8 to 9 years old)

@ Year 5 (9 to 10 years old)

@ Year 6 (10 to 11 years old)

c. Secondary School

* Key Stage 3

@ Year 7 (11 to 12 years old)

@ Year 8 (12 to 13 years old)

@ Year 9 (13 to 14 years old)

* Key Stage 4

@ Year 10 (14 to 15 years old)

@ Year 7 (15 to 16 years old)

7. Classes

* Each class contain unlimited number of student/teacher.
* Each class should have students’ login and teachers’ login.

9. Subjects

|  |  |  |  |
| --- | --- | --- | --- |
| Academic Years | Class | Sub Class | Subjects |
| Early Years | Nursery Class  (3 to 4 Years old) |  | Mathematics,  Rhymes  Literacy |
| Reception Class  (4 to 5 years old) |  | Mathematics,  Rhymes  Literacy |
| Primary School  Primary School | Key Stage 1 | Year 1  (5 to 6 years old) | Mathematics  Mathematics Assessment  English  English Assessment  Science |
| Year 2  (6 to 7 years old) | Mathematics  Mathematics Assessment  Math’s SATs Exam  English  English Assessment  English SATs Exam  Science |
| Key Stage 2 | Year 3  (7 to 8 years old) | Mathematics  Mathematics Assessment  11+ Maths  English  11+ English  English Assessment  English SATs Assessment  Science  11+ verbal Reasoning  11+ Non-verbal Reasoning |
| Year 4  (8 to 9 years old) | Mathematics  Mathematics Assessment  11+ Maths  English  11+ English  English Assessment  English SATs Assessment  Science  11+ verbal Reasoning  11+ Non-verbal Reasoning |
| Year 5  (9 to 10 years old) | Mathematics  Mathematics Assessment  11+ Maths  English  11+ English  English Assessment  English SATs Assessment  Science  11+ verbal Reasoning  11+ Non-verbal Reasoning |
| Year 6  (10 to 11 years old) | Mathematics  Mathematics Assessment  Mathematics SATs Assessment  English  English Assessment  English SATs Assessment  Science |

|  |  |  |  |
| --- | --- | --- | --- |
| Secondary School | Key Stage 3 | Year 7  (11 to 12 years old) | Mathematics  Mathematics Assessment  Physics  Chemistry  Biology |
| Year 8  (12 to 13 years old) | Mathematics  English  Physics  Chemistry  Biology |
| Year 9  (13 to 14 years old) | Mathematics  English  Physics  Chemistry  Biology |
| Key Stage 4 | Year 10  (14 to 15 years old) | Mathematics  Mathematics Assessment  Physics  Chemistry  Biology |
| Year 11  (15 to 16 years old) | Mathematics  Mathematics Assessment  Physics  Chemistry  Biology |

10. Quiz

* Each quiz should contain view only video and notes.
* Display question
* Input answers option
* Display the correct answer
* Display wrong answer by color/comments.
* Assessment question should be timed.
* Question should be timed.
* Question should be shuffled.
* There must be a page for comprehension type question.
* There must be a page for plot graphs.

11. Assignments

* Teacher will set/edit/Delete assignments for his/her assigned class
* Student will view feedback from teacher icon after completing/submitting assignments
* Teacher will be able to send weekly report to parents for assignment/homework report.
* Is there have a scheduled assignment facility?

12. Report

* Show students’ result by subject per class.
* There must a filtering option by year, class, sub class, subject and subject topic (See subject close)
* Color code should be used as: green for average marks between 60 to 100, yellow for average marks between 40 to 59, red for average marks between 0 to 39.
* System should be able to collect first, average and maximum score of a class.
* Retake button should be attached to each topic report in student page.
* Spent time by a student must show in report.

13. Exams

**How many exams will be held in a year? What will be the question pattern.**

14. Leader board

A comparison process among schools using this app globally about their usage of this app by their students’ consumed time.

15. Spent time

System will count time consumed by a student individually in this app and will show in his/her individual report.

16. Notification (SMS, email, portal notification, push notifications)  
17. Message? Is there a process for messaging for students to teacher?  
18. Support & ticket  
19. Settings Questions:   
1. Is the application will use only one institute?  
2. What will be the student promotion process, many more question will have later be based on this.  
3. Are there any games like frogplay?  
4. Not understood the “Exam board”  
5. Need more times to research on graph type question.