Description:

This will be a project taken by a few students from APTECH to create a better process to allow students and interested individuals to apply for courses online.

The website will have two (2) page; the front page and the admin page

The front page will display a grid showing pending and ongoing course batches and will allow users to register for said batches. The requirements for the front page are as follow:

* Display pending and ongoing batches in grid by days and timeslots
* View details about batch by click the respective batch in the grid
* Allow user to register for a batch by submitting their name and email address

The admin page will allow the administrator to manage course batches, view registrations and send emails to registered students. The requirements for the admin page are as follows:

* List pending and ongoing batches with the option to also view closed batches
* Allow admin to cancel a pending batch and close an ongoing batch
* Allow admin to create new batches
* View details batch by click the respective list item
* View interested students by batch
* Allow admin to send email to interested students

Data Structure:

Data will be stored in a MySQL on the website’s host server. There will be five (5) table which are detailed below.

Courses: contains ApTech offered courses.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Summary** | **Teacher** | **Max\_Seats** |
| Smallint (primary key) | Varchar(100) | Varchar(255) | Varchar(100) | Tinyint |
|  |  |  |  | Default max seats for each batch of this course |

Batches: contains all batches created for ApTech offered courses.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **CourseID** | **Status** | **Start\_Date** | **End\_Date** | **Available\_Seats** | **Max\_Seats** |
| Smallint (primary key) | Smallint (foreign key) | TinyInt | Date | Date | Tinyint | Tinyint |
|  |  | 1 = pending,  2 = ongoing,  3 = closed,  4 = cancelled |  |  |  |  |

BatchSchedule: contains batch to timeslot pairing. Timeslots are predefined in code.

|  |  |
| --- | --- |
| **BatchID** | **Timeslot** |
| Smallint (foreign key) | Tinyint |
|  |  |

Students: contains all registered students.

|  |  |  |
| --- | --- | --- |
| **ID** | **Name** | **Email** |
| Smallint (primary key) | Varchar(100) | Varchar(100) |
|  |  |  |

StudentBatches: contains student batch registrations.

|  |  |  |  |
| --- | --- | --- | --- |
| **BatchID** | **StudentID** | **Submit\_Date** | **Seated** |
| Smallint (foreign key) | Smallint (foreign key) | Date | bit |
|  |  |  | True/false. Whether or not the interested student actually got a seat for this batch |

SeverPages

Server pages for the site serve one of three main purposes: displaying a UI, providing data in JSON format for client side processing and processing submissions from users. Pages and their roles are listed below.

Index: entry page to the site. Displays the main public UI which is the batch grid.

Batches: retrieves batch information for pending and ongoing batches, as well as batch-timeslot pairings. Data will reflect below.

*{id:1,status:1,summary:"short description",courseid:1,coursename:"course 1",availseats:10,maxseats:20,startdate:'2017-06-20',enddate:'2017-08-20',teacher:'Subra'}*

*{timeslot:0,batchId:1}*

Register: receives and processes student registration.