APIs List:

Login page:

Post user/login(email, password)
Res: token

-Signup page:

Post user/signup(email, pass, meross pass)
Res: token

-Profile page:

Put user/info(username, pass, meross pass, profile pic)
Res: same info

Delete user/delete()
Res: success

Get user/info() #It is used only after login
Res: username, profile, goal

Get user/logout()
Res: success

-Goal setting page:

Get energy/total(start, stop) #for the progress(this & prev month)
Res: month energy

Post goal(energy) #for frontend, convert cost to energy
Res: same info

Get goal()
Res: energy goal

Delete goal()
Res: success

-Homepage:

Get energy/total(start: 0)
Res: this day energy

Get smartPlugs()
Res: list of available, not added appliances - none

Post appliance(name, type)
Res: same info

Get user/appliances()
Res: all registered appliances(id, name, type, connection status, on/off)

Put appliance/switch(id, status)
Res: same info

Get energy/appliance(id, start:0)   #loop for all appliances
Res: this day energy for one appliance

-Appliance ECA page:

Put appliance(id, name)
Res: same info

Delete appliance(id)
Res: success

Get power(id)
Res: power(W)

Get energy/appliance(id, start, stop) #one api for all timeframes
Res: energy based on time interval for one appliance

-Room Management page:

Get rooms()
Res: list of all rooms (id, name)

Post room(name, list of appliance ids)
Res: same info

Get energy/room(id, start:0) #daily
Res: energy for a room

Put room/switch(id, status)
Res: same info

Get room/appliances(room_id)
Res: list of all appliances for this specific room

Delete room/appliance(room_id, appliance_id)
Res: success

Put room/appliance(room_id, applinace_id)
Res: updated info

-Room ECA page:

Put room(id, name)
Res: same info

Delete room/appliance(id)
Res: success

Put room/appliance(id)
Res: same info

Get energy/room(id, start, stop) #one api for all timeframes
Res: energy based on time interval for one room

-Total ECA page:

Get energy/total/appliance(id, start, stop) #one api for all timeframes
Res: list of appliances with their energy

Post registration_token(id, token)
Res: success

Note:

-please write all error responses with their codes
-you can change the naming based on your models and controllers
-all post/put APIs should send the data in the **request body** except id
-all data for get should send as parameters
-you can use queries for energy (pagination)
-email, username in session
-cache: store on post/put