# BINAR FSW WAVE 32

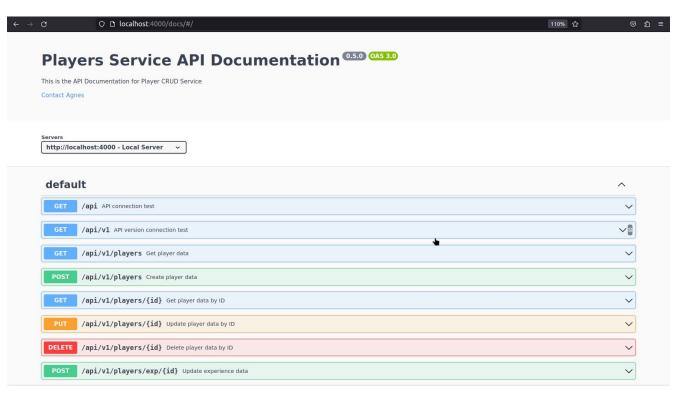
CHALLENGE 8 - AGNES SEPTILIA
API DOCUMENTATION & REACT CLIENT

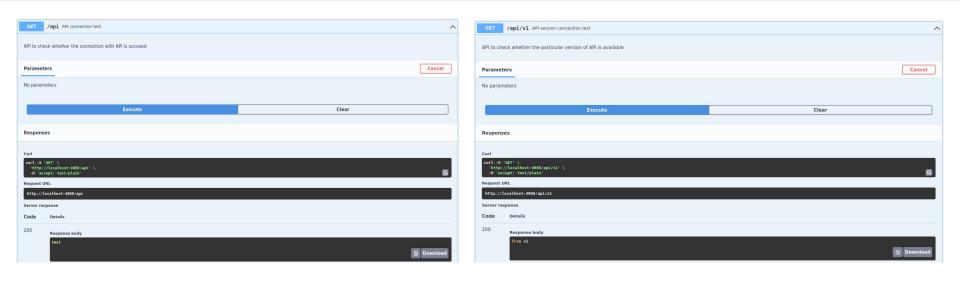


## **PREPARATION**

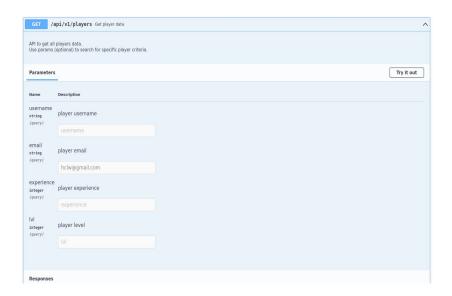
- API Documentation use Swagger in server side.
- SQL Script is available in the /sql/init.sql, Swagger script is available in /routes/swagger-config.yaml. Both can be found inside /server folder
- Swagger runs in url http://localhost:4000/docs/

## Complete API List





The first two API is to test the connection to endpoint /api and /api/v1. Both using GET method.



API to get player data Endpoint: /api/v1/players Method: GET Parameters are optional.

```
Responses

Curl

curl (** GET \
    "http://lechbott5898/pgi/s//players?email-hclw48gmail.com' \
    "http://lechbott5898/pgi/s//players?email-hclw48gmail.com' \
    "http://lechbott5898/pgi/s//players?email-hclw48gmail.com

Response total

Attp://lechbott6988/pgi/s/players?email-hclw48gmail.com

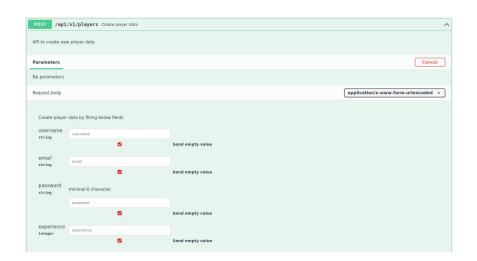
Server response

Code Details

Code Details

On Response body

    "response" | "server response | "server respons
```



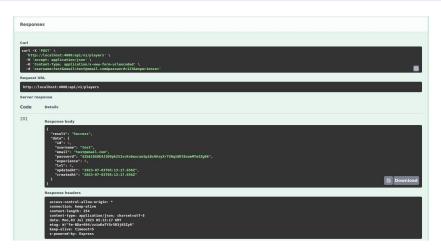
API to create new player data

Endpoint: /api/v1/players

Method: POST

Username, email, and password (min. 6

character) are required.







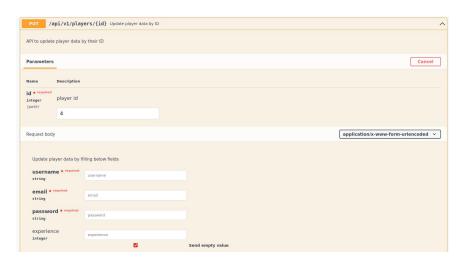
API to get player data by id Endpoint: /api/v1/players/:id Method: GET ID is required.

```
Responses

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API to update player data by id

Endpoint: /api/v1/players/:id

Method: PUT

ID, username, email, and password (min. 6

character) are required.

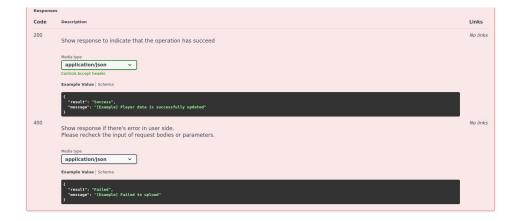


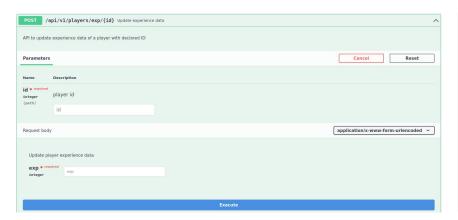




API to delete player data by id Endpoint: /api/v1/players/:id Method: DELETE ID is required.







Responses

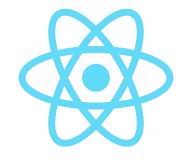
API to update experience of player by id Endpoint: /api/v1/players/exp/:id Method: POST

ID and (new)Experience are required.



# TASK CHECKLIST

ACTION	CHECKLIST
Clone project from github →work on server folder	Done
Initialize server connection using Sequelize	Done
Create documentation including: HTTP Method, URL, URL Parameter, Query Parameter, Request Body, format response	Done
Put all documentation in one routing	Done



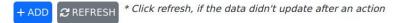
## **PREPARATION**

- Project initialization using boilerplate: \$ npx create-react-app client
- For CRUD process, we will use dummy data, stored in /lib/dummyData.json.
- React client runs in url http://localhost:3000/

Dashboard UI

## PLAYER DATABASE

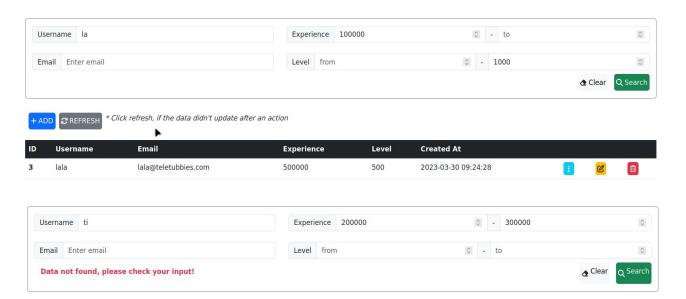




ID	Username	Email	Experience	Level	Created At			
1	tinkywinky	tinkywinky@teletubbies.com	100000	100	2023-03-29 09:10:28	i	C	
2	dipsy	dipsy@teletubbies.com	200000	200	2023-01-16 15:04:01	i	C	
3	lala	lala@teletubbies.com	500000	500	2023-03-30 09:24:28	i	6	

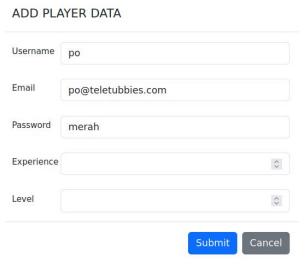
#### **SEARCH**

- Without any input, clicking Search button will show all data
- String input can accommodate substring search. Numeric range can accept only one input (*from* only or *to* only)
- If the parameter return no result, it will show an alert text
- Clear button is available to clear the input fields without changing the search result.



### **ADD**

- Add button will open a form modal to submit the data.
- For this Client side, there is no validation or password encryption action.
- If the data is not shown on main table after **Submit**, click **Refresh** button.



+ ADD	₽ R



\* Click refresh, if the data didn't update after an action

ID	Username	Email	Experience	Level	Created At			
1	tinkywinky	tinkywinky@teletubbies.com	100000	100	2023-03-29 09:10:28	i	<b>(4)</b>	
2	dipsy	dipsy@teletubbies.com	200000	200	2023-01-16 15:04:01	i	<b>(2)</b>	
3	lala	lala@teletubbies.com	500000	500	2023-03-30 09:24:28	i	<b>C</b>	
4	ро	po@teletubbies.com	0	0	2023-07-03 13:50:44	i	<b>C</b>	

## **INFO**

• **Info** button will show all data a player has.

#### PLAYER INFO

ID

3

Username

lala

**Email** 

lala@teletubbies.com

Password

yellow

Experience

500000

Level

500

Created at

2023-03-30 09:24:28

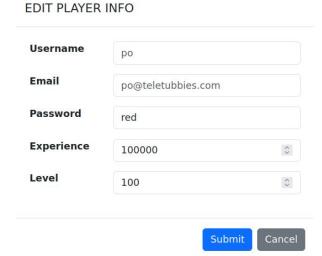
Updated at

2023-03-30 09:24:28

Close

## **EDIT**

• Edit button will show form to edit player data.



+ ADD REFRESH \* Click refresh, if the data didn't update after an action

ID	Username	Email	Experience	Level	Created At			
1	tinkywinky	tinkywinky@teletubbies.com	100000	100	2023-03-29 09:10:28	i		
2	dipsy	dipsy@teletubbies.com	200000	200	2023-01-16 15:04:01	i		
3	lala	lala@teletubbies.com	500000	500	2023-03-30 09:24:28	i		
4	ро	po@teletubbies.com	100000	100	2023-07-03 13:50:44	i	<b>C</b>	

### **DELETE**

Delete button will delete the selected player data

### DELETE PLAYER

Are you sure to delete this player?

Delete

Close



\* Click refresh, if the data didn't update after an action

ID	Username	Email	Experience	Level	Created At			
1	tinkywinky	tinkywinky@teletubbies.com	100000	100	2023-03-29 09:10:28	i	<b>C</b>	
2	dipsy	dipsy@teletubbies.com	200000	200	2023-01-16 15:04:01	i	<b>C</b>	
3	lala	lala@teletubbies.com	500000	500	2023-03-30 09:24:28	i	<b>C</b>	

# TASK CHECKLIST

ACTION	CHECKLIST
Initialize React Client	Done
Create UI for Add, Edit, and Search player data based on username, email, experience and level.	Done
Show the result of all CRUD process	Done