## horizontal line



Project Name

Development Technical Test (Extended Version)

**─**

Shyftlabs.io

# Objective

* to create a One Page App for Student Result Management System
* You can use any backend & frontend technology.
* You can use any type of DB

# Deliverables

Upon the receipt of the project, you have 24 hours to complete and deliver the following with us

* A github repository
* A presentation of the working app (15 minutes)

# Application requirements

## Home page

* Application must have a homepage that holds links to other pages as described below.
* The links must be on the left hand side of the page in a navigation bar

Links to other pages are as follows:

o Home

o Add New Students

o Students List

o Add New Courses

o Courses List

o Add New Results

o Results List

## 

## Add New Students page

* In this page the user sees a form with the following controls:

o First name

o Family name

o Date of birth

o Email address

o Submit button

* Upon submission, all controls must be filled
* Email validation must prevent the user from entering invalid email addresses (eg. w@goo)
* Date of birth must be a valid date and the student must be at least 10 years old.
* Once all of the above are met, the new student is added to the systems, the app shows a notification for the new addition and clears all the controls for the user to add more students.

Students List page

* In this page the user sees a list of all students in a tabular form
* All the students’ info must be visible on the table
* Other than students’ info, there must be one more column that contains buttons for deletion of the students

| Name & Family name | DOB | Email | Delete |
| --- | --- | --- | --- |
| John Smith | 12/24/1999 | js@google.com | ❌ |
| John Die | 11/11/2001 | jd@amazon.com | ❌ |

* If the user clicks on the cross button the corresponding student will be deleted from the table

Add New Course page

* In this page the user sees a form with the following controls
  + Course name
  + Submit button
* Upon submission, all controls must be filled
* Once all the details are entered, the new course is added to the systems, the app shows a notification for the new addition and clears all the controls for the user to add more students.

Courses List page

* In this page the user sees a list of all courses in a tabular form
* All the course info must be visible on the table
* Other than courses info, there must be one more columns that contains buttons for deletion of the courses

| Course Name | Delete |
| --- | --- |
| Web Application Scripting | ❌ |
| Database Management | ❌ |

* If the user clicks on the cross button the corresponding course will be deleted from the table.

Add New Result page

* In this page the user sees a form with the following controls:
  + Course name (must be a selectable dropdown box that has all the courses names)
  + Student Name (must be a selectable dropdown box that has all the students names)
  + Score (a dropdown box that has the values A, B, C, D, E, F)
  + Submit button
* User must select one student, one course and one score
* Once all the details are selected, the new result is added to the systems, the app shows a notification for the new addition and clears all the controls for the user to add more students.

## 

## Results List page

* In this page the user sees a list of all scores in a tabular form similar to the following

| Course | Student | Score |
| --- | --- | --- |
| Web Application Scripting | John Smith | A |
| Database Management | John Doe | B |
| Web Application Scripting | John Dow | C |
| Database Management | John Smith | F |

* If a course is deleted from the Update courses page no scores must be shown for that course on this page.
* If a student is deleted from the Update students page no scores must be shown for that student on this page.