



# Testing Plan Report

2023 Autumn

Group 12

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# Validation Test

## UI on different device

|                 |  |
|-----------------|--|
| Description     | The RWD (Responsive Web Design) functionality enables the webpage adaptively displays interfaces that maintain proper proportions across various screen resolutions. Also, user can be easy to use system. |
| Test method     | 1. Open development tools inside browser<br>2. Open Device Mode<br>3. Choose Device to simulate device<br>4. Follow constrict below  |
| Expected Result | Each item of checklist can be reach  |

Test scenario will use following constrict:

| Input Data   |
|--|
| N/A  |
| Preset   |
| - Login Student Panel using Student ID s0000001<br>- Student ID s0000001 is exist  |
| Test Setup   |
| 1. Login Student Panel using Student ID s0000001<br>2. Go to Academic Statistic page<br>3. Click each item of checklist  |
| Checklist  |
| 1. Check the screen that has CGPA, and GPA in each Year<br>2. Chart has all student score<br>3. If click Button “Course Name”, accordion can trigger collapse behavior<br>4. Click Study Year, can filter student score in chart |

## Create new Admin Account

|                 |  |
|-----------------|--|
| Description     | Verify that the system can create new admin accounts through the system using administrator privileges.                              |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel</li><li>2. Finish add admin form</li><li>3. Click “Save” button</li></ol> |
| Expected Result | New Admin Account was created.   |

## check student ID unique using API

|                 |  |
|-----------------|--|
| Description     | This API is used to student account form in admin panel. To check student ID is no any account use for prevent student ID duplicate use.   |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel</li><li>2. Use browser access url<br/>/web/admin/api/checkStudIdUnique.php<br/>using parameter student_id and record_id</li></ol> |
| Expected Result | <ul style="list-style-type: none"><li>- If student ID Expected no used, output String "true"</li><li>- If student ID Expected is used, output String "Student ID is exist."</li></ul>        |

## Restricted access protected page

|                 |  |
|-----------------|--|
| Description     | To prevent user access system function and view data without suitable access right |
| Test method     | 1. Access protected page via URL without login                                     |
| Expected Result | Redirect to login page   |

## Calculate Student course grade correctly

|                 |  |
|-----------------|--|
| Description     | Check grade is calculate correctly   |
| Test method     | 1. Login Teacher Panel<br>2. Go to any one course score list page<br>3. Click “edit” button on record<br>4. Change score<br>5. Click “Save” button |
| Expected Result | Grade Calculate currently  |

### Grade

|        |            |
|--------|------------|
| 100    | A          |
| > 92.5 | A-         |
| > 82.5 | B+         |
| > 75   | B          |
| > 67.5 | B-         |
| > 57.5 | C+         |
| > 50   | C          |
| > 45   | Fail-Resit |
| >= 0   | Fail       |

# Defect Testing

## Upload the CSV

|                 |   |
|-----------------|---|
| Description     | The system is able to prevent update student course using in incorrect CSV file, or update not valid student score.   |
| Test method     | <ol style="list-style-type: none"><li>1. Login Teacher panel.</li><li>2. Go to “Upload CSV” page.</li><li>3. Upload the CSV file.</li><li>4. Click the “Save” button.</li></ol> |
| Expected Result | Redirect to student course page, show error message on the top.<br>No any record effect.  |



## Confirm Email Format Rule

|                 |   |
|-----------------|---|
| Description     | Verification of Email Format in email Field. To ensure the entry of the correct email format.   |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel.</li><li>2. Go to user list by click the “Student” button in sidebar.</li><li>3. Click the “Edit” button.</li><li>4. Input the email address into the email field.</li></ol> |
| Expected Result | Field border display red color and show error message below   |

## Confirm phone Format Rule

|                 |   |
|-----------------|---|
| Description     | Verification of phone Format in phone Field. To ensure the entry of the correct phone format.   |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel.</li><li>2. Go to user list by click the “Teacher” button in sidebar.</li><li>3. Click the “Add” button.</li><li>4. Input the Phone number into the phone field.</li></ol> |
| Expected Result | Field border display red color and show error message below   |

Phone Format : +852 0000 0000

## Date Period start date must less then end date

|                 |   |
|-----------------|---|
| Description     | Verification of Start date and End date. To ensure start date less then end date.   |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel.</li><li>2. Go to user list by click the “Timetable” button in sidebar.</li><li>3. Click the “Add” button.</li><li>4. Input the Start date and End date.</li></ol> |
| Expected Result | Field border display red color and show error message below   |

## Delete user even account has been login and using.

|                 |  |
|-----------------|--|
| Description     | Check system prevent deleted account use system even account had been login  |
| Test method     | <ol style="list-style-type: none"><li>1. Login Admin panel.</li><li>2. Go to user list by click the “Admin”/“Teacher”/“Student” button in sidebar.</li><li>3. Use other browser login target user.</li><li>4. Click the “Delete” button at user record.</li><li>5. Click “Yes” to conform delete.</li><li>6. Refresh browser of target user login session.</li></ol> |
| Expected Result | Browser of target user login session will redirect to login page   |