Right now our system has 2 type of users.

1. Administrator
2. Student / Parent

Now we need to create new type of users “Marker/Scorer” who will give score for descriptive questions of Test.

In current system Student takes challenge and each challenge contains set of different type of tasks. So we have to remove the current process like program->challenge->tasks. Instead of it, we will implement Assessment under each school. So each school will have assessment and each assessment is assigned Test. Test may contains various questions. And each assessment will be linked to code.

To generate code Admin will select assessment and enter code number. Suppose he enter 50 codes for assessment A1. So school of this assessment will have 50 codes and they give those codes to their students. Now if a student sign in then he will see the assessment in his dashboard based on his code.

Admin will also create scoring batch for each assessment where students completed assessment test and need to scorer review it to give score. So admin will create scoring batch based on total number of student contains the batch and scorer will be assigned batch for giving score. To do this, we need to create new table “scoring\_batch” In database. The table may contains fields

Id -> auto increament integer

Assessment\_id -> integer which will linked to assessment

Scorer\_id -> id linked to scorer

Batch\_no -> varchar will define batch

Total\_strudent -> integer total number of student is assigned to the batch

Total\_score -> decimal

Status -> varchar 12

Created\_date-> datetime

We need another table “student\_assessment\_scores”. Fields would be

Id -> integer auto increament

Student\_id -> integer

Scorer\_id -> integer

Assessment\_id -> integer

Batch\_id -> integer

Score\_of\_all\_questions -> json format data

Total\_score -> decimal

Status -> varchar 10

Remarks -> text

Created\_date -> datetime

When scorer gives score to a student of a batch, the status would be “scored”. If a batch scoring is completed then the batch status would be “Completed”. Admin can review which batch is completed and which are pending.

Now if all batches of all assessments under a scholl are completed then it is ready to generate pdf report. Admin will click on generate report button and system will generate pdf file where School Name, Student Name, Assessment Name and year, Total Score, and remarks would be shown.

Admin can email the report to students.

So that’s all summary of the task. Something may need to change or discuss during development.