

A Report on the Backend Design:-

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PHP validations can be used for the signup. We will be using PDO since it eliminates sql injection. The database can consist of:-

- 1) Full Name(not null)
- 2) Tel no(not null)
- 3) Email(not null)
- 4) Institution(not null)
- 5) Degree(not null)
- 6) Password(not null)
- 7) Username(primary key)
- 8) Sex(not null)(only male or female via radio button)

Then for the login username and password will be there, which will be matched against the database using php.

Then for the various courses, we can either have separate pages for each course or dynamically load it from the database when the user clicks on a particular course.

If we are using a database then, it's fields can be:-

- 1) Course Number(primary key)
- 2) Course Title(primary key) course number and course name together makes the composite primary key for the table.
- 3) Course Starts. (not null)
- 4) Course ends. (not null)
- 5) Estimated effort. (not null)
- 6) Prerequisites. (not null)
- 7) Overview. (not null)
- 8) Course Staff. (not null)
- 9) FAQ's (not null)
- 10) Image.(some image regarding the course)

In the glimpses of our course section we can load an image regarding the course and the course title.

Then in the news section as well we can either have separate pages for each news or load the news from database. If we are going for the database then fields:-

- 1) News id(primary key)
- 2) Image regarding the news

- 3) Headlines (not null)
- 4) The entire news itself(not null)

In the news section we can just have the image of the news and the headlines, on selecting read more, the user will be directed to a page where the image and the entire news would be loaded.

So these are the database structures that would be required in the site...

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