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IT 3202 - Software Quality Assurance

Final Project
CRUD Web Application Utilizing JSON Web Token
Link and Screenshots of the Deployed Web Application

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DEPLOYED WEB APP: <https://nichole.alburo.ph/>

REGISTER PAGE

The screenshot shows the EduTech registration form on the left and the Chrome DevTools Network tab on the right. The Network tab displays the following request details:

Name	Status	Type	Initiator	Size	Time
register	200	document	Other	783 B	209 ms
main.985d2c01.js	200	script	register.0	(memory cache)	0 ms
plugin.js	200	script	load.js:1	3.0 MB	40 ms
watermark-ai.png	200	fetch	elusive.js:2	4.5 kB	4 ms
watermark-ai.png	200	png	Other	4.5 kB	5 ms
favicon.ico	200	x-icon	Other	(disk cache)	0 ms
manifest.json	200	manifest	Other	759 B	280 ms
e-data-application.js	200	script	Other	0 B	0 ms
login192.png	200	png	Other	(disk cache)	1 ms

At the bottom of the Network tab, it shows: 9 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 727 ms, DOMContentLoaded: 249 ms, Load: 433 ms.

Placed email is already registered

The screenshot shows the EduTech registration form on the left with an error message "A user with the same email already exists." and the Chrome DevTools Network tab on the right. The Network tab displays the following request details:

Name	Status	Type	Initiator	Size	Time
register	200	document	Other	783 B	209 ms
main.985d2c01.js	200	script	register.0	(memory cache)	0 ms
plugin.js	200	script	load.js:1	3.0 MB	40 ms
watermark-ai.png	200	fetch	elusive.js:2	4.5 kB	4 ms
watermark-ai.png	200	png	Other	4.5 kB	5 ms
favicon.ico	200	x-icon	Other	(disk cache)	0 ms
manifest.json	200	manifest	Other	759 B	280 ms
e-data-application.js	200	script	Other	0 B	0 ms
login192.png	200	png	Other	(disk cache)	1 ms
users	409	xy	RegisterForm.js:30	554 B	101 ms

At the bottom of the Network tab, it shows: 10 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 1.2 min, DOMContentLoaded: 249 ms, Load: 433 ms.

Successfully registered

The screenshot shows the EduTech registration page with a success message: "User registered successfully!" followed by an email input field containing "taken@gmail". Below it is a password input field with four dots. A blue "Register" button is centered. To the right, the Chrome DevTools Network tab is open, displaying a list of resources loaded during the registration process. The table includes columns for Name, Status, Type, Initiator, Size, and Time. Key entries include "register" (status 200, type document, initiator "Other", size 783 B, time 208 ms), "main.88d4c2d1.js" (status 200, type script, initiator "(memory cache)", size 3.3 MB, time 0 ms), and "plugin.js" (status 200, type script, initiator "load.js:1", size 4.5 kB, time 4 ms). Other resources listed include "watermark-ai.png", "favicon.ico", "manifest.json", "data-application/a...", "img192.png", "users", and "registerForm.js:30". The total load time is 433 ms.

LOGIN PAGE

The screenshot shows the EduTech login page. It features a header with "EduTech", "Technology for Education", and a brief description about streamlining teacher workflow. Below is a form with "Email address" and "Password" inputs, and a blue "Login" button. A link to "Register Here" is at the bottom. To the right, the Chrome DevTools Network tab is open, showing a list of resources loaded. The table includes columns for Name, Status, Type, Initiator, Size, and Time. Key entries include "nichole.alburu.ph" (status 200, type document, initiator "Other", size 788 B, time 90 ms), "main.88d4c2d1.js" (status 200, type script, initiator "(index:0)", size 3.0 MB, time 0 ms), and "plugin.js" (status 200, type script, initiator "load.js:1", size 4.5 kB, time 44 ms). Other resources listed include "watermark-ai.png", "favicon.ico", "manifest.json", "data-application/a...", and "img192.png". The total load time is 307 ms.

User is not found/registered

The screenshot shows a browser window with the title "React App". The main content area displays a login form for "EduTech". The form has fields for "User not found" (containing "email@gmail") and "Password" (containing "....."). Below the password field is a "Login" button. A message at the bottom of the form says "Haven't registered yet? [Register Here.](#)". To the left of the form, there is a descriptive text block: "With EduTech, teachers can streamline their workflow, saving time and effort in administrative tasks. Whether it's organizing class schedules, communicating with students, or sharing resources, EduTech empowers teachers to focus on what they do best - educating and inspiring their students." The right side of the screenshot shows the "Network" tab in the Chrome DevTools. It lists network requests with the following details:

Name	Status	Type	Initiator	Size	Time
nicole.alburo.ph	200	document	Other	768 B	90 ms
main.88d2cd01.js	200	script	(index):0	(memory cache)	0 ms
plugin.js	200	script	load.js:1	3.0 MB	44 ms
watermark-ai.png	200	fetch	login.js:2	4.5 kB	4 ms
watermark-ai.png	200	png	Other	4.5 kB	5 ms
....	200	xhr	Other	(disk cache)	3 ms
manifest.json	200	manifest	Other	752 B	283 ms
@ data:application/...	200	script	Other	0 B	0 ms
logo192.png	200	png	Other	(disk cache)	1 ms
login	404	xhr	LoginForm.js:21	529 B	276 ms

At the bottom of the DevTools interface, there are status messages: "10 requests | 3.0 MB transferred | 3.3 MB resources | Finish: 55.79 s | DOMContentLoaded: 128 ms | Load: 307 ms", "Console What's new X", and "Highlights from the Chrome 125 update".

Placed password is incorrect

The screenshot shows the EduTech login page on the left and the Chrome DevTools Network tab on the right.

EduTech Login Page:

- Form Fields:** Email input (ace@gmail|) and Password input (.....).
- Buttons:** Login button and Register Here link.
- Description:** Text about how EduTech streamlines teacher workflow.

Chrome DevTools Network Tab:

- Network Requests:**

Name	Status	Type	Initiator	Size	Time
nichole.alburo.ph	200	document	Other	788 B	90 ms
main.985d2c01.js	200	script	(index):0	(memory cache)	0 ms
plugin.js	200	script	load.js:1	3.0 MB	44 ms
- watermark-ai.png	200	fetch	plugin.js:2	4.5 kB	4 ms
- watermark-ai.png	200	png	Other	4.5 kB	5 ms
- favicon.ico	200	x-icon	Other	(disk cache)	3 ms
- manifest.json	200	manifest	Other	789 B	283 ms
@ data-application/a...	200	script	Other	0 B	0 ms
- logo192.png	200	png	Other	(disk cache)	1 ms
login	404	xhr	LoginForm(is:2)	529 B	276 ms
login	401	xhr	LoginForm(is:2)	525 B	298 ms
- Performance Metrics:** 11 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 1.8 min, DOMContentLoaded: 128 ms, Load: 307 ms.

CLASS PAGE

The screenshot shows the Class Page creation form on the left and the Chrome DevTools Network tab on the right.

Class Page Form:

- Fields:** Class Name, Description, Group Number, Start Year, End Year, and Add Class button.

Chrome DevTools Network Tab:

- Network Requests:**

Name	Status	Type	Initiator	Size	Time
class	200	document	Other	200 B	84 ms
main.985d2c01.js	200	script	class:2	(memory cache)	0 ms
plugin.js	200	script	load.js:1	3.0 MB	35 ms
- class	200	xhr	AddClassForm.is:19	460 B	79 ms
- watermark-ai.png	200	fetch	plugin.js:2	4.5 kB	4 ms
- watermark-ai.png	200	png	Other	4.5 kB	4 ms
- favicon.ico	200	x-icon	Other	(disk cache)	2 ms
- manifest.json	200	manifest	Other	726 B	93 ms
@ data-application/a...	200	script	Other	0 B	0 ms
- logo192.png	200	png	Other	(disk cache)	0 ms
- Performance Metrics:** 10 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 393 ms, DOMContentLoaded: 101 ms, Load: 293 ms.

Field is empty

A screenshot of a web browser window. The address bar shows the URL `nichole.alburu.ph/class`. The main content area displays a form for adding a class, with fields for 'Class Name', 'Description', 'Group Number', 'Start Year', and 'End Year'. A red error message 'All fields are required' is visible above the form. To the right of the form is the Chrome DevTools interface, specifically the Network tab. It shows a list of requests made by the page, including scripts like `class.js`, `manifest.json`, and `logo192.png`, along with their status, type, initiator, size, and time taken. The total load time is 293 ms.

Class added successfully

A screenshot of a web browser window, identical to the previous one but showing a success message 'Class added successfully' above the form. The rest of the interface, including the form fields, developer tools, and network activity, remains the same.

Duplicate details

The screenshot shows a web application interface and the Chrome DevTools Network tab.

Web Application:

- URL: nichole.alburo.ph/class
- Form Fields:
 - Class Name: IT 1101
 - Subject: Programming
 - Capacity: 2
 - Year: 2022
 - Year: 2023
- Action: Add Class
- Message: A class with the same name and group already exists.
- Footer: IT 1101, Programming, 2, 2022 - 2023

DevTools Network Tab:

- Selected Filter: All
- Request List:

Name	Status	Type	Initiator	Size	Time
class	200	document	Other	751 B	96 ms
blob:e86def2e011a	200	script	class.js	(memory)	0 ms
blob:39	200	script	blob:39	3.0 MB	36 ms
class	304	xhr	AddClassForm.js:19	428 B	213 ms
- watermark-ai.png	200	fetch	blob:39:2	4.5 kB	4 ms
- watermark-ai.png	200	png	Other	4.5 kB	4 ms
favicon.ico	200	x-icon	Other	(disk cache)	3 ms
manifest.json	200	manifest	Other	765 B	236 ms
data:application/ja...	200	script	Other	0 B	0 ms
logo92.png	200	png	Other	(disk cache)	1 ms
class	409	xhr	AddClassForm.js:38	532 B	103 ms
- Metrics at the bottom: 11 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 12.25 s, DOMContentLoaded: 123 ms, Load: 304 ms
- Console tab: Error causes in the Console, The Console now shows you chains of error causes in the stack trace.
- Performance tab: CSS selector statistics in Performance, The Performance panel can now show you CSS selector statistics for long-running Recalculate.

DASHBOARD PAGE

The screenshot shows the EduTech dashboard. On the left, a sidebar menu includes: Dashboard, Student List, Task Management, Class Management, Class List, and Logout. The main content area features a large "IT 1101 Programming" title and a red timestamp "11:03:39 AM". Below this are two cards: "Number of Students" (0) and "Number of Tasks" (0), each with a "View Students" or "View Tasks" link. To the right is a Network tab in the Chrome DevTools showing a timeline of requests. The timeline highlights several requests, including "DashboardHome.js:21" (status 200, type document, initiator "DashboardHome.js:21", size 799 B, time 281 ms). Other requests listed include "main.985d2c01.js", "plugin.js", "7", "studentCount", "taskCount", "watermark-ai.png", "manifest.json", "data-application.js...", and "logo192.png". The bottom status bar of the DevTools indicates 12 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 843 ms, DOMContentLoaded: 304 ms, and Load: 495 ms.

STUDENT PAGE

The screenshot shows the EduTech student page. The sidebar menu is identical to the dashboard. The main content area has an "Add New Student" form with fields for Name and Email, and a blue "Add Student" button. Below it is a "Student List" section with a search bar and a dropdown menu set to "ALL". A table lists students with columns: ID, Name, Email, and Status. The table shows one row: "7" with Name "John Doe", Email "john.doe@example.com", and Status "Active". To the right is a Network tab in the Chrome DevTools showing a timeline of requests. The timeline highlights several requests, including "DashboardHome.js:21" (status 200, type document, initiator "DashboardHome.js:21", size 799 B, time 281 ms). Other requests listed are the same as in the dashboard screenshot. The bottom status bar of the DevTools indicates 14 requests, 3.0 MB transferred, 3.3 MB resources, Finish: 33.82 s, DOMContentLoaded: 304 ms, and Load: 495 ms.

Empty fields

The screenshot shows a web application interface for 'EduTech'. On the left, a sidebar menu includes 'Dashboard', 'Student List', 'Task Management', 'Class Management', 'Class List', and 'Logout'. The main content area has two sections: 'Add New Student' and 'Student List'. In the 'Add New Student' section, there are input fields for 'Name' and 'Email', both of which are currently empty. A red error message below the fields states 'Name and email cannot be empty.' Below this is a 'Add Student' button. The 'Student List' section contains a table with columns 'ID', 'Name', 'Email', and 'Status'. One row is visible, showing ID 2, Name Nichole, Email alburonichole2@gmail.com, and Status active. To the right of the main content, the Chrome developer tools Network tab is open, displaying a list of resources loaded by the page. The table data from the Network tab is as follows:

Name	Status	Type	Initiator	Size	Time
students	200	document	[Memory]	751 B	97 ms
main-365d2c0f.js	200	script	students:0	0 B	0 ms
polyfill.js	200	script	loadIncr1	3.0 MB	23 ms
7	304	xhr	Dashboard.js:27	431 B	223 ms
students	304	xhr	StudentList.js:21	428 B	206 ms
watermark-ai.png	200	fetch	elgon.js:2	4.5 kB	5 ms
watermark-ai.png	200	png	Other	4.5 kB	4 ms
favicon.ico	200	x-icon	Other	(disk cache)	3 ms
manifest.json	200	manifest	Other	764 B	127 ms
e-data-application.js...	200	script	Other	0 B	0 ms
logo192.png	200	png	Other	(disk cache)	0 ms

Student added successfully

EduTech

Add New Student

Student added successfully

Name Email Add Student

Student List

Search by name or email ALL

ID	Name	Email	Status
2	Nichole	alburonichole2@gmail.com	active
3	Mark	markgelmagdadaro@gmail.com	active

Network tab in browser developer tools showing requests for the page, including files like main.985d2c01.js and plugin.js.

Switching of student's status

EduTech

Add New Student

Name Email Add Student

Student List

Search by name or email ALL

ID	Name	Email	Status
2	Nichole	alburonichole2@gmail.com	inactive
3	Mark	markgelmagdadaro@gmail.com	active

Network tab in browser developer tools showing updated requests for the page, including files like main.985d2c01.js and plugin.js.

TASK PAGE

The screenshot shows the EduTech application's task management interface. On the left, a sidebar menu includes options like Dashboard, Student List, Task Management, Class Management, Class List, and Logout. The main area has two sections: 'Add New Task' and 'Task List'. The 'Add New Task' section contains fields for Title, Description, and Due Date, with an 'Add Task' button. The 'Task List' section includes a search bar, a dropdown filter set to 'ALL', and a table with columns for Due Date, Title, Description, and Status. Below the table is a 'Task List' header. The browser's developer tools Network tab is open, showing a list of requests and responses. The requests include files like 'students', 'main.885d2c01.js', 'plugin.js', and 'tasks'. The developer tools also show the console, performance metrics, and error logs.

Empty Fields

This screenshot is similar to the previous one but shows validation errors for empty fields. In the 'Add New Task' section, a red error message 'Fields cannot be empty.' appears above the title field. The rest of the interface and developer tools are identical to the first screenshot.

Task added successfully

The screenshot shows a browser window with the URL nichole.alburu.ph/dashboard/7/tasks. The main content is the "Add New Task" form, which has just been submitted, indicated by the message "Task added successfully". The form fields include "Title" (empty), "Description" (empty), and "Due Date" (mm/dd/yyyy). A blue "Add Task" button is visible. To the right of the form is a Network tab in the developer tools showing a list of requests. One request, "students", is highlighted. The status column shows "200" for all requests. The initiator column shows "Other" for most requests, except for "load.js:1" which is "Dashboard". The size column shows file sizes like 751 B, 3.0 MB, and 4.5 kB. The time column shows execution times like 97 ms, 23 ms, and 5 ms. At the bottom of the developer tools, there is a "Console" tab with error causes and selector statistics.

Switching of task's status

The screenshot shows the same browser window after switching the task status. The "Status" column for the single task in the table now shows "completed" instead of "pending". The developer tools Network tab shows the same list of requests as before, with the "students" request still highlighted. The status, initiator, size, and time details remain the same. The developer tools console tab at the bottom is also visible.

CLASS DETAILS PAGE

The screenshot shows the 'Edit Class Details' page of the EduTech application. The page has a sidebar with links like Dashboard, Student List, Task Management, Class Management, Class List, and Logout. The main content area has fields for Class Name (IT 1101), Class Description (Programming), and Class Year (2022). Below these fields are two buttons: 'Update Class' (blue) and 'Delete Class' (red). To the right of the form is a browser developer tools Network tab showing network requests for the page resources. The status bar at the bottom indicates 15 requests, 3.0 MB transferred, 3.3 MB resources, and a finish time of 1.76 s.

Class details updated

The screenshot shows the 'Edit Class Details' page of the EduTech application after a successful update. A green success message 'Class updated successfully' is displayed above the form. The rest of the page and developer tools are identical to the previous screenshot.