**Department of Computer Science**

Mid Term Project Proposal, Spring 19-20

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| Course Title | ADVANCED PROGRAMMING IN WEB TECHNOLOGY | Section | A |

**Group Members:**

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| --- | --- | --- |
| Student ID | Name | Signature |
| 17-33831-1 | Bhuyan,Al-Noor Fahim |  |
| 16-32549-2 | OMAR KAWSER |  |
| 16-31399-1 | A. M. Rakibul Hossain |  |

**Project Title:**

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| **School Website & Portal System** |

**Short Description:**

Project name: Online School Management System

Group members:

1. A. M. Rakibul Hossain  - 16-31399-1
2. Omar kawser                - 16-32549-2
3. Bhuyan,Al-Noor Fahim - 17-33831-1

User Type:

1. Student (regular/premium)
2. Teacher
3. Admin

Module:

1. Teacher\_courses:
2. Add courses into the ‘courses’ table. (A)
3. Edit assigned course curriculum from the ‘courses’ table. (A)
4. Edit assigned course schedule from the ‘courses’ table. (A)
5. Get assigned course data as reports from the ‘courses’ table. (A)
6. Add a teacher into the ‘courses’ table. (A)
7. Delete/replace a teacher from the ‘courses’ table. (A)
8. Request to book a ‘course’ and get assigned into the ‘course\_students’ table. (S)
9. Approve a student from the ‘course\_students’ table. (A)
10. Add students into the ‘course\_students’ table. (A)
11. See assigned students from the ‘course\_students’ table.
12. See total marks from the ‘course\_students’ table.
13. Assign grades into the ‘course\_students’ table.
14. Update grade from the ‘course\_students’ table.
15. Delete a student from the ‘course\_students’ table. (A)
16. See notifications from the ‘course\_notifications’ table.
17. See notices from the ‘course\_notices’ table.
18. See notes from the ‘course\_notes’ table.
19. See assignments from the ‘course\_assignments’ table.
20. Post notices into the ‘course\_notices’ table.
21. Upload notes into the ‘course\_notes’ table.
22. Add assignments into the ‘course\_assignments’ table.
23. Delete notices from the ‘course\_notices’ table.
24. Delete notes from the ‘course\_notes’ table.
25. Delete assignments from the ‘course\_assignments’ table.
26. Update notices from the ‘course\_notices’ table.
27. Assign marks into the ‘course\_assignments’ table.
28. Update marks from the ‘course\_assignments’ table.
29. Submit assignments into the ‘course\_assignment\_students’ table.
30. Give marks to the students using the ‘course\_assignment\_students’ table.
31. Add a live class link into the ‘courses’ table. (A)
32. Update a live class link from the ‘courses’ table. (A)

2. Authentication:

1. Sign up into the ‘users’ table.
2. Login into the ‘users’ table.

3. Teacher\_profile:

1. See the profile from ‘users’ table.
2. See current location of the user using ‘Google Maps Api’.
3. Update the profile information from the ‘users’ table.
4. See assigned courses from the ‘courses\_student’ table.
5. See assigned instructing courses from the ‘courses’ table.

4. Admin:

1. Post notices to teachers into the ‘admin\_notice’ table.
2. Approve a student from the ‘course\_students’ table. (A)
3. Add students into the ‘user’ table
4. Add teachers into the ‘user’ table.
5. Add semester information into the ‘semester’ table.
6. Add Faculties section into the ‘courses’ table.
7. Add books into the ‘books’ table.

5. Admin\_courses:

1. Add courses into the ‘courses’ table. (A)
2. Add scheduling into the ‘ courses’ table.
3. Edit assigned course curriculum from the ‘courses’ table. (A)
4. Edit assigned course schedule from the ‘courses’ table. (A)

6. Student:

1. Search for a teacher using ‘student\_courses’ table
2. Check notices using ‘course\_notices’ table
3. Check notes using ‘course\_notes’ table

7. Student\_profile:

1. See the profile from ‘users’ table
2. See current location of the user using ‘Google Maps Api’
3. See registered courses from the ‘courses\_student’ table

8. Student\_courses:

1. Search for a course using ‘courses’ table
2. Register for a course using ‘student\_courses’ table
3. Check grades of courses using ‘student\_courses’ table
4. Drop a current course from ‘student\_courses’ table

9. Student\_books:

1. Search for a book using ‘books’ table
2. Get download link of an available ebook using ‘books’ table

Access Control:

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| User Role | Module | Feature |
| Teacher | teacher\_courses | Add courses into the ‘courses’ table. |
|  |  | Edit assigned course curriculum from the ‘courses’ table. |
|  |  | Edit assigned course schedule from the ‘courses’ table. |
|  |  | Get assigned course data as reports from the ‘courses’ table. |
|  |  | See assigned students from the ‘course\_students’ table. |
|  |  | See total marks from the ‘course\_students’ table. |
|  |  | Assign grades into the ‘course\_students’ table. |
|  |  | Update grade from the ‘course\_students’ table. |
|  |  | See notifications from the ‘course\_notifications’ table. |
|  |  | See notices from the ‘course\_notices’ table. |
|  |  | See notes from the ‘course\_notes’ table. |
|  |  | See assignments from the ‘course\_assignments’ table. |
|  |  | Post notices into the ‘course\_notices’ table. |
|  |  | Upload notes into the ‘course\_notes’ table. |
|  |  | Add assignments into the ‘course\_assignments’ table. |
|  |  | Delete notices from the ‘course\_notices’ table. |
|  |  | Delete notes from the ‘course\_notes’ table. |
|  |  | Delete assignments from the ‘course\_assignments’ table. |
|  |  | Update notices from the ‘course\_notices’ table. |
|  |  | Assign marks into the ‘course\_assignments’ table. |

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| User Role | Module | Feature |
|  |  | Give marks to the students using the ‘course\_assignment\_students’ table. |
|  |  | Update marks from the ‘course\_assignments’ table. |
|  |  | Add a live class link into the ‘courses’ table. |
|  |  | Update a live class link from the ‘courses’ table. |
|  |  |  |
| Teacher | Authentication | Sign up into the ‘users’ table. |
|  |  | Login into the ‘users’ table. |
|  |  |  |
| Teacher | Profile | See the profile from ‘users’ table. |
|  |  | See current location of the user using ‘Google Maps Api’. |
|  |  | Update the profile information from the ‘users’ table. |
|  |  | See assigned instructing courses from the ‘courses’ table. |
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|  |  |  |
| Admin | admin | Add students  into the ‘user’ table. |
|  |  | Add teachers  into the ‘user’ table. |
|  |  | Add scheduling into the ‘ courses’ table. |
|  |  | Add Faculties section into the ‘courses’ table. |
|  |  | . |
|  |  | Add semester information into the ‘semester’ table. |
|  |  | Add staff  into the ‘staff’ table. |
|  |  | Send notice teacher into the ‘notices’ table |
|  |  |  |
| admin | Authentication | Sign up into the ‘users’ table. |
|  |  | Login into the ‘users’ table. |
|  |  | Add department into the ‘departments’ table |
|  |  |  |
| Student | Student | Search for a teacher using ‘student\_courses’ table |
|  |  | Check notices using ‘course\_notices’ table |
|  |  | Check notes using ‘course\_notes’ table |
|  |  |  |
| Student | Student\_profile | See the profile from ‘users’ table |
|  |  | See current location of the user using ‘Google Maps Api’ |
|  |  | See registered courses from the ‘student\_courses’ table |
|  |  |  |
| Student | Student\_courses | Search for a course using ‘courses’ table |
|  |  | Register for a course using ‘student\_courses’ table |
|  |  | Check grades of courses using ‘student\_courses’ table |
|  |  | Drop a current course from ‘student\_courses’ table |
|  |  |  |
| Student | Student\_books | Search for a book using ‘books’ table |
|  |  | Get download link of an available ebook using ‘books’ table |
|  |  |  |
| Student | Authentication | Sign up into the ‘users’ table. |
|  |  | Login using the ‘users’ table. |