Project Objective

To design and develop Online Question Bank web application to facilitate the registered member to participate in online test category-wise and also administrator and examiner manage the portal as per as given privilege like upload the question and answer one by one or bulk upload through excel or .CSV file.
Question Pattern will be following types like:

- Single Choice MCQs (One answer correct)
- Multiple Choice MCQs (More than one correct)
- True or False
- Match the following
- Subjective (simple word or phrase)

The design of the application will be Custom Responsive with Latest Browser (IE8, IE9, IE10, IE11, Firefox, Safari, Chrome) compatibility of Laptop, Desktop, Smart Phone, Tablet, iPhone & iPad.

Admin Module [Phase 1]

Login Area

- Registered user ID
- Password
- Forget Password
- Login Button

Dashboard (with Brief report Graph)

- Master Entry for Subject , Group , Categories
- Manage online registration of student and Examiner
- Add | Edit | Delete Master Entry
- Add | Edit | Delete Students
- Active | Inactive Student
- Add | Edit | Delete Examiners
- Active | Inactive Examiners
- Manage privileges of student and Examiner
- Manage Question according to question bank plan
- Manage membership payment plans
- Add | Edit | Delete questions sets
- Review questions added by the examiners and make them active.
- Meta tag generator for each subject.
- Export and Import Question Bank. (from csv, excel)
- View reports and progress of students
- Manage E-Shop
- All the results are represented in the format of graphs as well as report format
- Search facility by keyword
- Customized Report
- Backup and Recovery of database facility
- Customizable color scheme / template (Option for changing the color scheme of different templates / Themes)

Examiner Module [Phase2]

Login Area

- Registered user ID
- Password
- Forget Password
- Login Button
- Become an Examiner (Examiner Registration button / link).

Dashboard (Examiner)

- Manage Profile information
- Change Password
- Manage Question Bank (Own)
  - ❖ Add Question & answer by selection subject /
  - ❖ Edit Question & answer
  - ❖ Review Question (Approved for live / Unapproved)

Note: in this section examiner will add the question and answer by selecting the categories / groups and its difficult level.

Student Module [Phase3]

Login Area

- Registered user ID
- Password
- Forget Password
- Login Button
- Register yourself (Student Registration button / link).

Dashboard (Student)

- Manage Profile information
- Change Password
- Available Test Series (Subject-wise)
- Shop Now
- Order Details (to buy Test series)
- Manage Test
  - ♦ Practice Test (Exam Mode)
  - ♦ Question Bank (Study Mode)

- Report
  - ♦ Exam Report
  - ♦ Total Credit left for Exam
  - ♦ Total Attempt / Un-attempt customizable

As per as system logic student pays for a subject, few subjects or a combination pack and once the payment is approved, the appropriate subjects or packs are activated for him and he gets access to the respective sections or subjects only.

Model test papers tests in the subject / combo: The student will have access to practice tests area only where the tests will be generated based on parameters set in the admin panel by the admin.

Accessing the Question bank: Study Mode

The questions in one subject can be categorized chapter wise and the dashboard shows the chapters. The student can choose any chapter. Inside that chapter, he can answer questions one by one – One question comes up with its Multiple choice answers. This is not timed. The student answers it (either selects one or more answers, matches or fills up a word or phrase according to the type of the question.) Click on submit and then the result is shown as right or wrong. If wrong, the correct answer is shown. There should be an option for a small note describing how to derive at the answer. There should be a Provision to add a relevant document.
The system should remember till what question in each subject the student has completed in a particular session so that he can continue from there the next time he logs in. He also can start from the beginning if he desires so.
Also the student has an option to report a wrong answer.

Model test papers: Exam Mode

The system should be able to generate various Mock tests as configured in the admin panel based on various parameters e.g.: A test paper with 25% very easy, 30% easy, 35% difficult, 10% very difficult questions and with 20% questions from Subject A, 25% from Subject B, 25% from Subject C, 20% from Subject D and 10% from Subject E.
It should be timed so that the student can have an idea regarding the time elapsed and time remaining to complete the test

Note: Shopping cart intended to display the various purchase options based on subjects and time periods; based on which access to various subjects will be granted after payment.

- ✓ The application will be very easy to install / upload on server. If require step by step guidance will be provided.

- ✓ A User Manual of the Application will be provided.

Technology Used:

- Php –
- Mysql
- JQuery
- Open Sources LMS Tools : Moodles, Olat, openelms

Note: Development milestones are divided into three phases.

- **Phase 1:** Front end design with Admin panel.
  Timeline: (2+28) =30 days.

- **Phase 2:** Examiner Module
  Timeline: 7 days

- **Phase 3:** Student Module
  Timeline: 15 days.

Payment Method:

- 25% ($388) after completing the front end design of Phase 1
- 25% ($388) after Phase 1 release (After 30 days)
- 20% ($310) after Phase 2 release (After 37 days)
- 20% ($310) after Phase 3 release (After 52 days)
- 10% ($155) after submitting the tested application and uploading it on the client's server.

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