



Project Name

Development Technical Test (Extended Version)

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[Shyftlabs.io](https://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.

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