



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course: CSE 310

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Project Title: Student Management system with Brac university's st system included

Project Features:

By the end of this course, implemented features:

- a) Login system(Student, Teacher, ST)
- b) Register System(Student)
- c) Teacher creating and updating assessment marks
- d) St updating assessment marks(Assigned by teacher)
- e) Student able to see their course marks
- f) Course and section wise student data updated by teacher
- g) Teachers are able to select n-best assessments of every type and the percentage they hold to full marks.
- h) Admin able to add teacher,st and student courses.


Screenshots:

Student:

- Login page

Student Tutor?

Teacher?



Email


Password

Login

☒ Remember me

Register

- Registration page



ID

Name

Email

Password

Login

☒ Remember me

Cancel

Register

- Home (Students can see their courses and marks)

Show Courses

| Course Code | Section | Open |
|-------------|---------|------|
|-------------|---------|------|

| Student ID | Course Code | Marks |
|------------|-------------|-------|
|------------|-------------|-------|

Logout


| Show Courses | | |
|--------------|---------|------|
| Course Code | Section | Open |
| CSE111 | 1 | Open |

| Student ID | Course Code | Marks |
|------------|-------------|-------|
| 1000 | CSE111 | 80 |

Logout


Teacher:

- Login



Email

Password



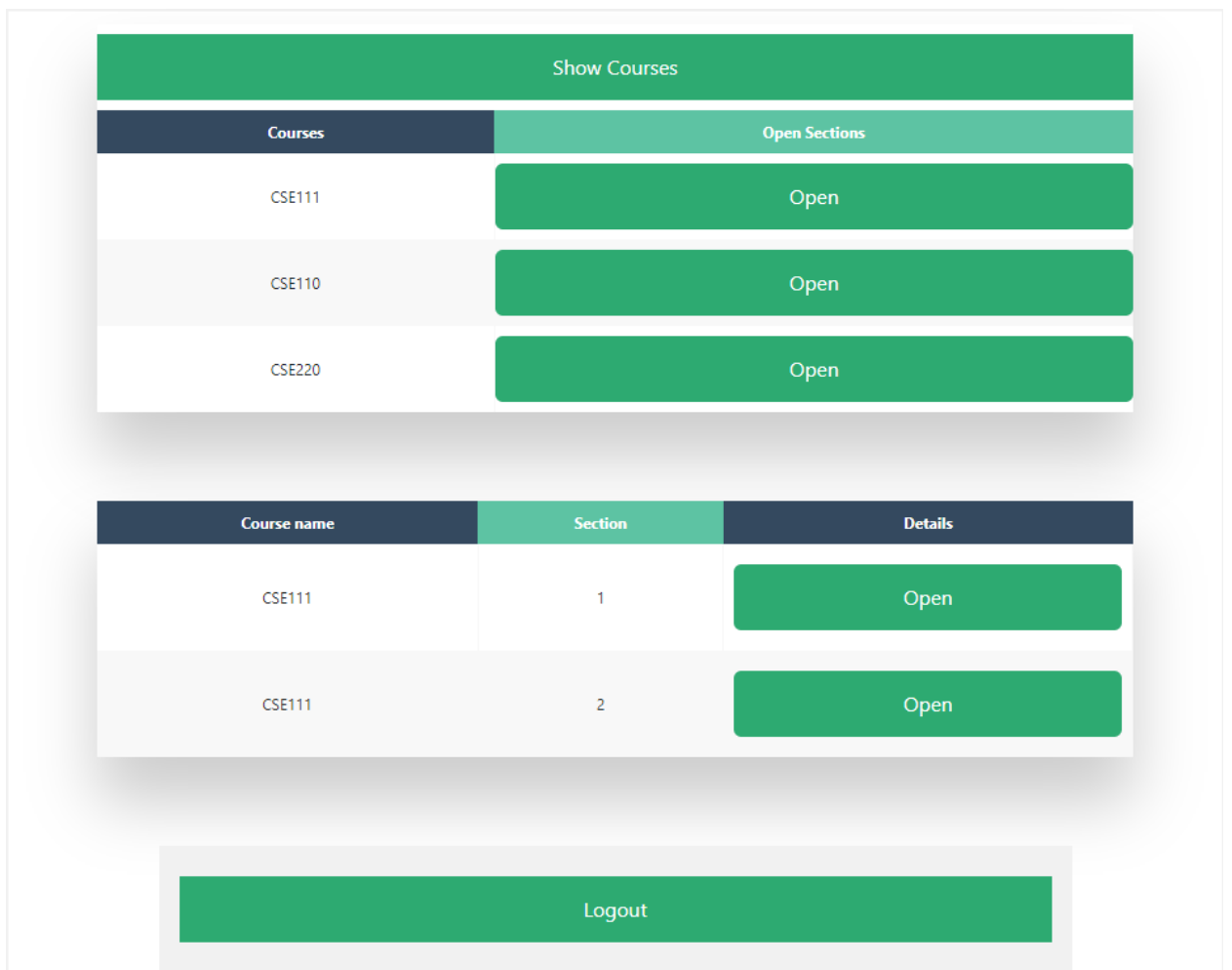
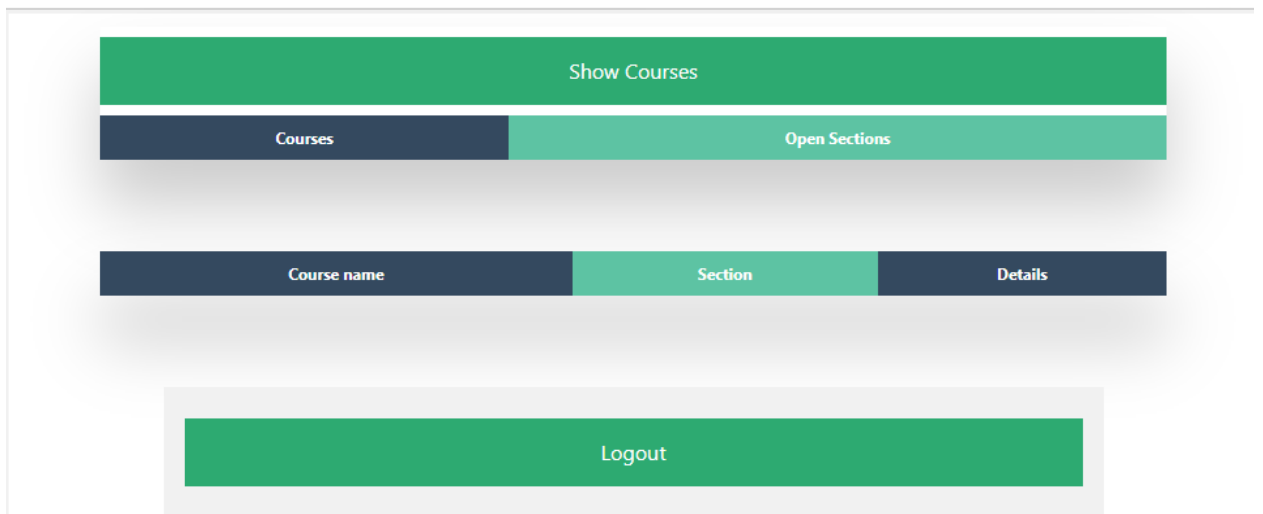
Login

☒ Remember me

Cancel

Forgot [password?](#)

- Home page (Teacher can see the courses and sections they are teaching)



- Clicking in the open section part navigates to the page of the section of that course.

Section _ part-1: (Teachers can see the assessments and update its marks. Teachers can also assign assessments to ST.)

Show Assesments

| | | | |
|------------|------|----|--------------|
| Assesments | Open | ST | Assign to ST |
|------------|------|----|--------------|

Assesment Details

| | |
|---------|-------|
| Student | Marks |
|---------|-------|

Update Marks

| Show Assesments | | | |
|-----------------|------|--------------|--------------|
| Assesments | Open | ST | Assign to ST |
| Quiz | Open | assigned | Assign |
| Assignment | Open | assigned | Assign |
| Midterm | Open | Not assigned | Assign |
| Final | Open | Not assigned | Assign |
| Quiz | Open | assigned | Assign |
| Assignment | Open | Not assigned | Assign |

| Assesment Details | |
|-------------------|-------|
| Student | Marks |
| 1000 | 24 |
| 1001 | 27 |
| Update Marks | |

Section Part_2: Teachers can create any assessment(Assignment, Quiz, Mid, Final). Teachers can also decide how many assessments to count for each type and what percentage they will hold. On clicking publish marks the backend will calculate the marks and update accordingly.

Create Assesments

| Assesments | Marks | Create |
|------------|--------------------------------|--------|
| Quiz | <input type="text" value="0"/> | Create |
| Assignment | <input type="text" value="0"/> | Create |
| Midterm | <input type="text" value="0"/> | Create |
| Final | <input type="text" value="0"/> | Create |

Overall

| Assesments | Total | Count | Percentage |
|------------|-------|--------------------------------|--------------------------------|
| Assignment | 0 | <input type="text" value="0"/> | <input type="text" value="0"/> |
| Final | 0 | <input type="text" value="0"/> | <input type="text" value="0"/> |
| Midterm | 0 | <input type="text" value="0"/> | <input type="text" value="0"/> |
| Quiz | 0 | <input type="text" value="0"/> | <input type="text" value="0"/> |

Publish Marks

Section Part_3: Teacher can see the updated full marks of every student in that section:

Show All Marks

| Student ID | Marks |
|------------|-------|
| 1000 | 80 |
| 1001 | 82.5 |
| 1234 | 0 |

Logout

Student Tutor:

- Log in



Email

Enter Email

Password

Enter Password

Login

☒ Remember me

Cancel

Forgot [password?](#)

- STs can only update the assigned assessments

Show Assignments

| Section_no | Type | Marks | Open |
|------------|------|-------|------|
|------------|------|-------|------|

Student ID

Marks

Update Marks

Logout

| Show Assignments | | | |
|------------------|------------|-------|------|
| Section_no | Type | Marks | Open |
| 1 | Quiz | 10 | Open |
| 1 | Assignment | 10 | Open |
| 1 | Quiz | 10 | Open |

| Student ID | Marks |
|--------------|--------------------------------|
| 1000 | <input type="text" value="8"/> |
| 1001 | <input type="text" value="6"/> |
| Update Marks | |

Logout

Admin:

- Add Teacher

| Add Teacher | | |
|------------------------------------|------------------------------------|---------------------------------------|
| Name | Email | Password |
| <input type="text" value="name"/> | <input type="text" value="email"/> | <input type="text" value="password"/> |
| <input type="button" value="Add"/> | | |

- Add ST

| Add ST | | | | | | |
|------------------------------------|------------------------------------|---------------------------------------|----------------------------------|------------------------------------|--|--------------------------------------|
| Name | Email | Password | Sid | st_no | course_id | section |
| <input type="text" value="name"/> | <input type="text" value="email"/> | <input type="text" value="password"/> | <input type="text" value="sid"/> | <input type="text" value="st_no"/> | <input type="text" value="course_id"/> | <input type="text" value="section"/> |
| <input type="button" value="Add"/> | | | | | | |

- Add Course and Section Info

| Add Course | | | | |
|--|--|---------------------------------------|-----------------------------------|--------------------------------------|
| course_id | course_code | semester | year | section |
| <input type="text" value="course_id"/> | <input type="text" value="course_code"/> | <input type="text" value="semester"/> | <input type="text" value="year"/> | <input type="text" value="section"/> |
| <input type="button" value="Add"/> | | | | |


| Add Section Info | | | | | | | |
|---------------------------------------|----------------------------------|--|-----------------------------------|---------------------------------|----------------------------------|-------------------------------------|--|
| Course Id | Teacher Id | Section No | type | st_id | days | time | Course Code |
| <input type="text" value="course_i"/> | <input type="text" value="tid"/> | <input type="text" value="section_n"/> | <input type="text" value="type"/> | <input type="text" value="st"/> | <input type="text" value="day"/> | <input type="text" value="sector"/> | <input type="text" value="Course_co"/> |
| <input type="button" value="Add"/> | | | | | | | |

- Add Student to a Course and Section

| Add Student Course | | |
|---|---|--|
| Student Id | Course Id | Section |
| <input type="text" value="student_id"/> | <input type="text" value="student_course"/> | <input type="text" value="student_section"/> |
| <input type="button" value="Add"/> | | |

Online Resources used:

a) Reference:

- W3schools.com frontend: [How To Create a Login Form \(w3schools.com\)](https://www.w3schools.com/html/default.asp)
- Youtube videos:  [Login Validation using | Angular | Java | Spring Boot | Rest...](#)

b) Used Stackoverflow a lot, for different queries.

Future Enhancements:

Following enhancement can be added to the current system which will improve the system.

- a) Understanding of system
- b) Importing data from excel sheet
- c) Improving Frontend
- d) Teacher able to add any type of assessment(Now only 4 are available : assignment, quiz,mid,final)
- e) Improve database.