

Lab Activity 6 - HTML, CSS & JS

Software System Development – Monsoon 2023

Due Date: 27 September 2023, 05:00 pm

Instructions:

- Deadline mentioned during the Lab is strictly immutable. No extensions will be given.
- Any naming convention mentioned in the lab activity must be followed strictly or marks may be deducted for the same.
- Any plagiarized content will fetch zero marks for the current lab and will be followed by strict action against the students involved. However, discussion of ideas is allowed.

Submission Criteria:

- Create a folder with your **roll number as its name** and containing the following files corresponding to the questions:
 - **One HTML file, one CSS file and one Js File**
 - **<README.md**
- Compress the folder as a zip file (**name should be <roll_number>.zip**) and then upload it on the Moodle before deadline.
- **README.md** should contain steps for execution of your script and any extra information that you want the evaluator to know before running your script, such as dependencies on some external tools or libraries.
- For Example:

2022201079.zip

```
|__2022201079
    |__index.html
    |__scripts.js
    |__styles.css
    |__README.md
```

Question 1: (18 Marks)

In this activity, you have to make a team detail collection form for a Gali Cricket Tournament. Please use **external CSS (styles.css)** and **external JavaScript (scripts.js)** for this question.

1. **index.html:** This page will contain the form with below attributes. *(You can Use Bootstrap for this activity).*
 - a. **Team Name: (3 Marks)**
 - i. This is a required field, signifying Team's Name.
 - ii. Must Have validation checks for at least **one Uppercase** and at least **one Numeric** character. For Example "Matke2023".
 - iii. The validation must happen on **every keystroke**.
 - iv. Show an error message '**Invalid Username**' besides input field, if the field is invalid. Should disappear if the field has valid entry.
 - b. **Team Coach Name: (1 Marks)**
 - i. This is a required field, signifying Team's Coach Name.
 - c. **Team Email ID: (1 Marks)**
 - i. This is required field, signifies Team's email.
 - ii. Must have a validation check for email pattern.
 - d. **Password: (2 Marks)**
 - i. This field is required and provides space for entering a password (Should come in *** like pattern, i.e. hidden).
 - ii. Give an option to see the password.
 - e. **Confirm Password: (2 Marks)**
 - i. This field is required and will be used for cross verifying the entered password.(Should come in *** like pattern, i.e. hidden)
 - ii. The validation must happen the moment the user finishes typing or rather the moment the field loses its focus.
 - f. **Team Captain: (2 Marks)**
 - i. This is a required field and will be a dropdown field.
 - g. **Team Members: (4 Marks)**
 - i. This is a custom form element. This is a picklist component, where values are dragged and dropped from one section to another.
 - ii. This is also a required field.
 - h. **Submit Button: (3 Marks)**
 - i. On clicking this button, the form should get submitted only if it is valid.

- ii. On submitted, show the entered data on the Alert popup, as per the below format:

Team Name: <name>

Team Email ID: <email>

Team Coach Name: <username>

Team Captain: <lead>

Team Members: <members>

Question 2: (7 Marks)

Create Dark Mode for the above page:

1. Upon pressing Ctrl + M, the theme must toggle between dark mode and light mode.