* Add attendence sheet api

page=teacher&action=add\_subjects`

Request- token,Subject\_Names<string[]>

Response-

sheet\_added<string|false[]>

Want-

Add a new sheet ‘sheet\_name’ and add sheet details in object in main DB subject and get sheet name if sheet successfully added else ‘false’

* Get attendance sheet data

page=teacher&action=get\_subject\_sheet\_data

Request- token, subject

Response-

sheet\_data< (string[] | number[])[]>

Want-

Get attendance sheet data

* Take attendance api

page=teacher&action=upload\_attendance

Request- token,Roll\_Numbers<String[]>,Subject<{subject:string,sheet\_name:string}>

Response-

‘attendance\_added’,Not\_Rolls<string[]>

Want-

get last filled coloum number from DB from subject object,then add a coloum on last then assign attendance align to their roll number on last filled coloum + 1

* Syncing subject names api

page=teacher&action=sync\_subjects\_data

Request- token, all\_subjects\_store\_ids

Response- ‘Add\_data’<[key: string]: string>,’Delete\_data’<string[]/ids>

Want- Send all subject data whose id are not inside request data array

* Syncing imgs api

page=teacher&action=sync\_students\_imgs

Request- token, all\_studnts\_imgs\_store\_ids<string[]>

Response- ‘Add\_data’<[key: string]: number[]>,’Delete\_data’<string[]/ids>

Want-

Send all student img which are not inside request data array

* login api done

Output-

page=${selectedRole}&action=login

email,password,username,selectedRole<admin|teacher|student>

Response-

(‘token’)-

’token’, received from response .email ,’sheet\_exist’ ,’user’=teacher/admin/student to session storage

For admin -’sheet\_status’ <valid|invalid>,’username’<string> in response received

For student - set\_Password<true|false>

Want-

Get admin sheet id from username key from my sheet and if sheet exist with access then send response admin sheet id ,if password is null then check prepassword if match then send ‘message’ to set passwrod

* Teacher set password api

Global input-

Session storage-Admin\_Sheet\_Id

Output-

page=${selectedRole}&action=set\_password

Newpassword,prepassword,Admin\_Sheet\_Id,email,selectedRole

Response-

(‘message’==”password\_set”)-set session email,’sheet\_exist’,user,token

Want-

Check if prepassswod equal then Set new passoword in password and set null to prepassword colum to selected Role in AdminSheet or my DB

* Sheet access check api

Global input-

Session storage-’sheet\_exist’

Output-

page=admin&action=checking\_admin\_sheet\_access\_valid

Admin\_Sheet\_Id

Response-

(‘sheet\_invalid’)

(‘Sheet\_valid’)-set session to “sheet\_exist” navigate to teacher

Want-

Check sheet valid and has access

* Common data from server
  + ‘sheet\_invalid’-when sheet invalid then this var in response
  + ‘error’-when server error then receive in response
  + ‘message’-on every response from server if some error
* Signup api done

Output-

?page=admin&action=signup

name,email,username{>5},password(>7) (size 50)

Response -

(‘account\_created’)-navigate to login

Want-

Create account of admin

* Forget password api

page=${admin|student|teacher}&action=forget\_password

Request- email,username

Response-

(‘Sended\_otp’)-set session ‘changePasswordToken’ receive from response

Want-send otp on email and set token and send token to user for change password

* Change password api

page=${selectedRole}&action=change\_password

Request- token,newPassword,email,username

Response-

(‘changed’)-navigate to login page

Want-check token if correct then change the password

* Admin sheet query status

page=admin|teacher|student&action=get\_sheet\_status

Request: token

Response: sheet\_status<Sheet\_Not\_Exist|Exist\_without\_Access|Exist\_with\_Access>

Want-get status of sheet wheter exist or not ,has access

* Admin create sheet by google token

page=admin&action=create\_admin\_sheet

Request: google\_accessToken,token

Response:’sheet\_created’

Want- create sheet by google auto token and save in database

* Admin add sheet id manually

page=admin&action=add\_admin\_sheet\_id\_manually

Request: admin\_sheet\_id,token

Response: sheet\_added

Want- check sheet valid and have access then save sheet id

* Admin sheet delete

page=admin&action=delete\_admin\_sheet

Request: token

Response: deleted\_sheet

Want- delete admin sheet id entry from my sheet

* Admin add data

Page=page=admin&action=add\_data\_teacher|student

Request: token,Teacher|Student\_dataRows, []<{

(Teacher\_Name: string; Teacher\_Email: string;) |

( Student\_Name: string; Student\_Roll\_No:string; Student\_Email:string;[key: string]: string;) }>

Response: data\_added<{id:string|false}[]>

Want- add data in google sheet and in response update localstorage ‘Teacher\_Data’|’Student\_Data’

* Admin Edit data

page=admin&action=edit\_data\_student

Request: UpdatedRows: < { id: string, update: { [key: string]: string; } }[]>

DeletedRows: <string[]>

Token

Response: ‘data\_edited’,’Invalid\_Emails<ids/string[]>’

Want- Edit data in sheet

* Admin syncing

page=teacher&action=sync\_student\_data|sync\_teacher\_data

Request: token, all\_store\_ids<string[]>, Last\_sync\_time

Response: Add\_data< [key: string]: DataRow\_Student|DataRow\_Teacher;> ,Delete\_data<string[]|id>

Want:add data in localstorage which receivd from server and delte data from storage by ids

* Student img uploaded status

page=student&action=sync\_student\_img\_status

Request: token

Response: ‘is\_img\_uploaded<boolean>’

Want - get status of student img wheter it uploaded or not on admin sheet

* Student img upload

page=student&action=add\_student\_img

Request: token ,student\_img\_array<number[]>

Response: ‘ Img\_Added’

Want - save student image array in admin sheet in student id row

* Admin – Login status

page=admin&action=get\_login\_status

Request: token

Response: Login\_status<{Teacher: { name: string, is\_login: boolean }[],

Student: {name: string; roll: string; is\_login: boolean }[]}>

Want- get login status of students and teachers

* Admin – Student image status

page=admin&action=get\_student\_img\_status

Request: token

Response: student\_img\_status<{ name: string;roll: string;img\_status: boolean}[]>

Want- get student image upload status

* Student- Student get attendance data

page=student&action=get\_student\_attendance

Request: token

Response: Attendance\_data<{ [key: string]: { [key: string]: number } }>

Want-get attendance student