

WiFi access point with ESP32	
FR	NFR
enable the user to reset the name and password of the access point	the connection function will be accomplished within 5 seconds
enable the user to turn on the led through a web page	easy control interface with 2 buttons
enable the user to turn off the led through a web page	the buttons will include icons

move robot arm	
FR	NFR
Design five pieces which are: base, shoulder, elbow, wrist, and gripper	Design a simple external structure to look like a robot arm and cover all the pieces and wires under the cover
Connect the pieces to each other by the joint	Print the exoskeleton with a lightweight material that the servomotor piece can lift
test the arm movement in different angles in the simulator	Paint the arm with white color
Design external structure to covering the arm	The design of the robotic arm in the simplest form possible to facilitate the joining of parts

convert audio into text	
FR	NFR
build a web page to convert audio into a text	the web page UI will be simple and easy to use
enable the microphone to access the web page	the buttons will include icons to make it easier for the user
enable the function for the user by clicking a button	the mic connection function will be accomplished within 5 seconds
print the text in a text box	the conversion function will be accomplished within 5 seconds after
Enable the user to choose between Arabic and English language to be converted to text	