elixirEdu: Curriculum Module

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Overview:

elixirEdu provides a complete all-in-one solution to manage all aspects of a student in an academic institution.

Modules:

1. **Base Module:**

   - **User Profile Picture:** Create, Update and Delete (*deletion allowed?*)

2. **Curriculum Management:**
   A Generic module which can accomodate any kind of cirriculum. Be it of School, College or Graduate or PG.

   - **Course Module:**

     - **Common:** Update/Delete(Archival) require a password.

     - **Course Creation, Updation and View**

       - Course is the top level abstraction of any degree or scheme
       - A role will be created by the name of the course.
         - This role can be assigned to whomsoever who needs high level info of this course.
       - Ex: BA, CBSE
       - UI: A Form wizard and Table (with filters and search), Popup for delete

     - **Grade Creation, Updation, Deletion and View**

       - Grade is the division of a course.
       - A Grade can be deleted only if it does not have any terms
       - A role will be created by the name of the course.
         - This role can be assigned to whomsoever who needs high level info of this grade.
       - Ex: BA-1, BA-2, 1St Standard, Class1-12, etc.
       - UI: A form wizard and Table (with filters and search), Popup for delete.

- **Term Creation, Updation, Deletion and View**

  - Term is a duration based division of the Grade.
  - A Term can be deleted only if it does not have any students
  - Ex: Sem1 of BA-1, Sem2 of BA-1, Year1
  - UI: A Form wizard and Table (with filters and search), Popup for delete
  - Questions:
    - *Should the term start automatically based on start date? / should it be manually started?*

- **Subject Creation, Updation & Deletion**

  - Subject/lectures are independent assets which can be mapped to any term.
  - A teacher will not be mapped to a subject at this stage.
  - A role will be automatically created on creation of a subject.
    - *This role can later be assigned to a Teaching staff? / Teachers for this role must be chosen now ??*
    - Ex: Role:Sub_Maths
  - A subject can be mapped to many terms across courses.
  - A Subject can be deleted only if it does not have any terms/teachers associated with it.
  - Ex: Science, Mathematics, PE
  - UI: A Form wizard and Table (with filters and search), Popup for delete

- **Assigning Subjects and Teachers to a Term (and Removing)**

  - A subject will be assigned to a term
  - A teacher needs to be selected for a this assigned subject.
  - A Dropdown of teachers with thisperticular subject role can be provided or a different teacher can be selected (In which scenario the subject role will be automatically assigned to this teacher)
  - Removing/Updating will invalidate the time table (future module) and new time table needs to be generated.
  - UI: A Form wizard and Table (with filters and search), Popup for delete

- **Assigning/Updating/Removing Students to a Grade.**

  - Students will be allowed to be assigned to any of Grades (Ex. BA1, BA2).
  - Later students can be promoted to the next Grade (Manually) or a new Student can be added/removed to the current Grade at anytime.
  - UI: A Form wizard and Table (with filters and search), Popup for delete

- ○ **Examination Module:**

  - Creating an examination for a perticular subject in a perticular term
  - UI: A form wizard where admin will select one or more subjects add a category

(existing or new).
- UI: listing will be a table with advanced filtering (based on Grade, Course, Term, Time, Category etc)
- *Question: Hall ticket generation required?*
- An Exam will belog to a category (for easier tracking later)
    - Ex: Class test, weekly test, mid-term, Finals etc.
- Examination details will be tracked individually.
    - Minimum marks, total marks,
    - *Question: An option to upload question paper pdf for future reference?*
- Examination results will be tracked individually.
    - A role will be assigned to the teacher and he/she can upadte the results
    - An option to generate a report card based on results?
- An examination can be deleted only if ir does not have any results

Permissions:

Cirriculum module will bring in 23 more permissons to the elixirEdu system:

Course	Grade	Term	Subject	Examination
Register	Register	Register	Register	Register
View All	View All	View All	View All	View All
Update	Update	Update	Update	Update
Archive/Delete	Archive/Delete	Archive/Delete	Archive/Delete	Archive/Delete
		Assign Subjects		Publish Results
		Assign Teachers		